

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100521\
 Data File : VN068804.D
 Acq On : 5 Oct 2021 15:13
 Operator : JC/MD
 Sample : M4054-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-034-IDWGW-20211001

Quant Time: Oct 05 15:53:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 29 08:56:32 2021
 Response via : Initial Calibration

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

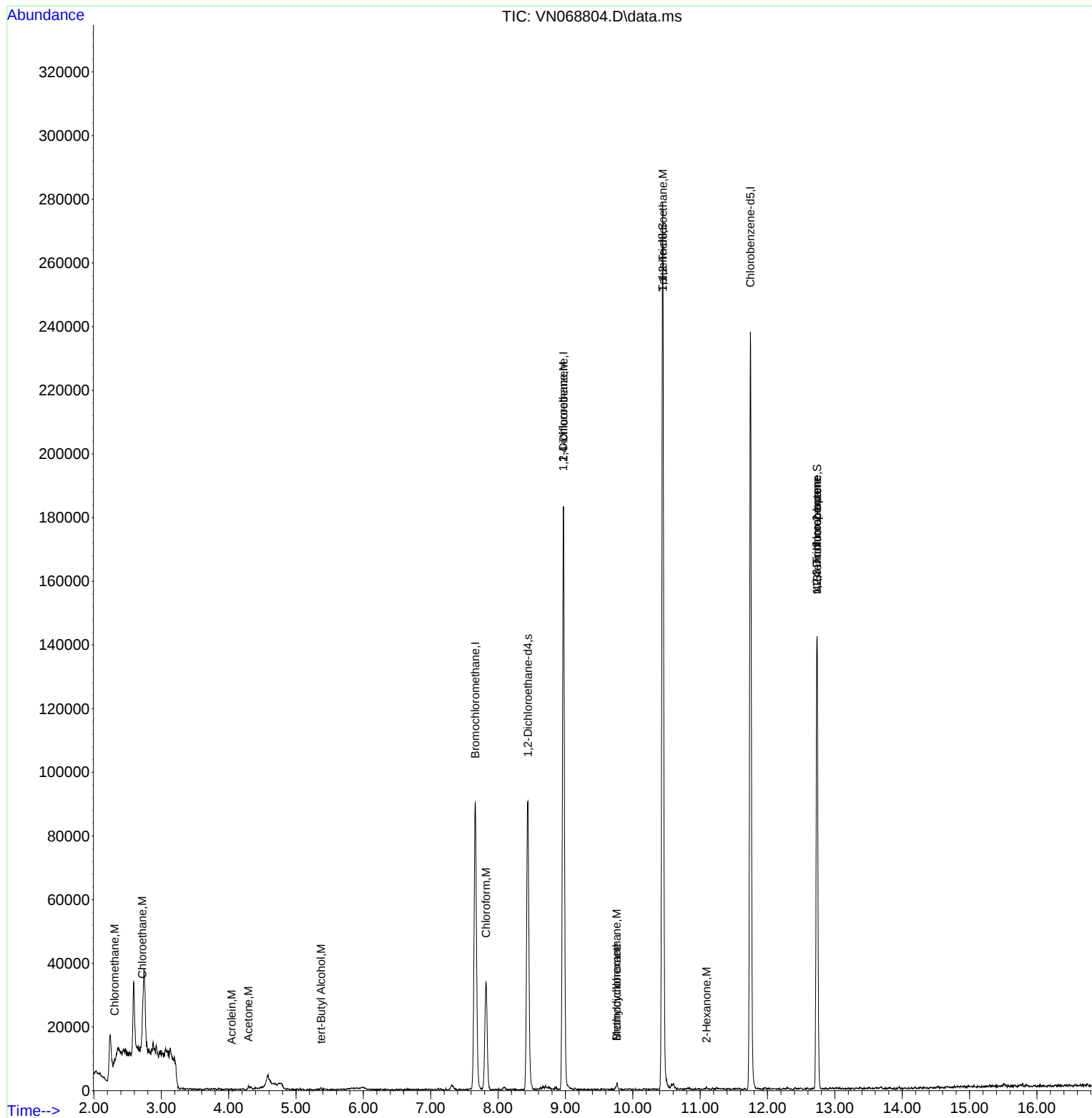
Internal Standards						
1) Bromochloromethane	7.662	128	31636	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	154007	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	136454	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.442	65	76421	31.339	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.467%
60) 4-Bromofluorobenzene	12.736	95	44950	21.087	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	70.300%
63) Toluene-d8	10.443	98	192675	31.239	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.133%
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	1382	0.770	ug/l	91
6) Chloroethane	2.716	64	724	0.254	ug/l	91
13) Acrolein	4.044	56	60	0.530	ug/l #	14
15) Acetone	4.293	58	86	0.359	ug/l #	1
23) tert-Butyl Alcohol	5.371	59	171	0.533	ug/l #	100
25) Chloroform	7.820	83	30667	7.774	ug/l	100
36) 1,2-Dichloroethane	8.968	62	6101	2.246	ug/l #	77
38) Methylcyclohexane	9.759	83	849	0.280	ug/l #	21
41) Bromodichloromethane	9.759	83	849	0.305	ug/l #	93
50) 1,1,2-Trichloroethane	10.446	97	8374	4.257	ug/l #	1
59) 2-Hexanone	11.095	43	489	0.291	ug/l #	45
72) 1,2,3-Trichloropropane	12.733	75	27048	12.787	ug/l	1
77) t-1,4-Dichloro-2-butene	12.733	75	27048	32.782	ug/l #	8

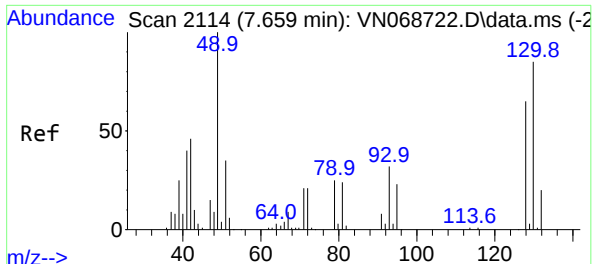
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100521\
Data File : VN068804.D
Acq On : 5 Oct 2021 15:13
Operator : JC/MD
Sample : M4054-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-034-IDWGW-20211001

