

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012021\
 Data File : VN065561.D
 Acq On : 20 Jan 2021 10:48
 Operator : JC/MD
 Sample : VN0120WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120WBL01

Quant Time: Jan 21 01:20:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 14 04:12:08 2021
 Response via : Initial Calibration

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

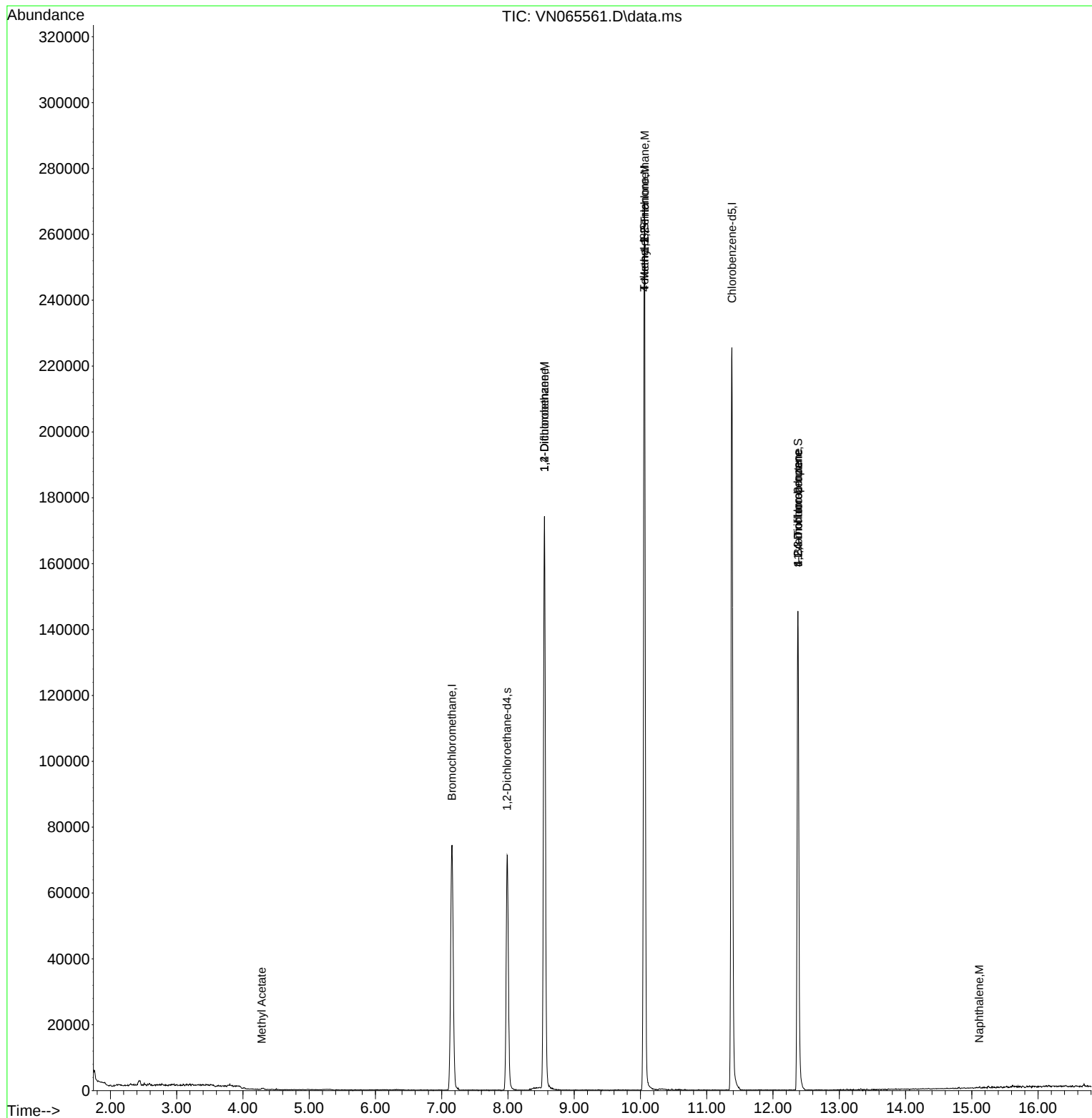
Internal Standards						
1) Bromochloromethane	7.155	128	34474	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	172403	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.379	117	151365	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	61346	28.48	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.93%
60) 4-Bromofluorobenzene	12.376	95	54809	23.91	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.70%
63) Toluene-d8	10.058	98	200863	30.32	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.07%
Target Compounds						
					Qvalue	
12) Methyl Acetate	4.283	43	389	0.21	ug/l #	50
36) 1,2-Dichloroethane	8.550	62	4425	1.78	ug/l #	74
50) 1,1,2-Trichloroethane	10.064	97	6952	3.62	ug/l #	1
58) 4-Methyl-2-Pentanone	10.061	43	618	0.31	ug/l #	1
72) 1,2,3-Trichloropropane	12.376	75	25438	11.04	ug/l	1
77) t-1,4-Dichloro-2-butene	12.376	75	25438	31.40	ug/l #	14
91) Naphthalene	15.112	128	250	9.11	ug/l #	70

