

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100521\
 Data File : VN068803.D
 Acq On : 5 Oct 2021 14:47
 Operator : JC/MD
 Sample : M4054-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-033-IDWGW-20211001

Quant Time: Oct 05 15:53:32 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)

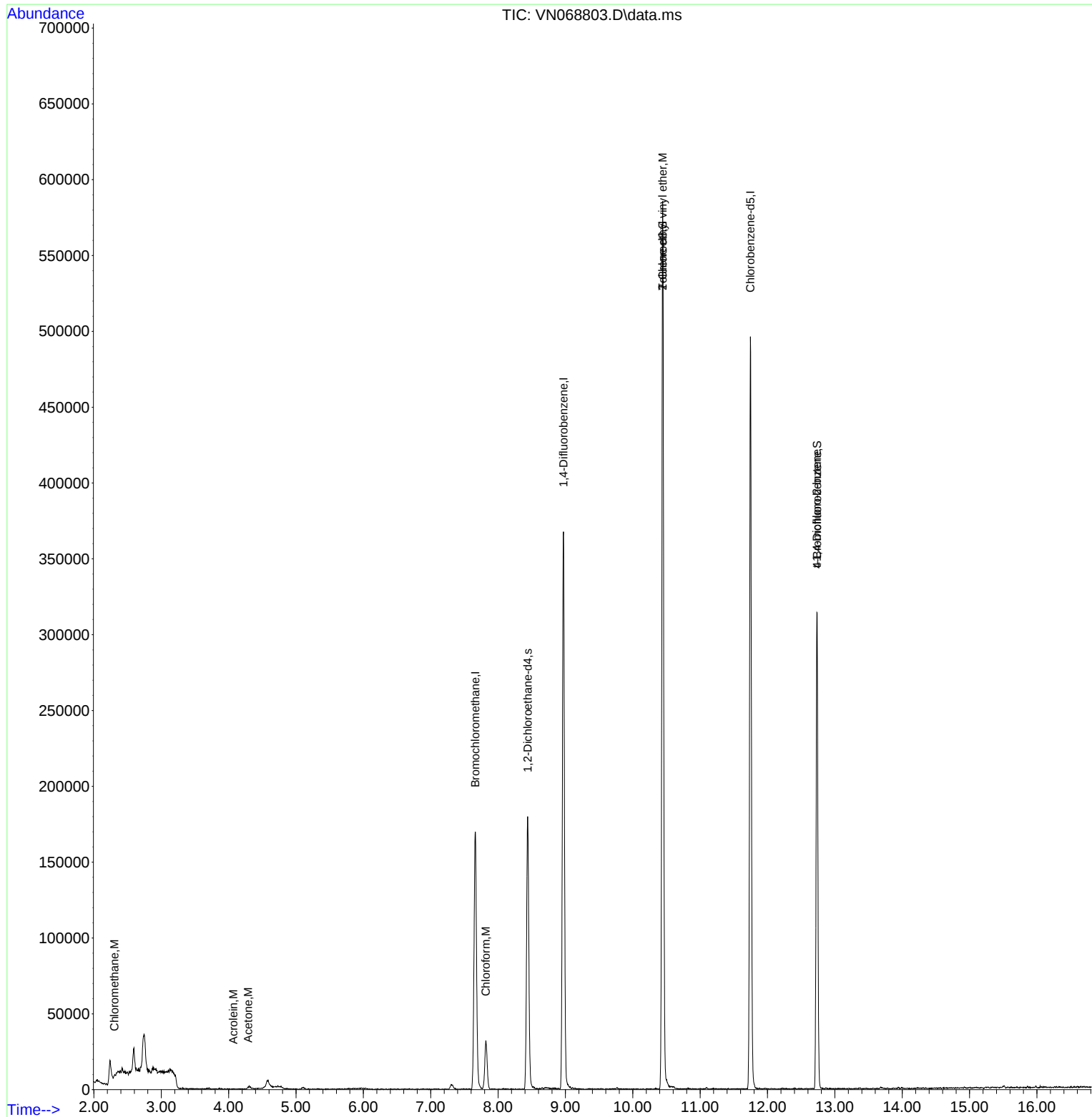
Internal Standards						
1) Bromochloromethane	7.662	128	60309	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	319860	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	276021	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	148908	32.032	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.767%
60) 4-Bromofluorobenzene	12.736	95	100197	23.237	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	77.467%
63) Toluene-d8	10.443	98	401629	32.192	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	107.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	1369	0.400	ug/l	95
13) Acrolein	4.071	56	53	0.246	ug/l #	64
15) Acetone	4.291	58	248	0.543	ug/l #	11
25) Chloroform	7.817	83	29837	3.968	ug/l	93
55) 2-Chloroethyl vinyl ether	10.443	63	366	0.213	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.733	75	58931	35.310	ug/l #	9