Quant Time: Oct 05 15:53:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 29 08:56:32 2021
Response via : Initial Calibration

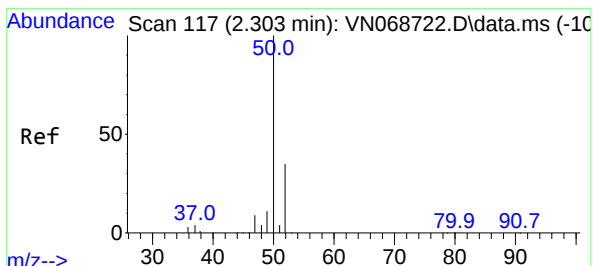
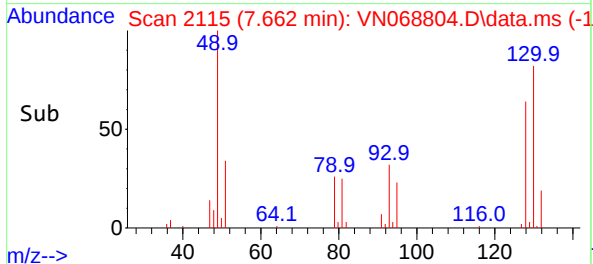
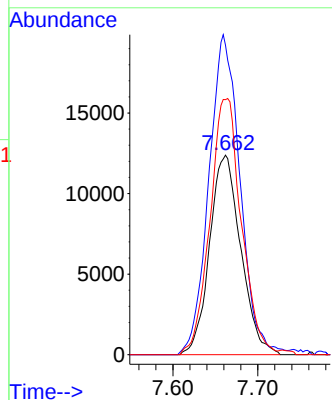
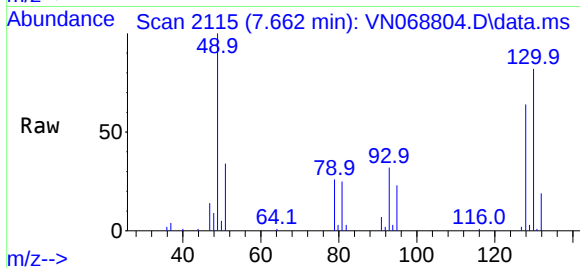




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

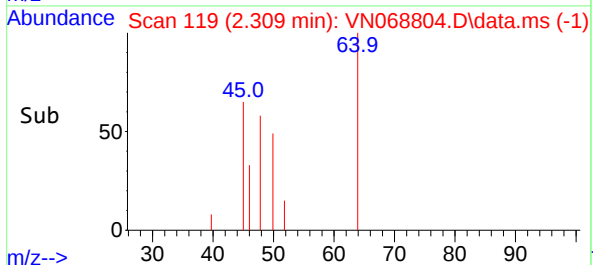
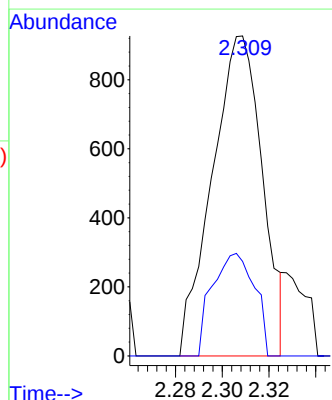
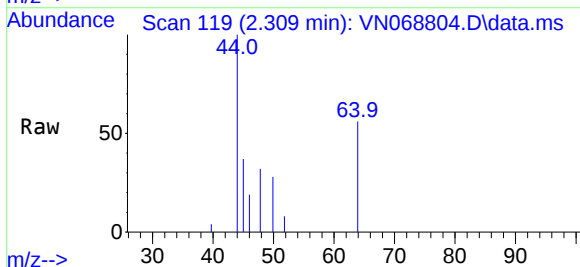
Instrument :
MSVOA_N
ClientSampleId :
TT-034-IDWGW-20211001

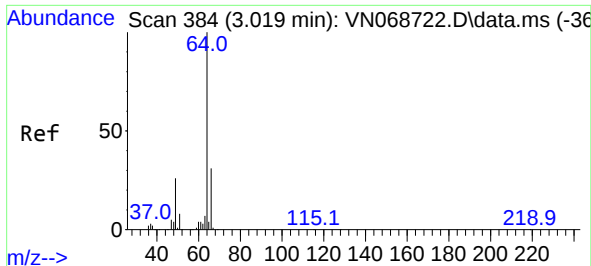
Tgt Ion:128 Resp: 31636
Ion Ratio Lower Upper
128 100
49 158.9 0.0 392.3
130 129.2 0.0 320.2



#3
Chloromethane
Concen: 0.770 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

Tgt Ion: 50 Resp: 1382
Ion Ratio Lower Upper
50 100
52 29.6 27.8 41.6

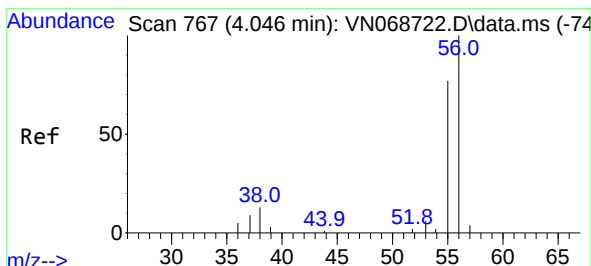
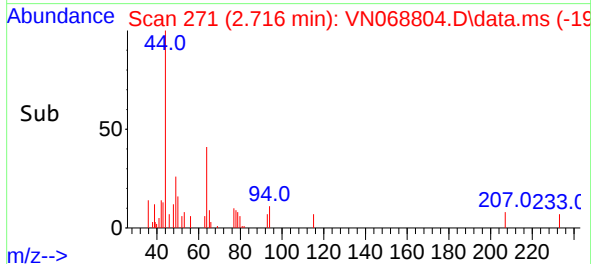
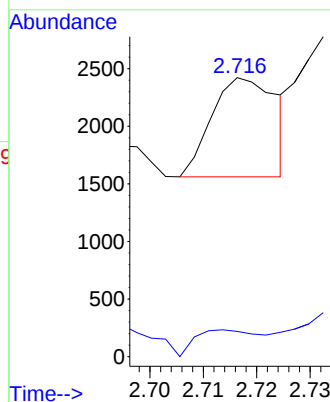
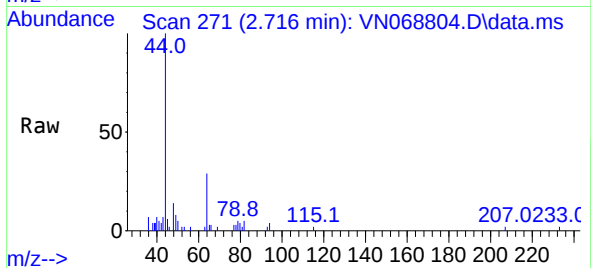




