

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061121\
 Data File : VN067312.D
 Acq On : 12 Jun 2021 3:13
 Operator : JC/MD
 Sample : M2699-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(JUNE)

Quant Time: Jun 12 09:29:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 09:13:15 2021
 Response via : Initial Calibration

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

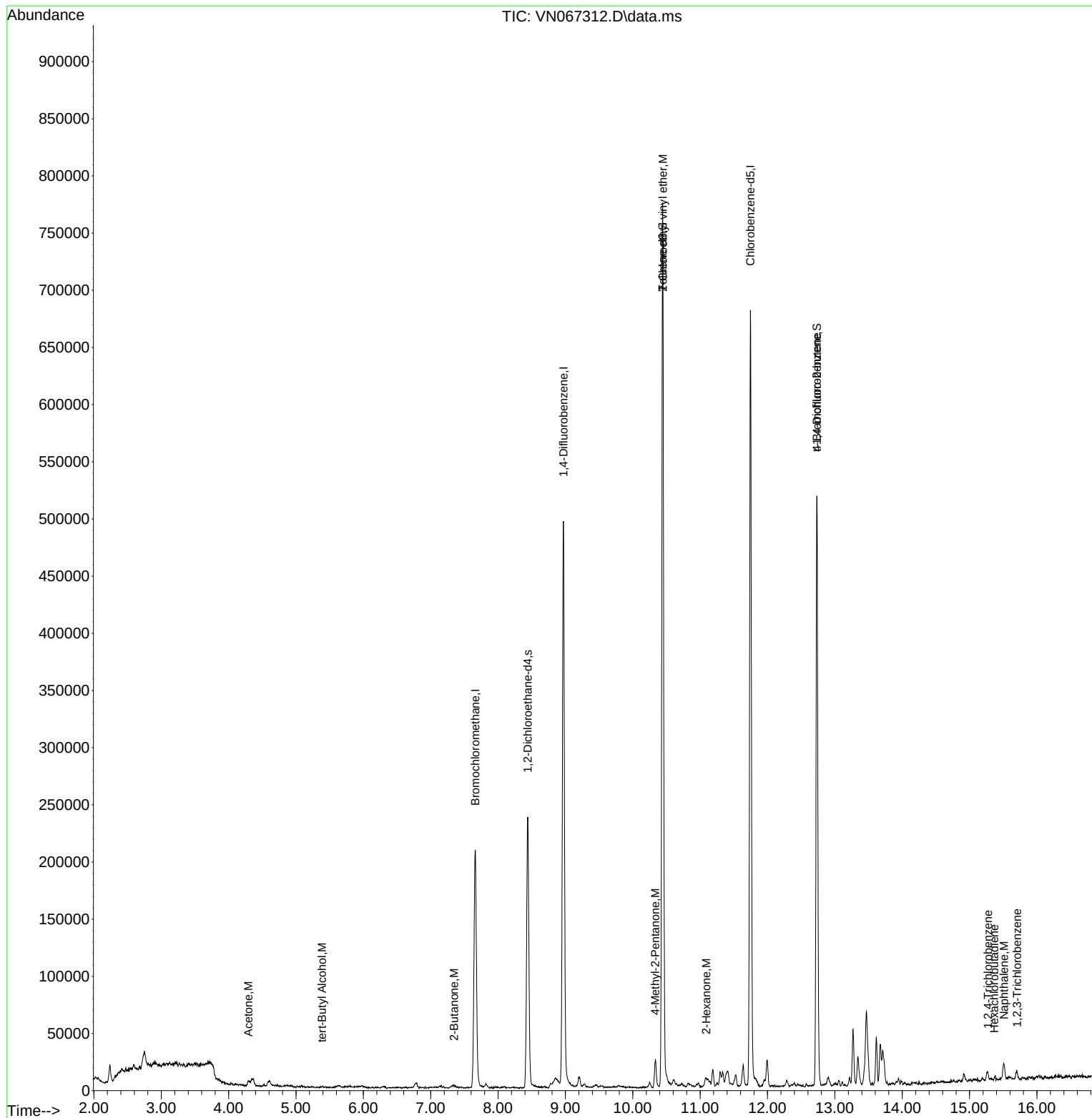
Internal Standards						
1) Bromochloromethane	7.662	128	64828	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	396976	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	357955	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	210450	30.890	ug/l	0.00
Spiked Amount	30.000	Range 91 - 110	Recovery	= 102.967%		
60) 4-Bromofluorobenzene	12.733	95	195307	28.262	ug/l	0.00
Spiked Amount	30.000	Range 63 - 112	Recovery	= 94.200%		
63) Toluene-d8	10.443	98	518749	30.387	ug/l	0.00
Spiked Amount	30.000	Range 91 - 112	Recovery	= 101.300%		
Target Compounds						
						Qvalue
15) Acetone	4.293	58	1443	2.359	ug/l #	39
23) tert-Butyl Alcohol	5.388	59	263	0.243	ug/l #	100
30) 2-Butanone	7.345	43	750	0.206	ug/l #	61
55) 2-Chloroethyl vinyl ether	10.446	63	851	0.382	ug/l #	1
58) 4-Methyl-2-Pentanone	10.336	43	16963	2.156	ug/l #	89
59) 2-Hexanone	11.089	43	3189	0.560	ug/l #	41
77) t-1,4-Dichloro-2-butene	12.733	75	114392	47.998	ug/l #	6
89) 1,2,4-Trichlorobenzene	15.273	180	919	0.219	ug/l #	20
90) Hexachlorobutadiene	15.367	225	584	0.262	ug/l	56
91) Naphthalene	15.509	128	12506	0.887	ug/l #	83
92) 1,2,3-Trichlorobenzene	15.705	180	2007	0.491	ug/l	90