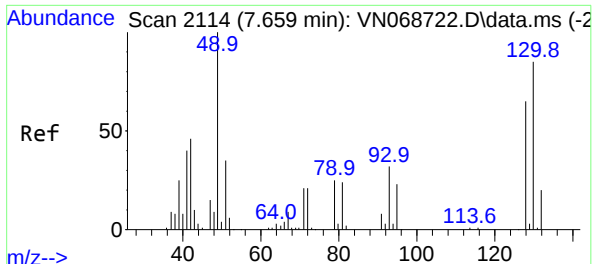
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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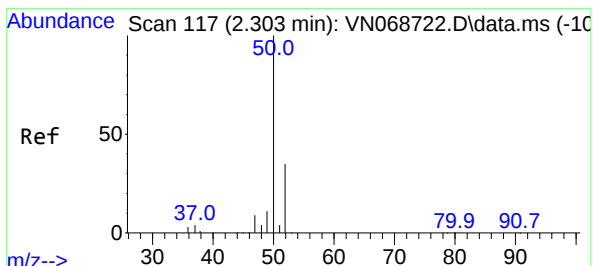
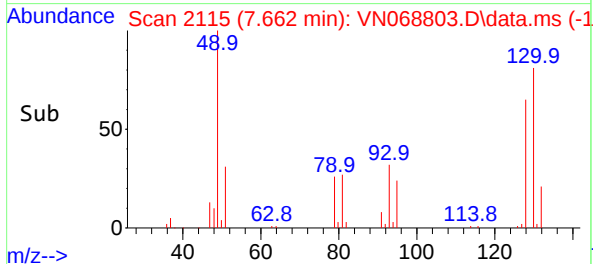
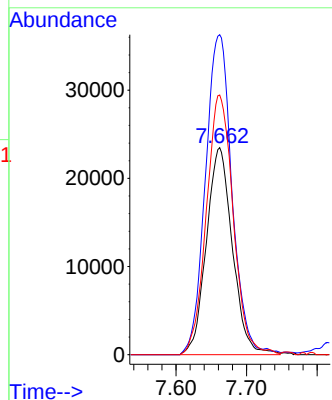
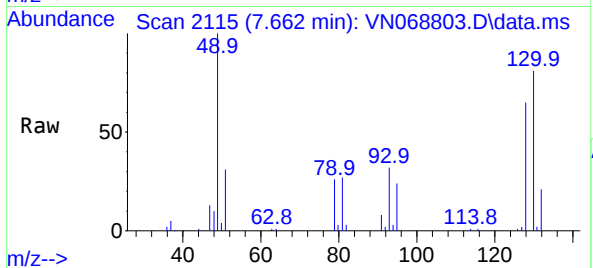




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN068803.D
Acq: 5 Oct 2021 14:47