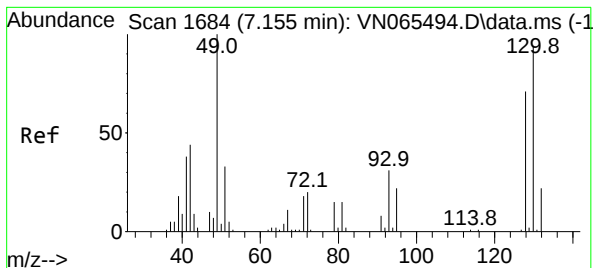
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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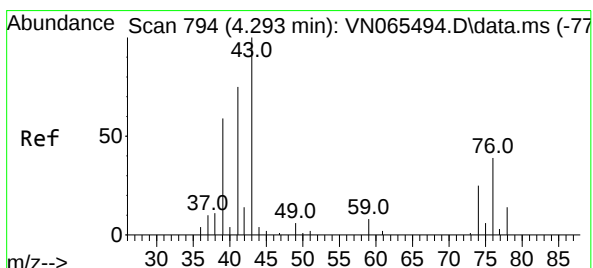
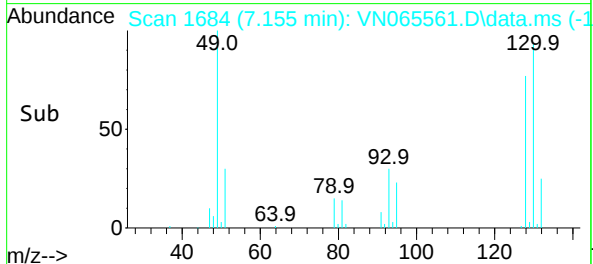
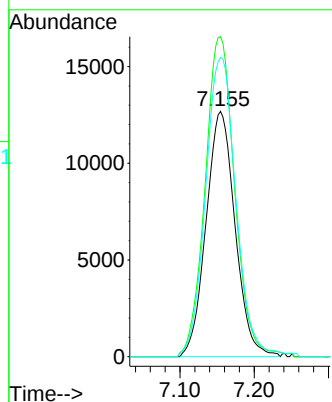
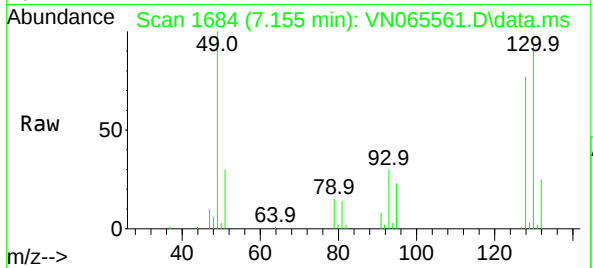




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.155 min Scan# 1684
Delta R.T. -0.000 min
Lab File: VN065561.D
Acq: 20 Jan 2021 10:48

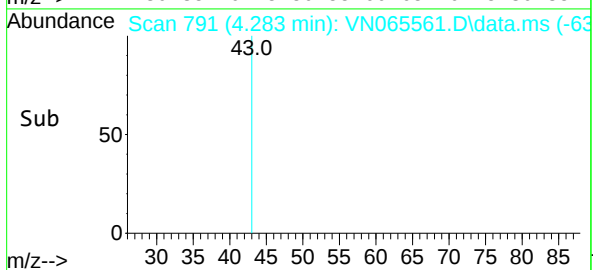
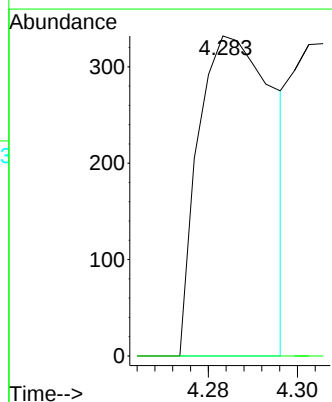
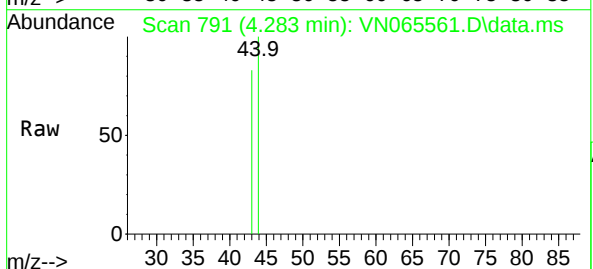
Instrument :
MSVOA_N
ClientSampleId :
VN0120WBL01