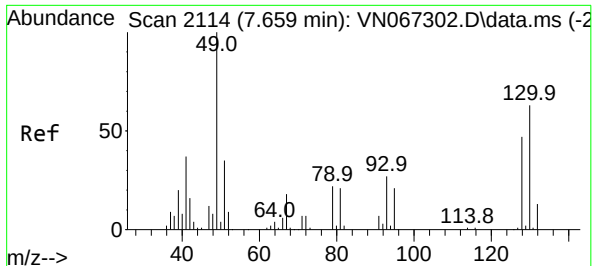
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 12 09:13:15 2021
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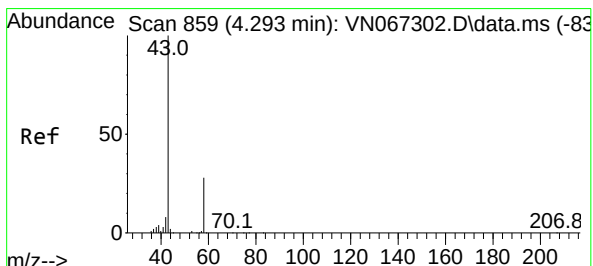
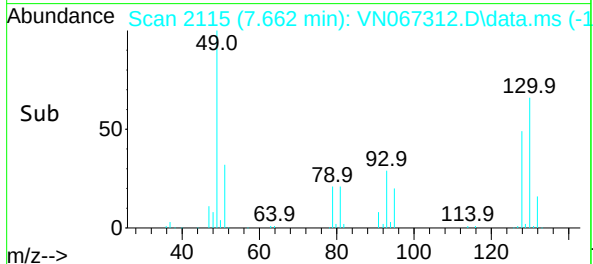
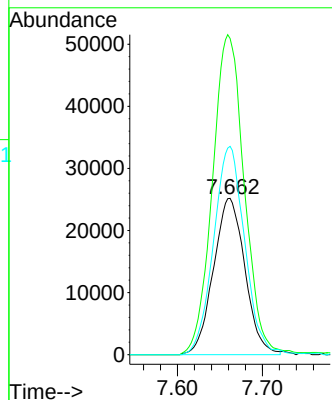
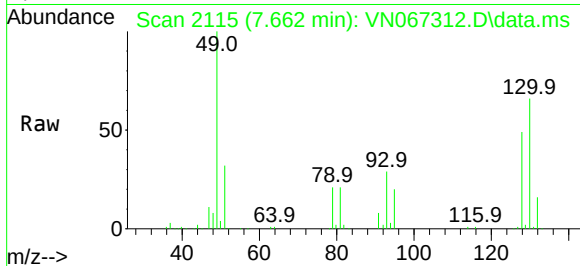