#6
Chloroethane
Concen: 0.254 ug/l
RT: 2.716 min Scan# 271
Delta R.T. -0.303 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

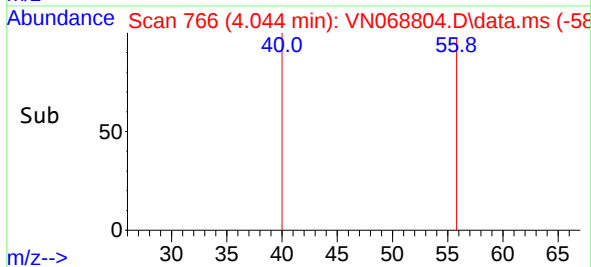
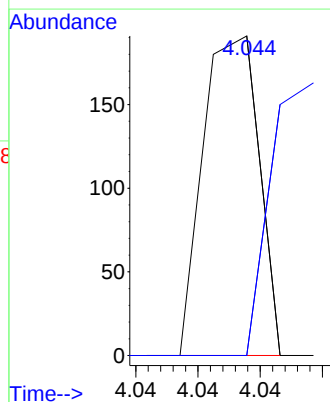
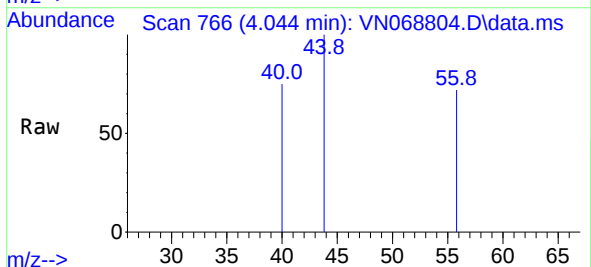
Instrument :
MSVOA_N
ClientSampleId :
TT-034-IDWGW-20211001

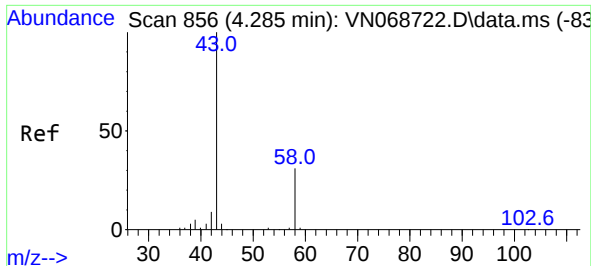
Tgt Ion: 64 Resp: 724
Ion Ratio Lower Upper
64 100
66 25.6 24.6 36.8



#13
Acrolein
Concen: 0.530 ug/l
RT: 4.044 min Scan# 766
Delta R.T. -0.002 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#

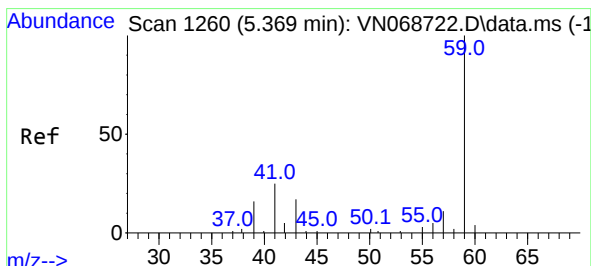
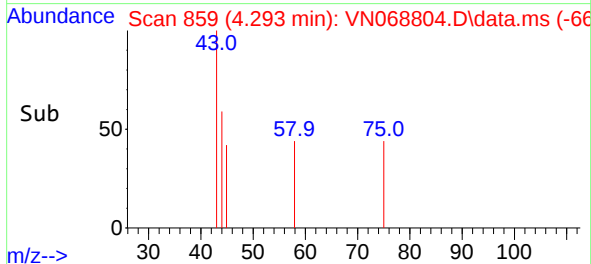
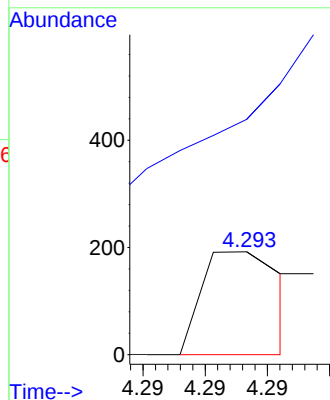
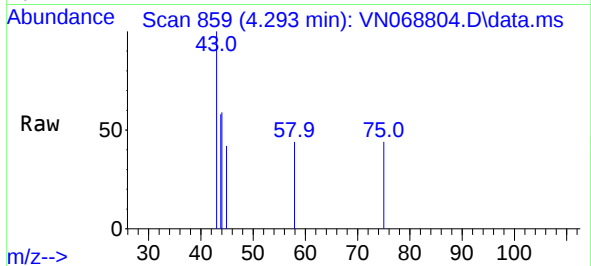