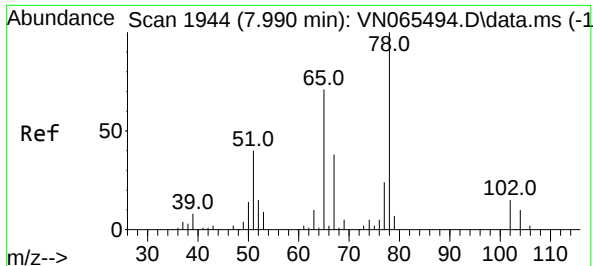
Tgt Ion:128 Resp: 34474
Ion Ratio Lower Upper
128 100
49 133.0 0.0 355.0
130 126.9 0.0 325.5



#12
Methyl Acetate
Concen: 0.21 ug/l
RT: 4.283 min Scan# 791
Delta R.T. -0.010 min
Lab File: VN065561.D
Acq: 20 Jan 2021 10:48

Tgt Ion: 43 Resp: 389
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#





#27

1,2-Dichloroethane-d4

Concen: 28.48 ug/l

RT: 7.987 min Scan# 1943

Delta R.T. -0.003 min

Lab File: VN065561.D

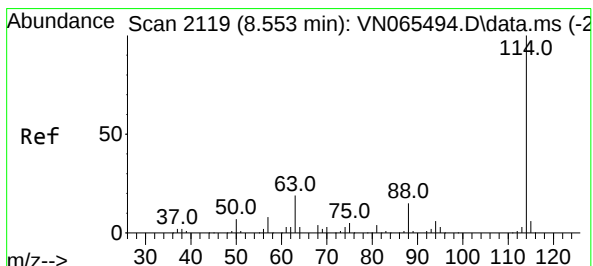
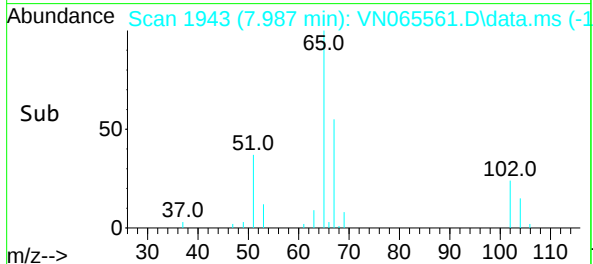
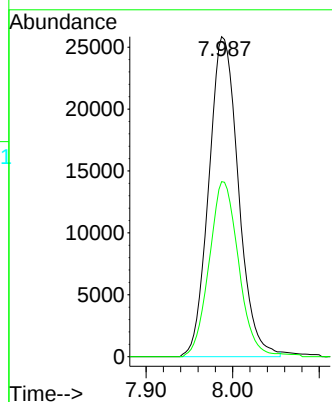
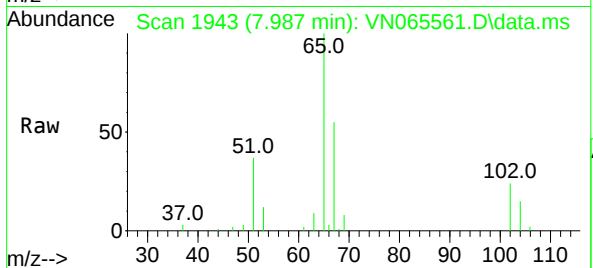
Acq: 20 Jan 2021 10:48