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13

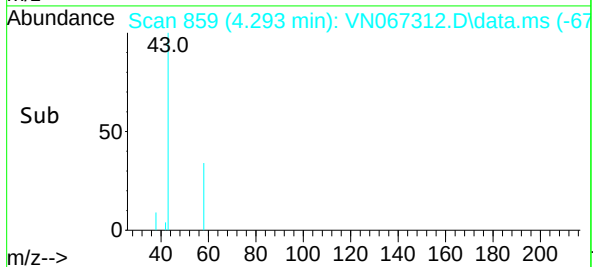
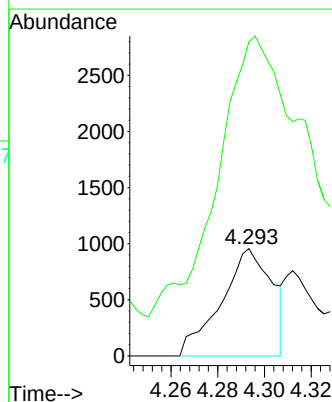
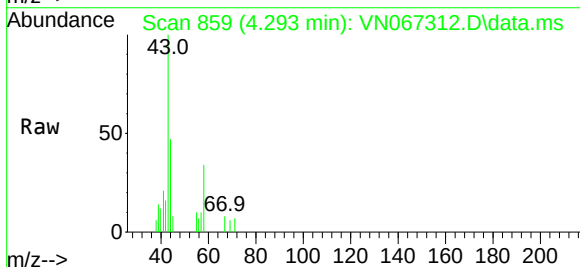
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

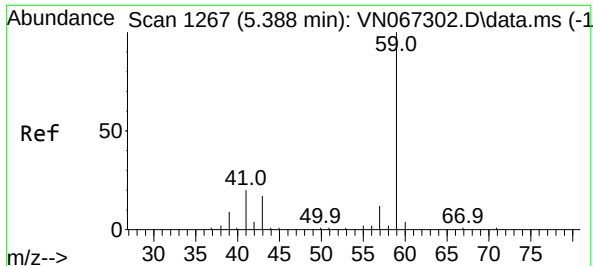
Tgt Ion:128 Resp: 64828
Ion Ratio Lower Upper
128 100
49 206.2 0.0 517.5
130 130.8 0.0 325.8



#15
Acetone
Concen: 2.359 ug/l
RT: 4.293 min Scan# 859
Delta R.T. -0.000 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13