#15
Acetone
Concen: 0.359 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

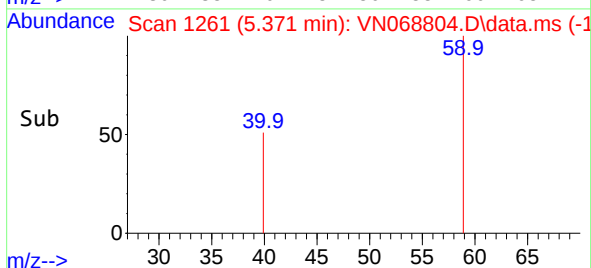
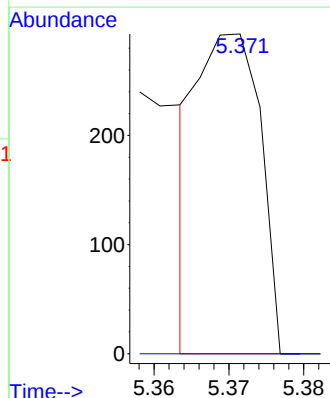
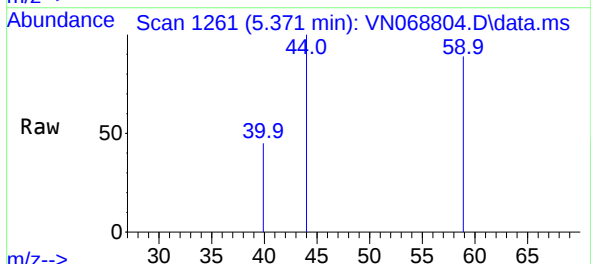
Instrument :
MSVOA_N
ClientSampleId :
TT-034-IDWGW-20211001

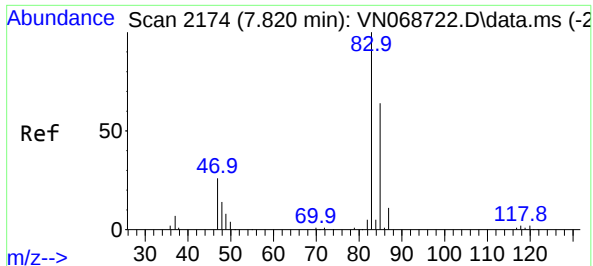
Tgt Ion: 58 Resp: 86
Ion Ratio Lower Upper
58 100
43 30.2 256.6 384.8#



#23
tert-Butyl Alcohol
Concen: 0.533 ug/l
RT: 5.371 min Scan# 1261
Delta R.T. 0.002 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

Tgt Ion: 59 Resp: 171
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

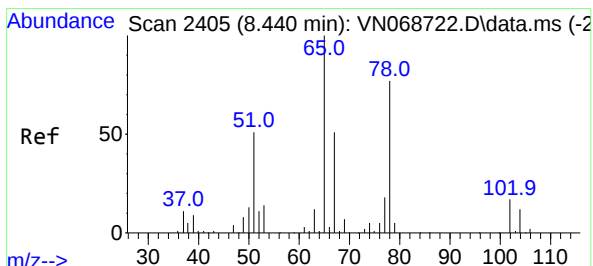
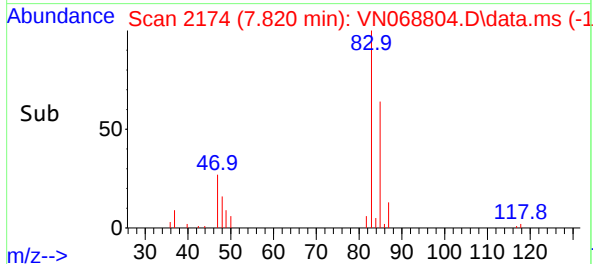
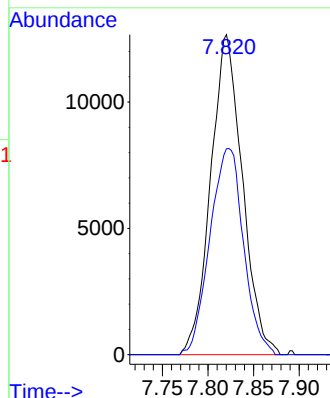
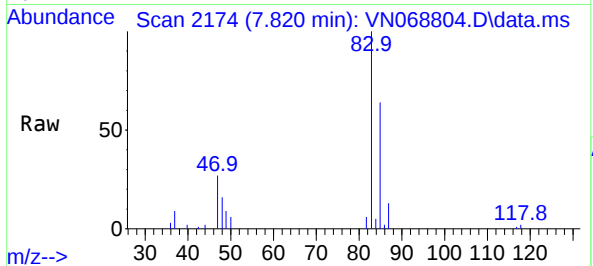




#25
Chloroform
Concen: 7.774 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

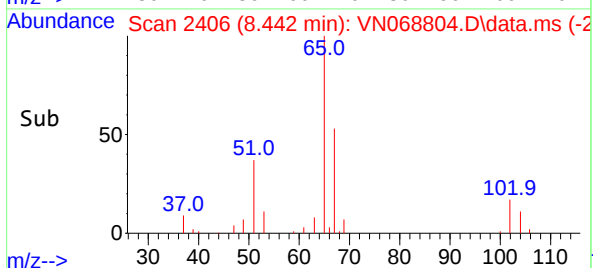
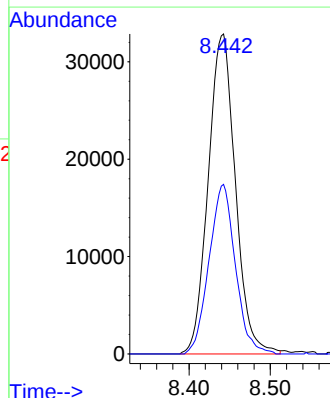
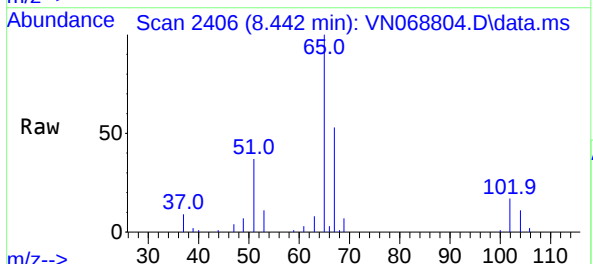
Instrument :
MSVOA_N
ClientSampleId :
TT-034-IDWGW-20211001

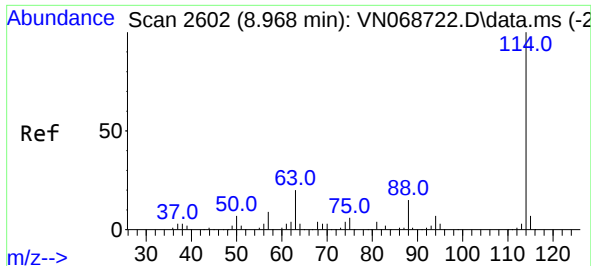
Tgt Ion: 83 Resp: 30667
Ion Ratio Lower Upper
83 100
85 64.3 51.3 76.9