Tgt Ion: 65 Resp: 61346

Ion Ratio Lower Upper

65 100

67 54.2 42.8 64.2



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.550 min Scan# 2118

Delta R.T. -0.003 min

Lab File: VN065561.D

Acq: 20 Jan 2021 10:48

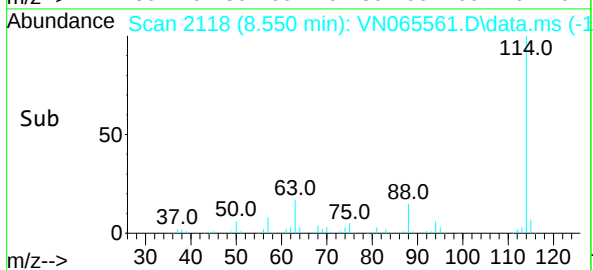
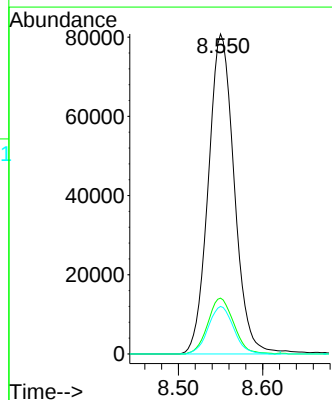
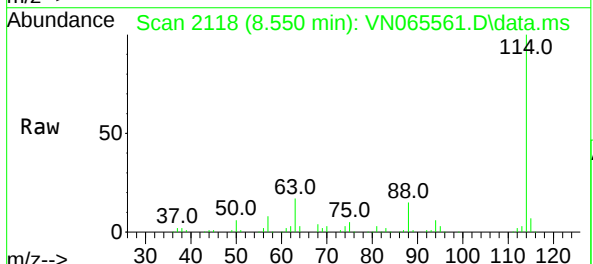
Tgt Ion: 114 Resp: 172403

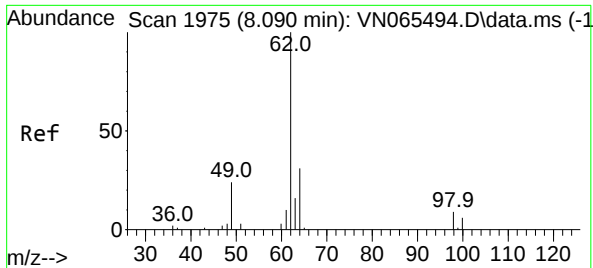
Ion Ratio Lower Upper

114 100

63 17.5 14.7 22.1

88 14.6 11.7 17.5

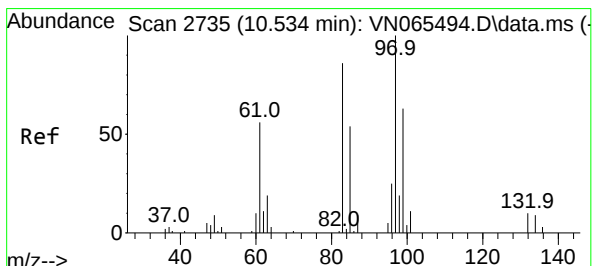
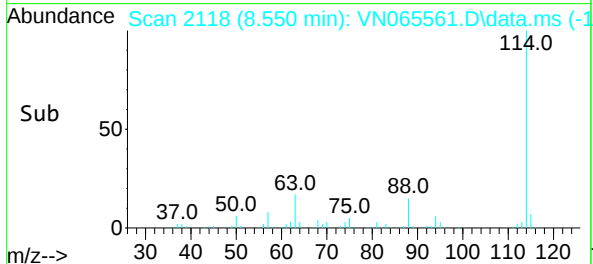
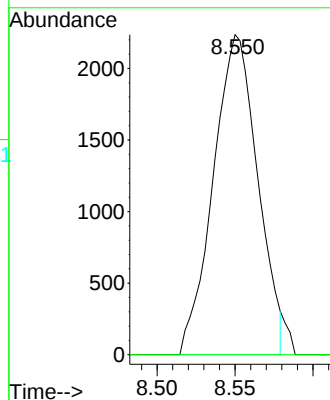
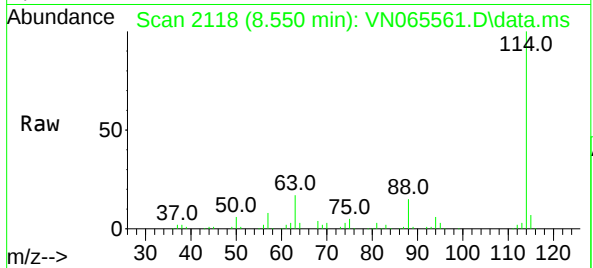




#36
1,2-Dichloroethane
Concen: 1.78 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.460 min
Lab File: VN065561.D
Acq: 20 Jan 2021 10:48