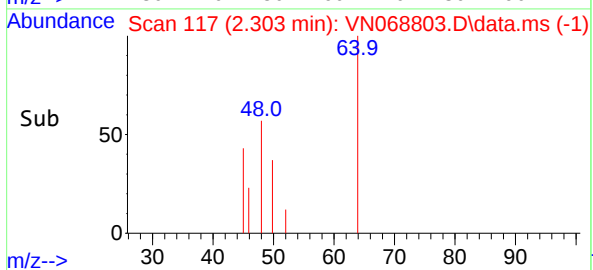
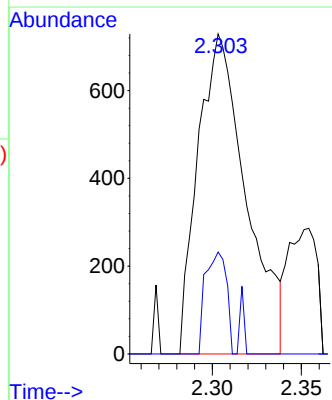
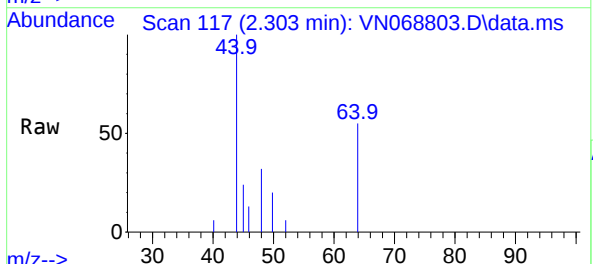
Instrument :
MSVOA_N
ClientSampleId :
TT-033-IDWGW-20211001

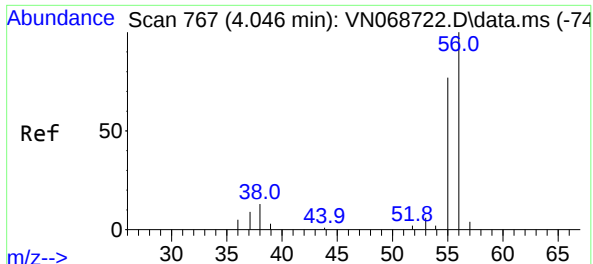
Tgt Ion:128 Resp: 60309
Ion Ratio Lower Upper
128 100
49 156.6 0.0 392.3
130 128.6 0.0 320.2



#3
Chloromethane
Concen: 0.400 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN068803.D
Acq: 5 Oct 2021 14:47

Tgt Ion: 50 Resp: 1369
Ion Ratio Lower Upper
50 100
52 31.8 27.8 41.6

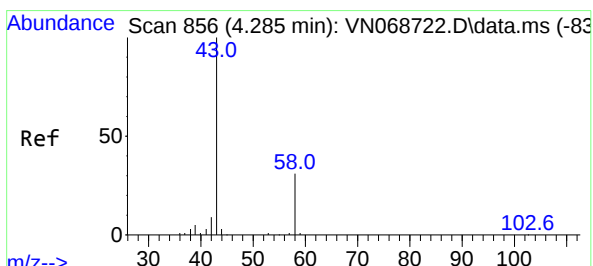
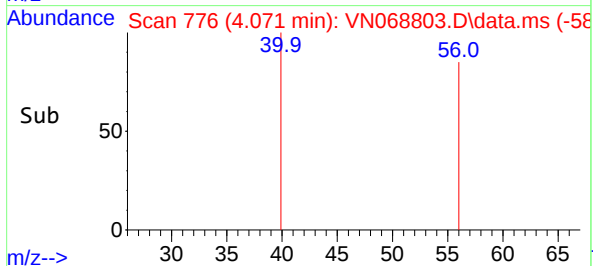
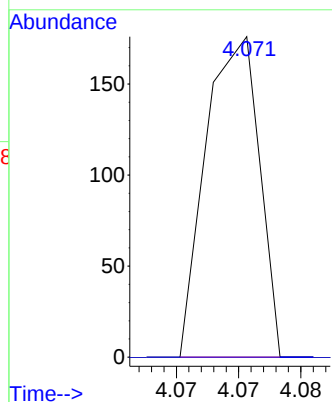
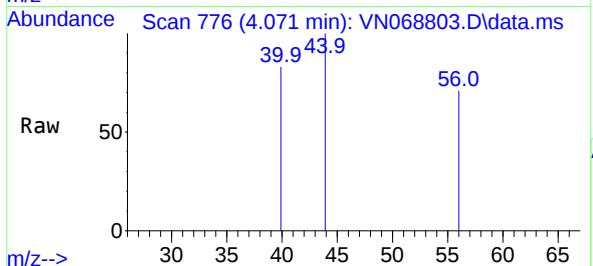