#27
1,2-Dichloroethane-d4
Concen: 31.339 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

Tgt Ion: 65 Resp: 76421
Ion Ratio Lower Upper
65 100
67 51.3 40.2 60.2



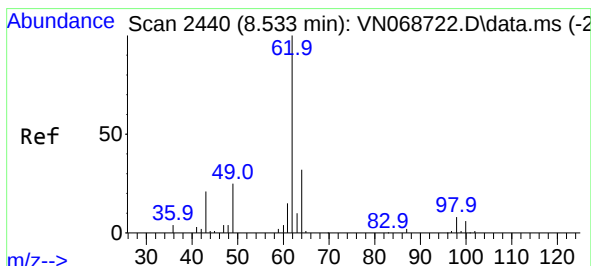
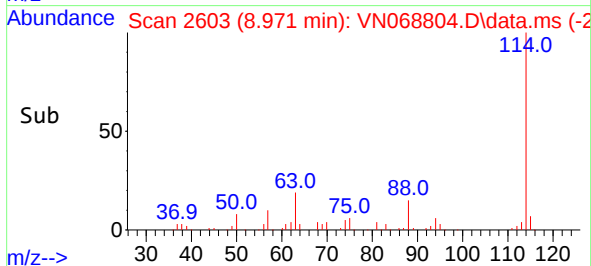
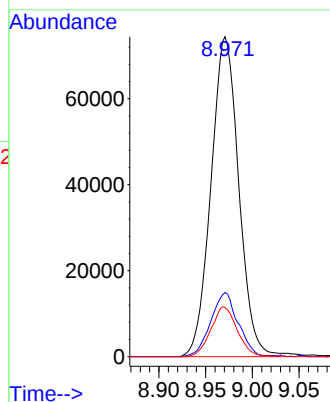
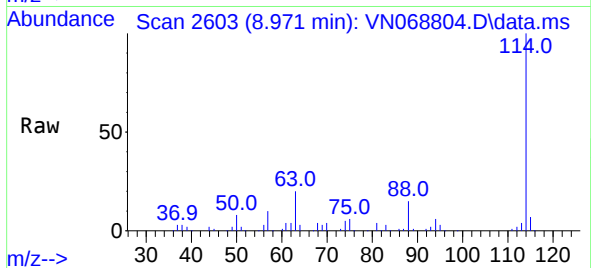


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :
TT-034-IDWGW-20211001

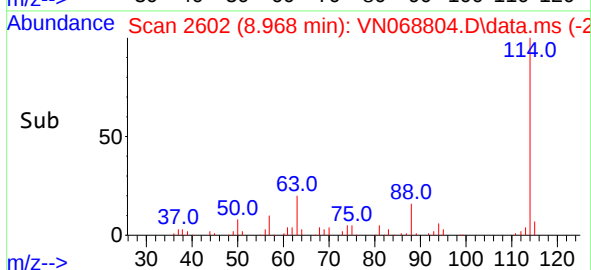
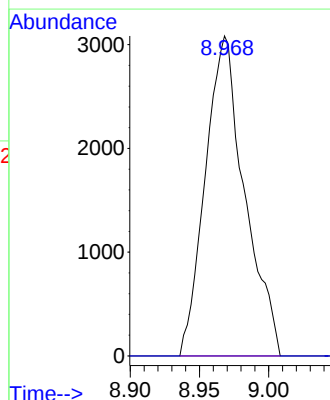
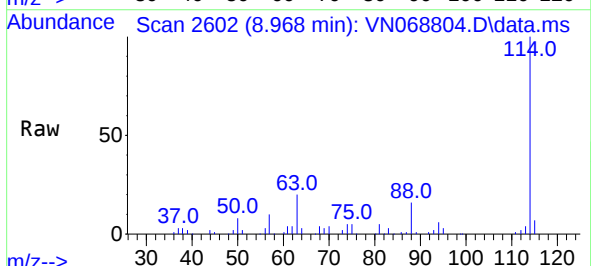
Tgt Ion:114 Resp: 154007
Ion Ratio Lower Upper
114 100
63 19.6 15.8 23.6
88 14.8 11.6 17.4

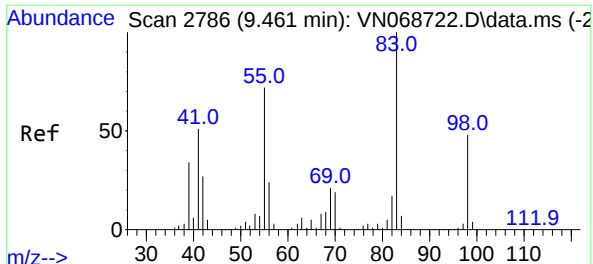


#36

1,2-Dichloroethane
Concen: 2.246 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.435 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

Tgt Ion: 62 Resp: 6101
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#38

Methylcyclohexane

Concen: 0.280 ug/l

RT: 9.759 min Scan# 2897

Delta R.T. 0.298 min

Lab File: VN068804.D

Acq: 5 Oct 2021 15:13

Instrument :

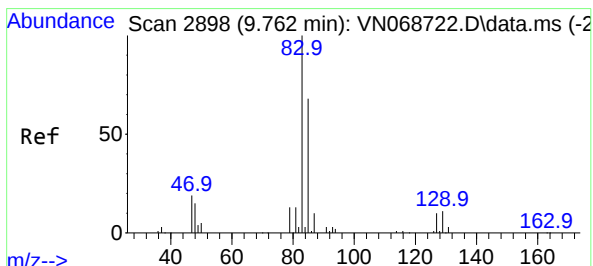
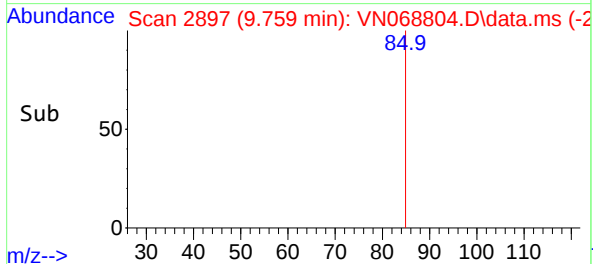
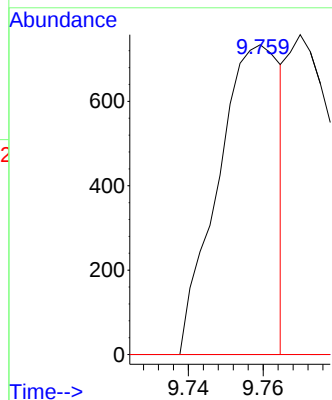
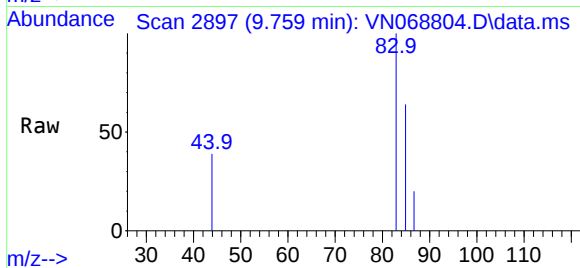
MSVOA_N