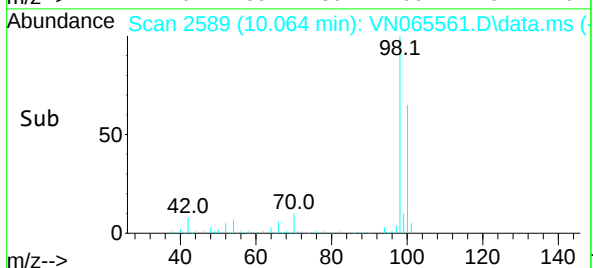
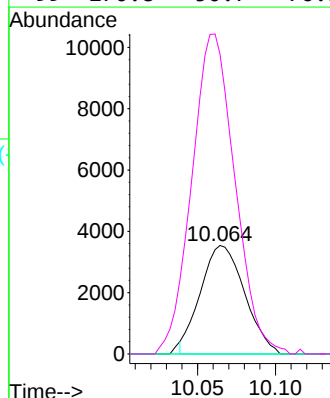
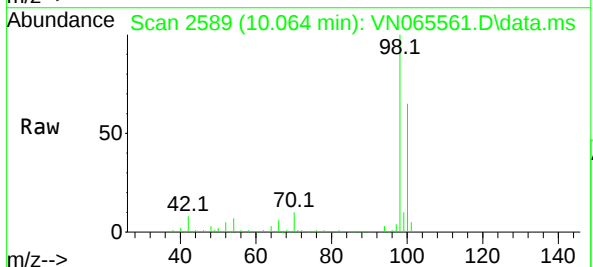
Instrument :
MSVOA_N
ClientSampleId :
VN0120WBL01

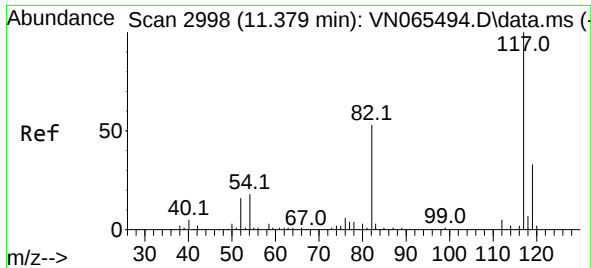
Tgt Ion: 62 Resp: 4425
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#



#50
1,1,2-Trichloroethane
Concen: 3.62 ug/l
RT: 10.064 min Scan# 2589
Delta R.T. -0.469 min
Lab File: VN065561.D
Acq: 20 Jan 2021 10:48

Tgt Ion: 97 Resp: 6952
Ion Ratio Lower Upper
97 100
83 0.0 68.4 102.6#
85 0.0 42.8 64.2#
99 270.8 50.7 76.1#

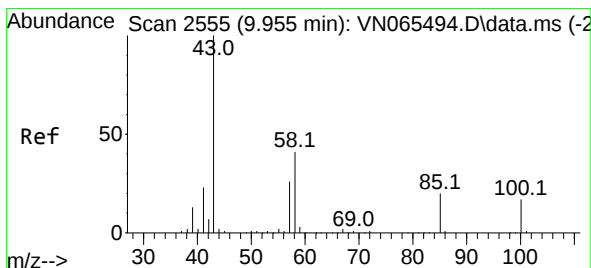
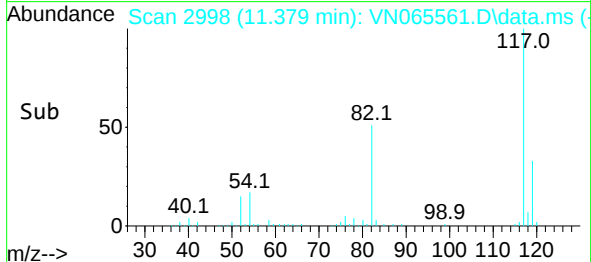
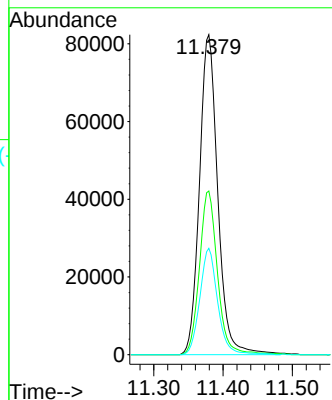
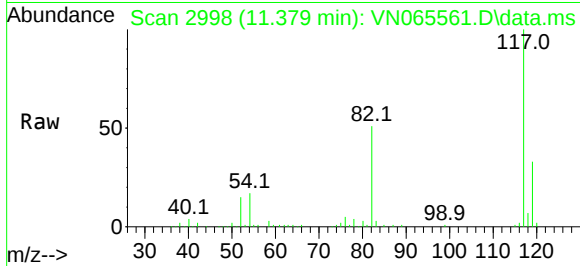