#13
Acrolein
Concen: 0.246 ug/l
RT: 4.071 min Scan# 776
Delta R.T. 0.025 min
Lab File: VN068803.D
Acq: 5 Oct 2021 14:47

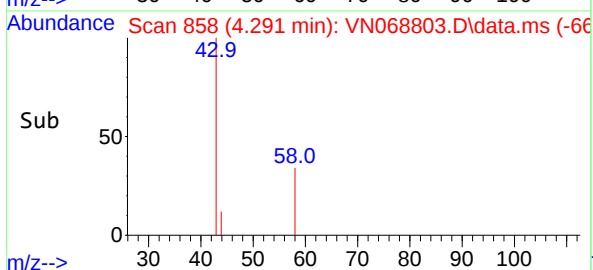
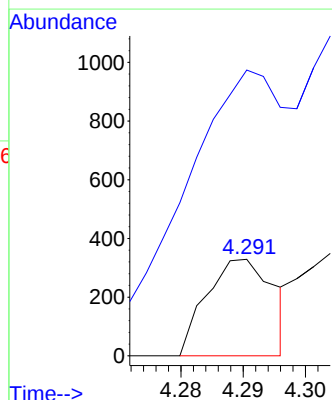
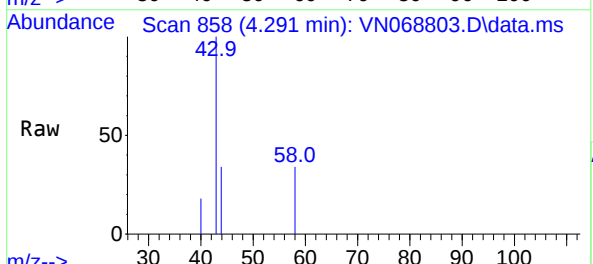
Instrument :
MSVOA_N
ClientSampleId :
TT-033-IDWGW-20211001

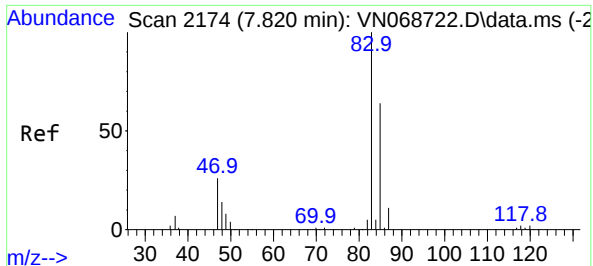
Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 101.9 57.6 86.4#



#15
Acetone
Concen: 0.543 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN068803.D
Acq: 5 Oct 2021 14:47