ClientSampleId :

TT-034-IDW/GW-20211001

Tgt Ion: 83 Resp: 849

Ion	Ratio	Lower	Upper
83	100		
55	0.0	35.1	105.3#
98	0.0	23.4	70.2#



#41

Bromodichloromethane

Concen: 0.305 ug/l

RT: 9.759 min Scan# 2897

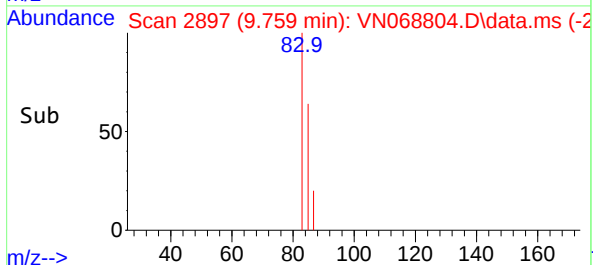
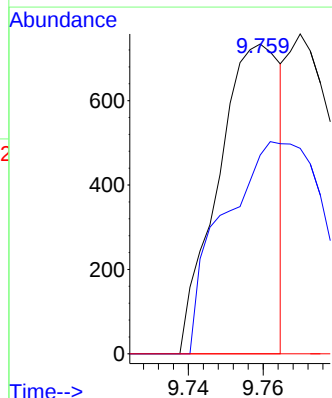
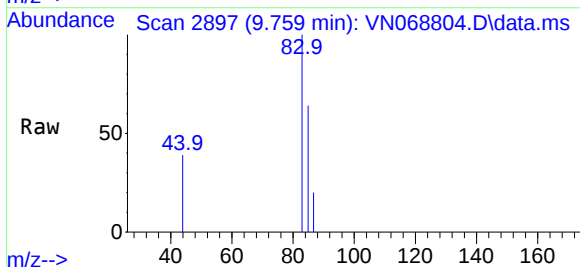
Delta R.T. -0.003 min

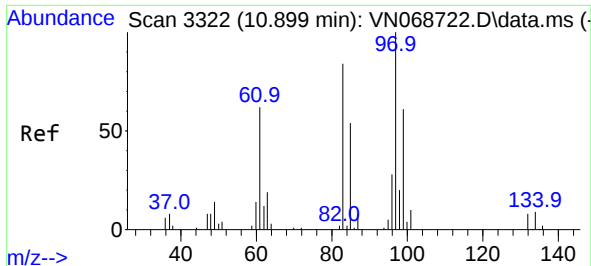
Lab File: VN068804.D

Acq: 5 Oct 2021 15:13

Tgt Ion: 83 Resp: 849

Ion	Ratio	Lower	Upper
83	100		
85	64.2	54.1	81.1
127	0.0	7.6	11.4#

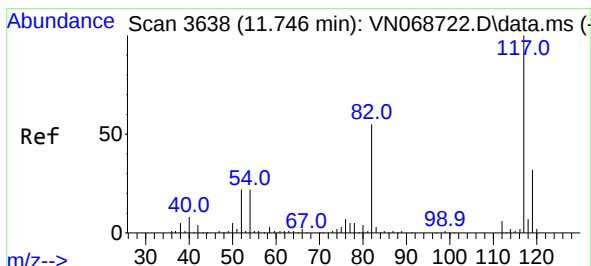
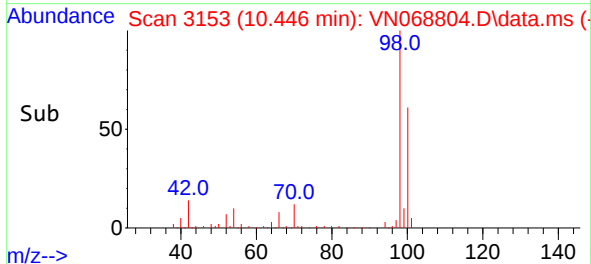
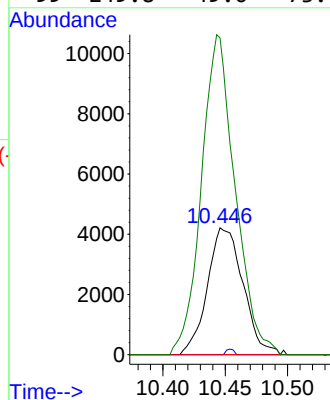
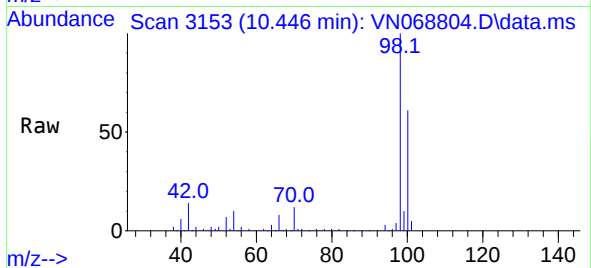




#50
1,1,2-Trichloroethane
Concen: 4.257 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.453 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