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. 0.000 min
Lab File: VN065561.D
Acq: 20 Jan 2021 10:48

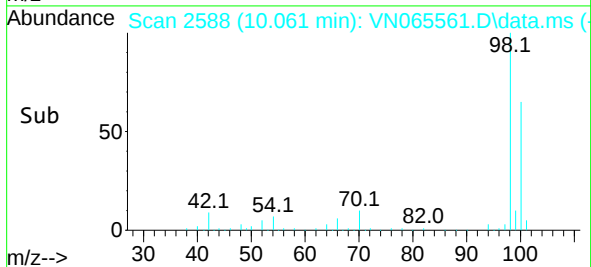
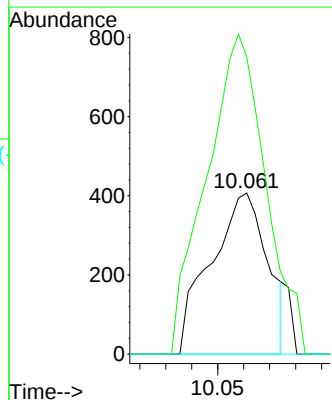
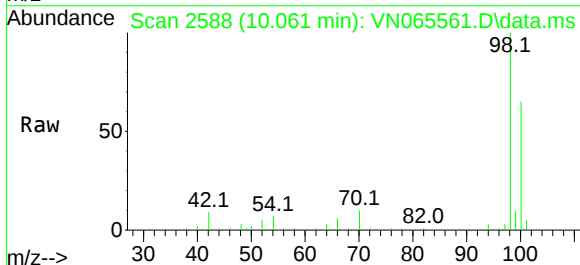
Instrument :
MSVOA_N
ClientSampleId :
VN0120WBL01

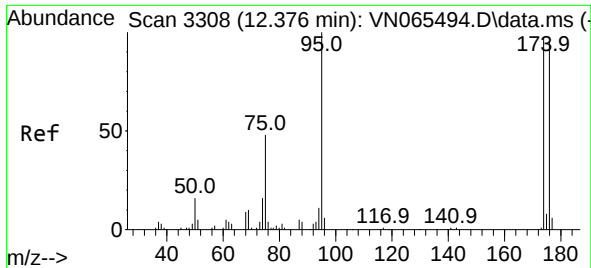
Tgt Ion:117 Resp: 151365
Ion Ratio Lower Upper
117 100
82 50.6 41.3 61.9
119 32.1 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 0.31 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.106 min
Lab File: VN065561.D
Acq: 20 Jan 2021 10:48

Tgt Ion: 43 Resp: 618
Ion Ratio Lower Upper
43 100
58 207.8 32.7 49.1#
85 0.0 16.0 24.0#

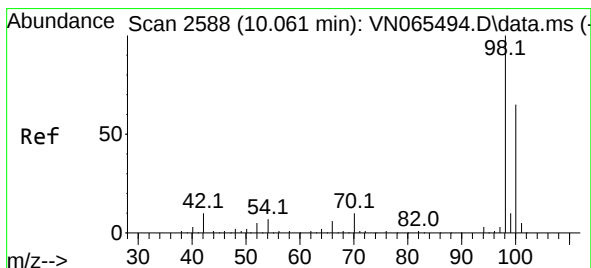
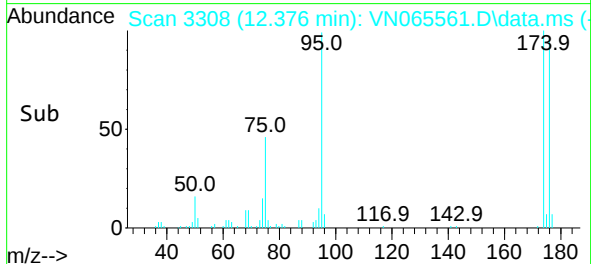
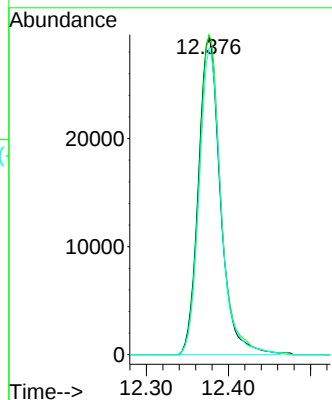
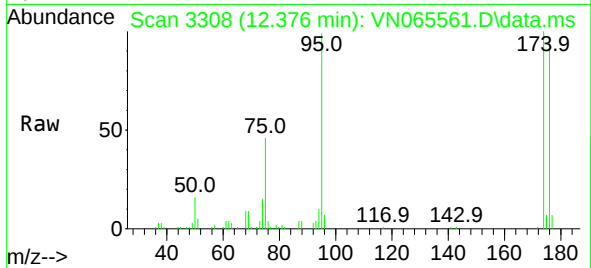