Tgt Ion: 58 Resp: 248
Ion Ratio Lower Upper
58 100
43 137.4 256.6 384.8#



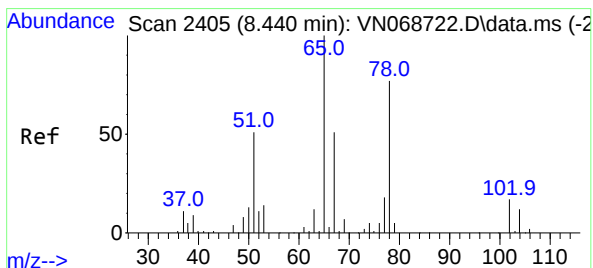
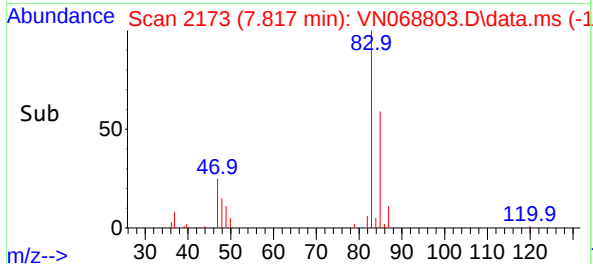
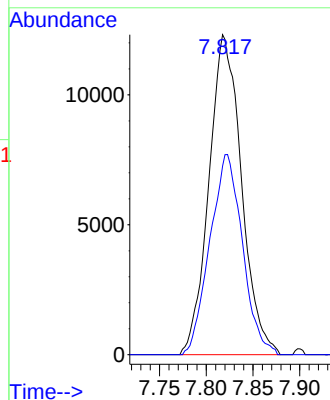
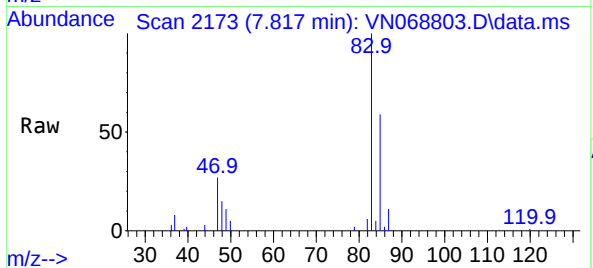


#25

Chloroform
Concen: 3.968 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. -0.003 min
Lab File: VN068803.D
Acq: 5 Oct 2021 14:47

Instrument :
MSVOA_N
ClientSampleId :
TT-033-IDWGW-20211001

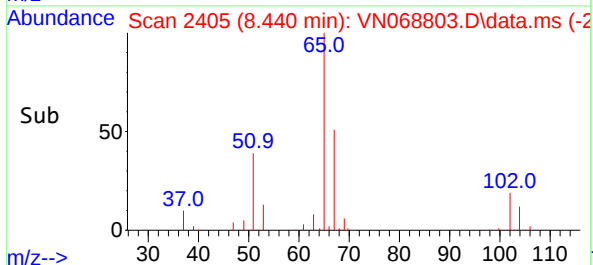
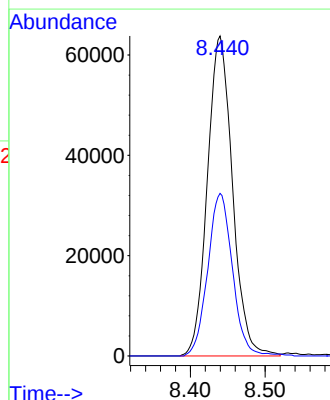
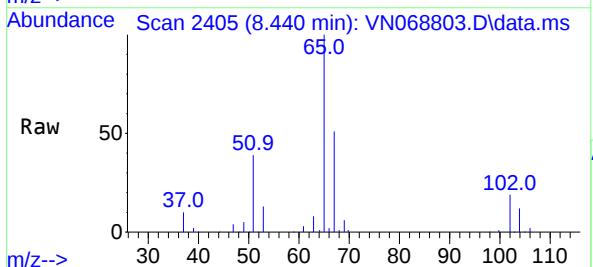
Tgt Ion: 83 Resp: 29837
Ion Ratio Lower Upper
83 100
85 59.0 51.3 76.9

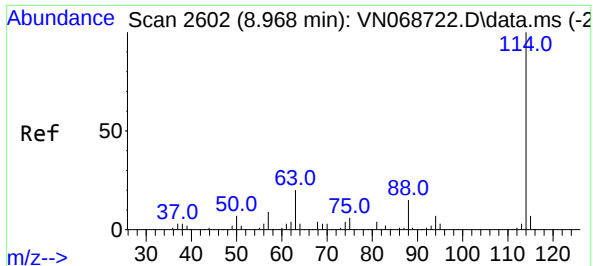


#27

1,2-Dichloroethane-d4
Concen: 32.032 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068803.D
Acq: 5 Oct 2021 14:47