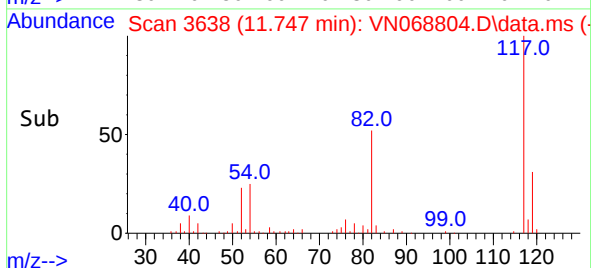
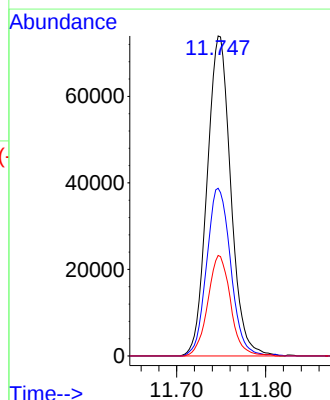
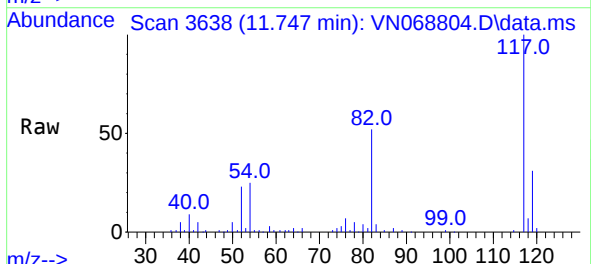
Instrument :
MSVOA_N
ClientSampleId :
TT-034-IDWGW-20211001

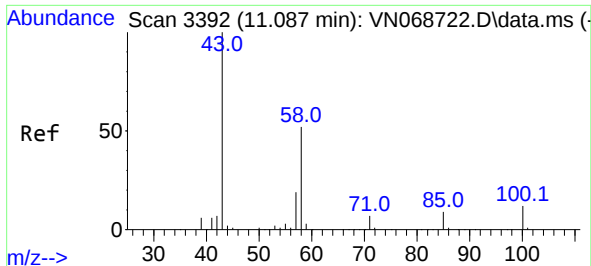
Tgt Ion: 97 Resp: 8374
Ion Ratio Lower Upper
97 100
83 0.0 67.2 100.8#
85 0.0 43.0 64.4#
99 249.8 49.0 73.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

Tgt Ion: 117 Resp: 136454
Ion Ratio Lower Upper
117 100
82 53.3 43.6 65.4
119 30.2 25.8 38.6

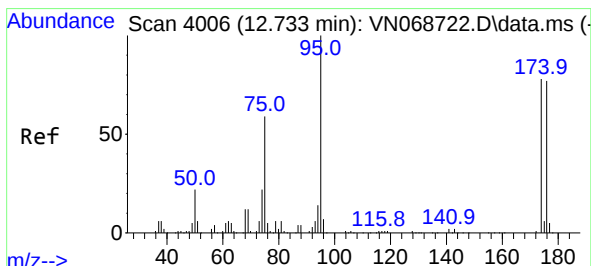
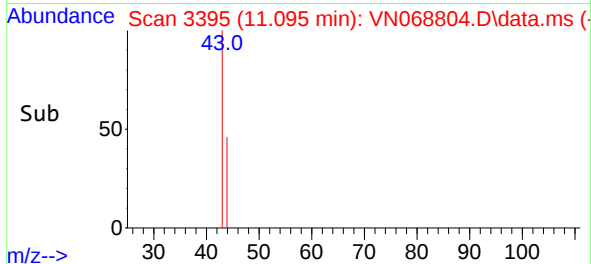
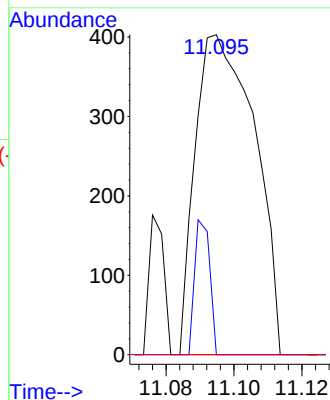
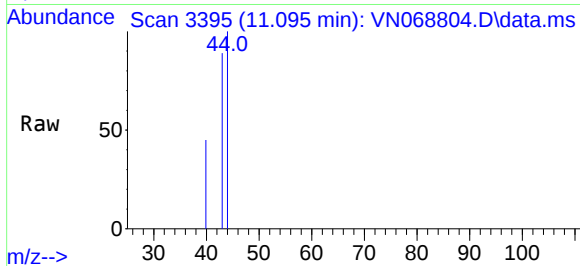




#59
2-Hexanone
Concen: 0.291 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

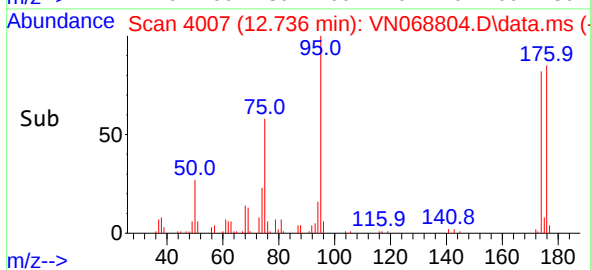
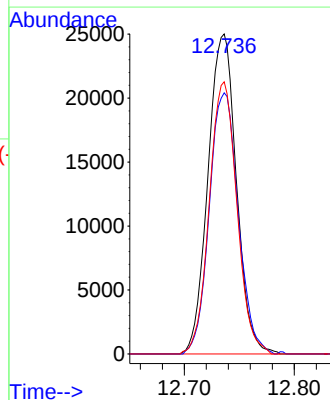
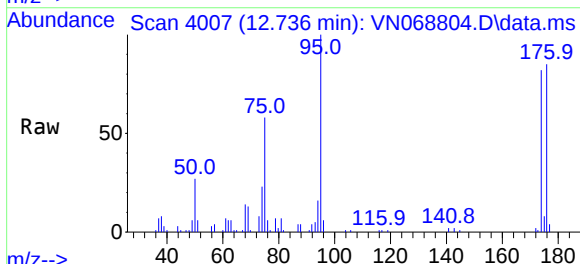
Instrument :
MSVOA_N
ClientSampleId :
TT-034-IDWGW-20211001