#60
4-Bromofluorobenzene
Concen: 23.91 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065561.D
Acq: 20 Jan 2021 10:48

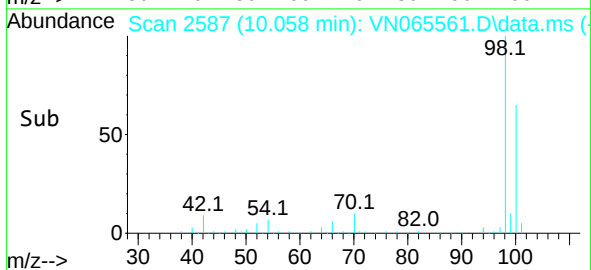
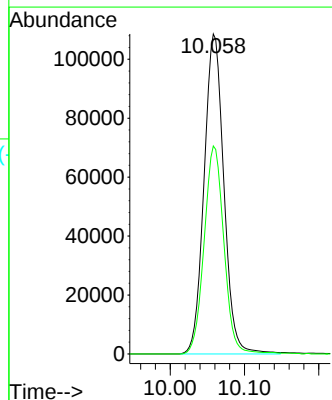
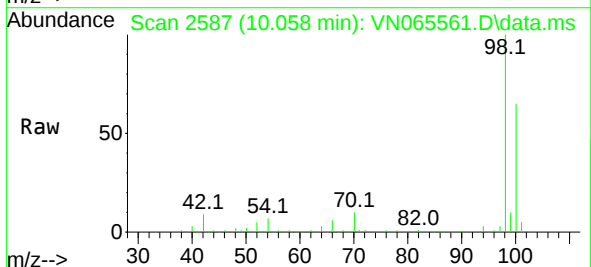
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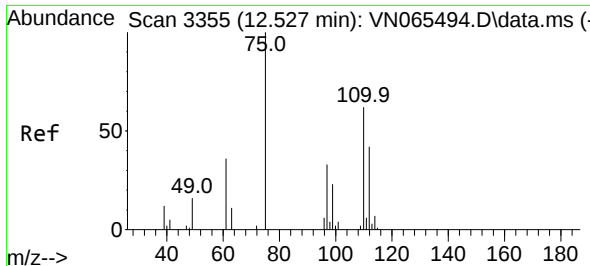
Tgt Ion: 95 Resp: 54809
Ion Ratio Lower Upper
95 100
174 101.2 77.0 115.6
176 95.6 75.8 113.6



#63
Toluene-d8
Concen: 30.32 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.003 min
Lab File: VN065561.D
Acq: 20 Jan 2021 10:48

Tgt Ion: 98 Resp: 200863
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

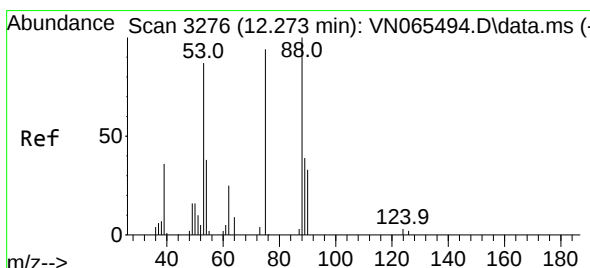
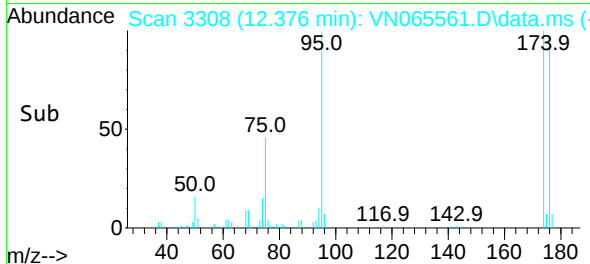
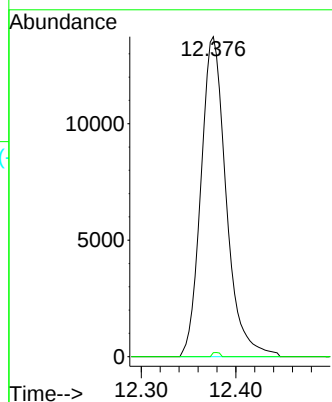
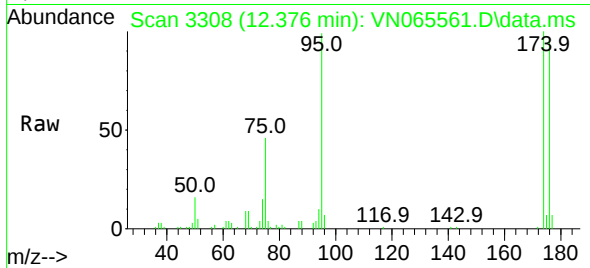