Tgt Ion: 65 Resp: 148908
Ion Ratio Lower Upper
65 100
67 49.6 40.2 60.2



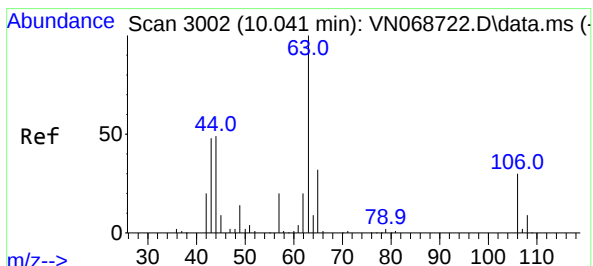
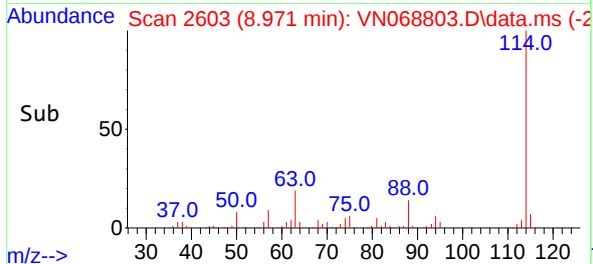
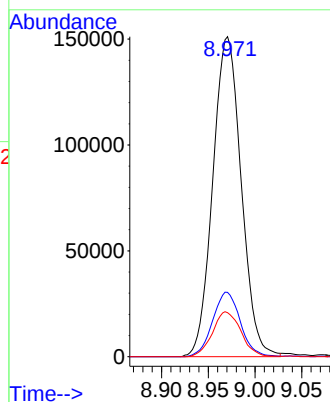
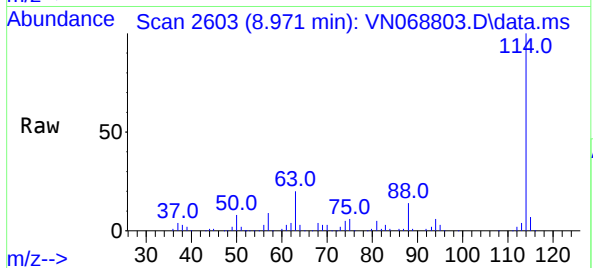


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068803.D
Acq: 5 Oct 2021 14:47

Instrument :
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ClientSampleId :
TT-033-IDWGW-20211001

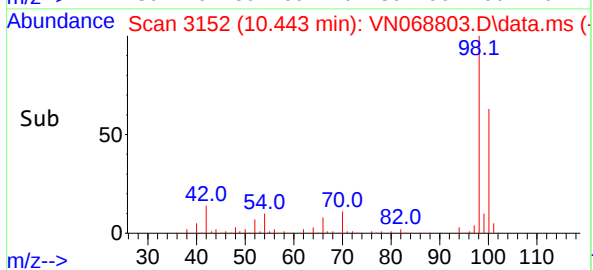
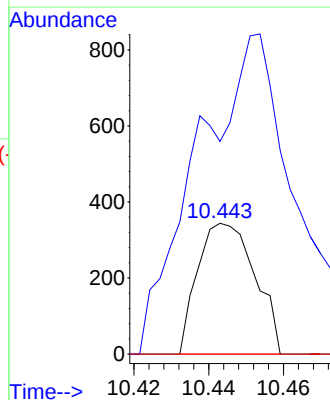
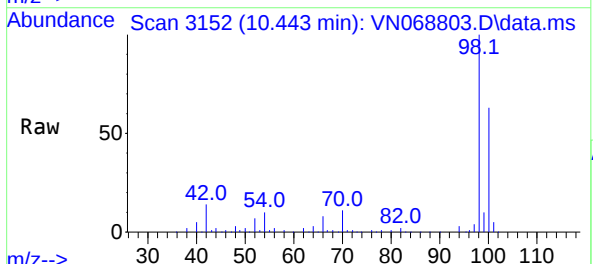
Tgt Ion:114 Resp: 319860
Ion Ratio Lower Upper
114 100
63 19.7 15.8 23.6
88 14.0 11.6 17.4