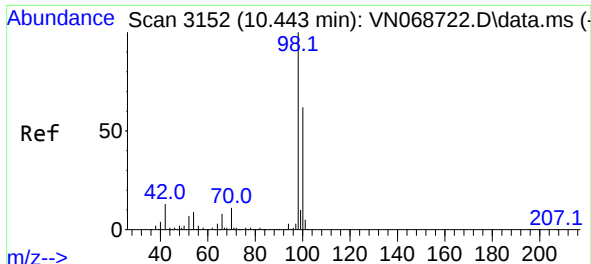
Tgt Ion: 43 Resp: 489
Ion Ratio Lower Upper
43 100
58 10.6 42.2 63.2#
57 0.0 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 21.087 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

Tgt Ion: 95 Resp: 44950
Ion Ratio Lower Upper
95 100
174 82.9 62.9 94.3
176 82.7 61.0 91.4

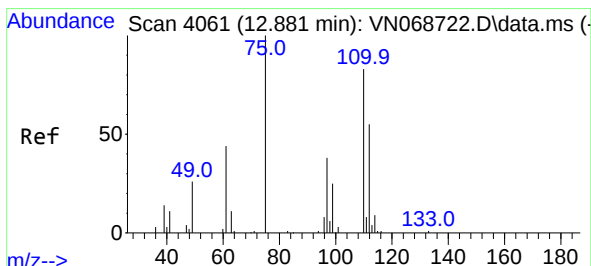
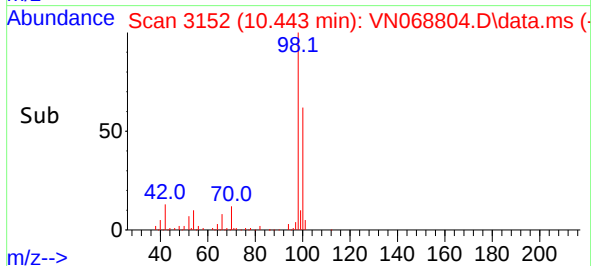
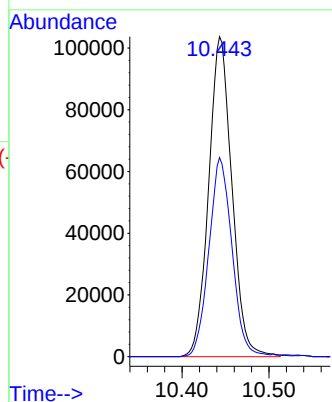
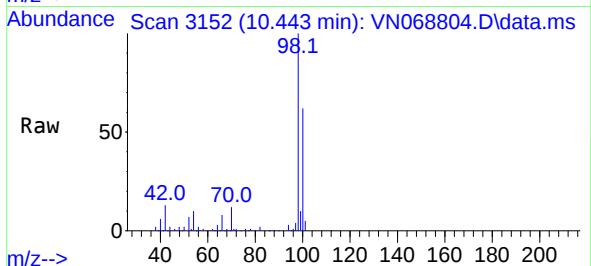




#63
Toluene-d8
Concen: 31.239 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

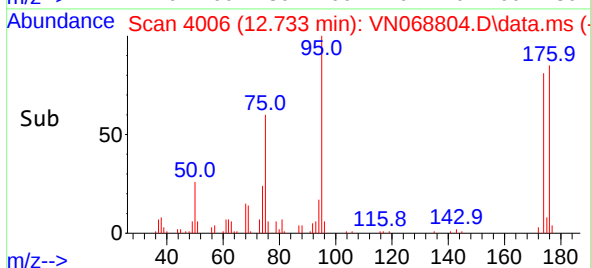
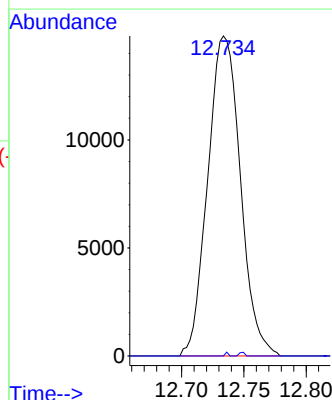
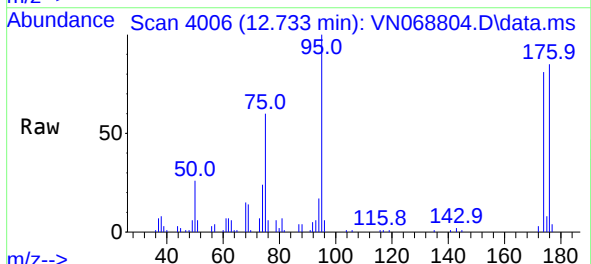
Instrument :
MSVOA_N
ClientSampleId :
TT-034-IDWGW-20211001

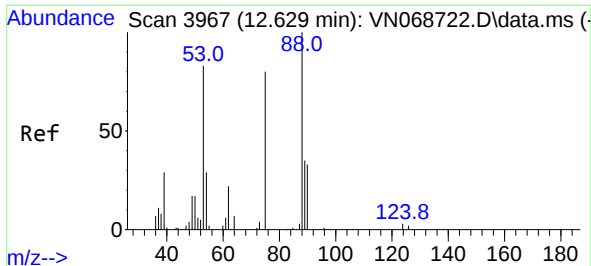
Tgt Ion: 98 Resp: 192675
Ion Ratio Lower Upper
98 100
100 61.8 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 12.787 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068804.D
Acq: 5 Oct 2021 15:13

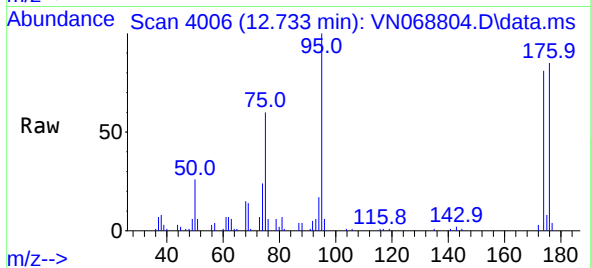
Tgt Ion: 75 Resp: 27048
Ion Ratio Lower Upper
75 100
77 0.2 0.0 378.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 32.782 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.104 min
 Lab File: VN068804.D
 Acq: 5 Oct 2021 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-034-IDWGW-20211001



Tgt Ion: 75 Resp: 27048

Ion	Ratio	Lower	Upper
75	100		
53	0.0	51.8	155.5#
89	0.0	22.9	68.7#