#72
1,2,3-Trichloropropane
Concen: 11.04 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065561.D
Acq: 20 Jan 2021 10:48

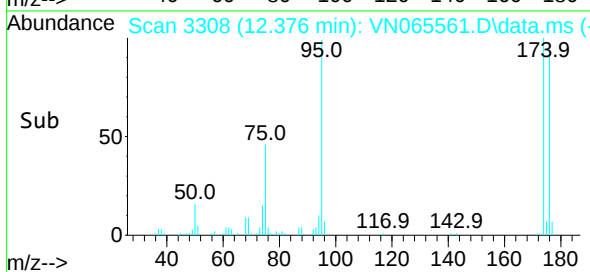
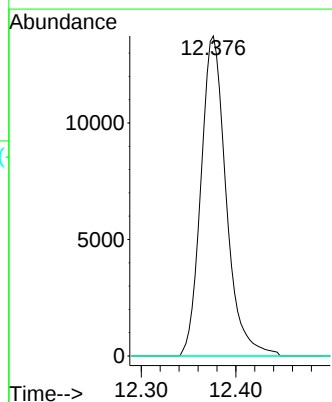
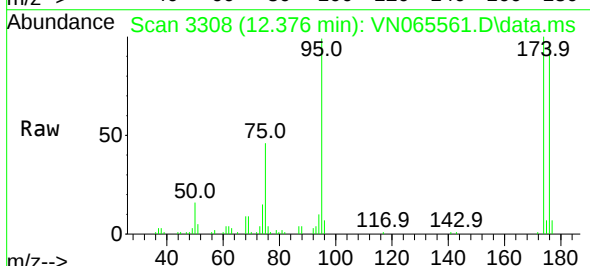
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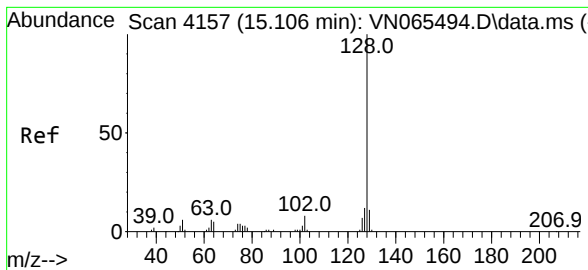
Tgt Ion: 75 Resp: 25438
Ion Ratio Lower Upper
75 100
77 0.4 0.0 366.4



#77
t-1,4-Dichloro-2-butene
Concen: 31.40 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065561.D
Acq: 20 Jan 2021 10:48

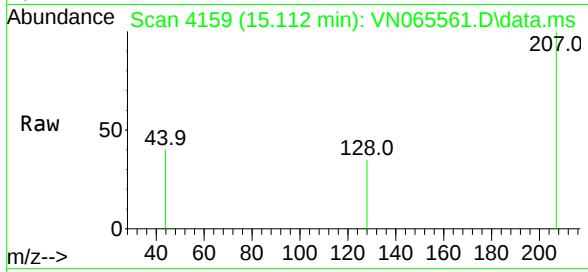
Tgt Ion: 75 Resp: 25438
Ion Ratio Lower Upper
75 100
53 0.0 44.9 134.5#
89 0.0 21.3 64.0#





#91
Naphthalene
Concen: 9.11 ug/l
RT: 15.112 min Scan# 4159
Delta R.T. 0.006 min
Lab File: VN065561.D
Acq: 20 Jan 2021 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0120WBL01



Tgt Ion:128 Resp: 250
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 0.0 8.6 12.8#