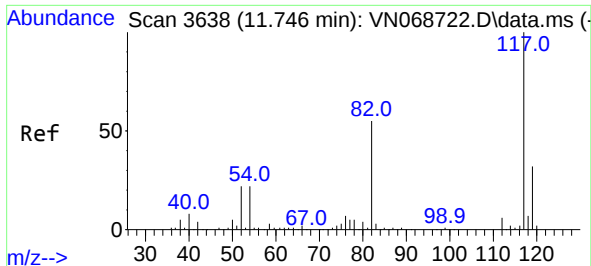


#55

2-Chloroethyl vinyl ether
Concen: 0.213 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.402 min
Lab File: VN068803.D
Acq: 5 Oct 2021 14:47

Tgt Ion: 63 Resp: 366
Ion Ratio Lower Upper
63 100
65 144.5 25.4 38.0#
106 0.0 23.2 34.8#

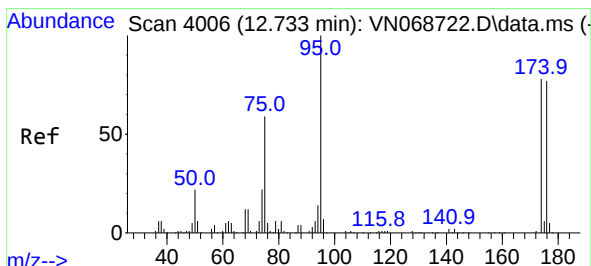
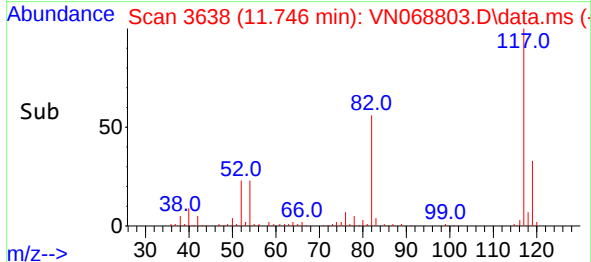
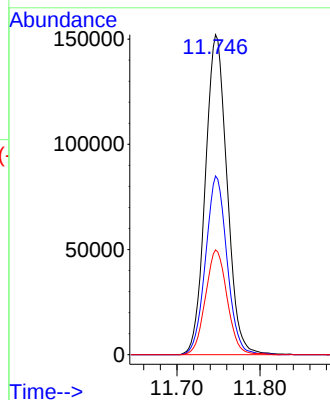
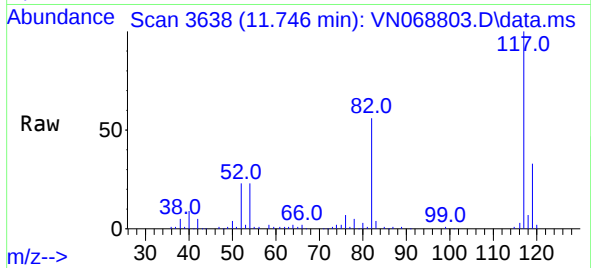




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068803.D
Acq: 5 Oct 2021 14:47

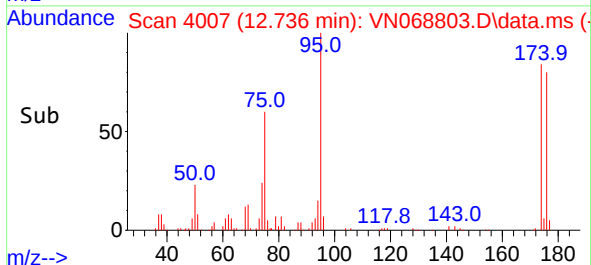
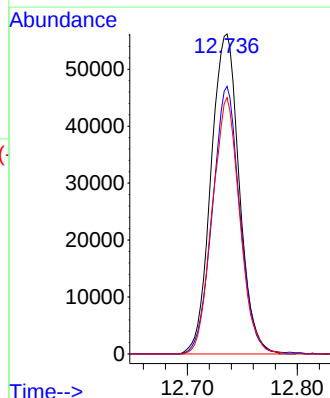
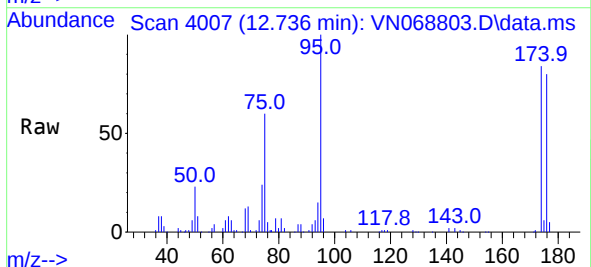
Instrument :
MSVOA_N
ClientSampleId :
TT-033-IDWGW-20211001

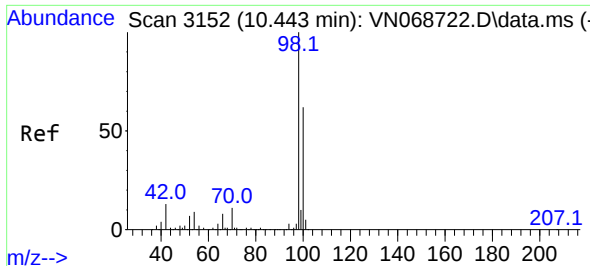
Tgt Ion:117 Resp: 276021
Ion Ratio Lower Upper
117 100
82 55.2 43.6 65.4
119 32.7 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 23.237 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068803.D
Acq: 5 Oct 2021 14:47

Tgt Ion: 95 Resp: 100197
Ion Ratio Lower Upper
95 100
174 81.2 62.9 94.3
176 77.7 61.0 91.4

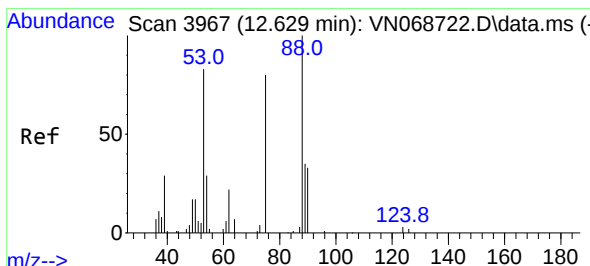
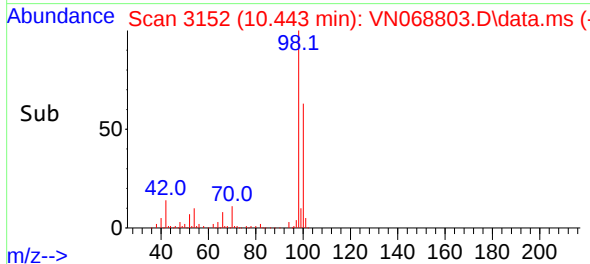
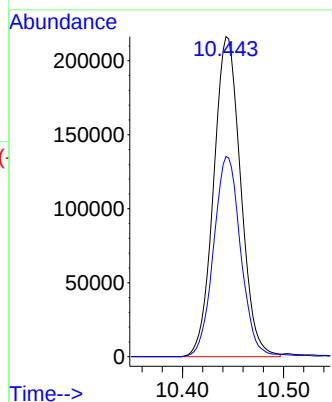
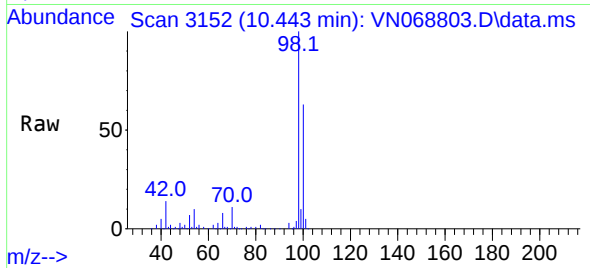




#63
Toluene-d8
Concen: 32.192 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068803.D
Acq: 5 Oct 2021 14:47

Instrument :
MSVOA_N
ClientSampleId :
TT-033-IDWGW-20211001

Tgt Ion: 98 Resp: 401629
Ion Ratio Lower Upper
98 100
100 62.9 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 35.310 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068803.D
Acq: 5 Oct 2021 14:47

Tgt Ion: 75 Resp: 58931
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.6 22.9 68.7#