Tgt Ion: 58 Resp: 1443
Ion Ratio Lower Upper
58 100
43 226.6 289.6 434.4#

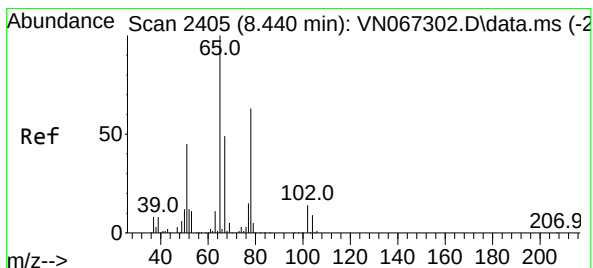
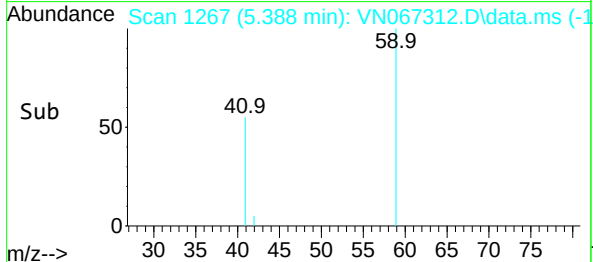
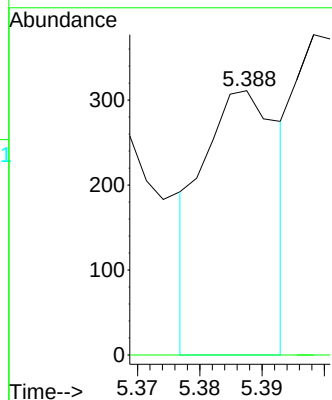
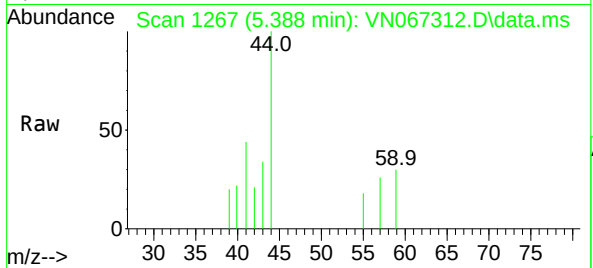




#23
tert-Butyl Alcohol
Concen: 0.243 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.000 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13

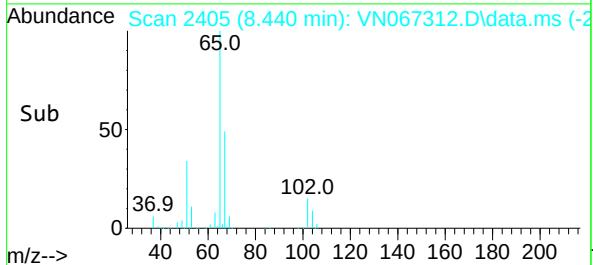
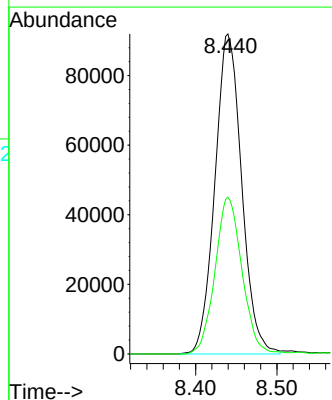
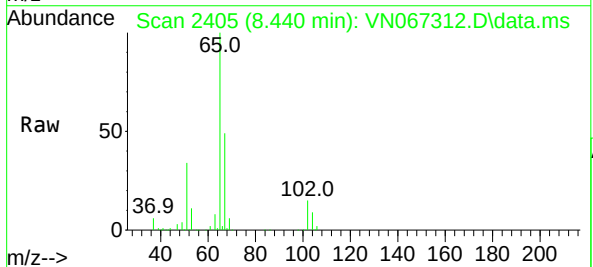
Instrument :
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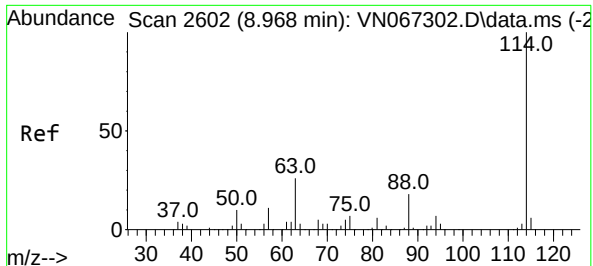
Tgt Ion: 59 Resp: 263
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 30.890 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13

Tgt Ion: 65 Resp: 210450
Ion Ratio Lower Upper
65 100
67 49.4 39.8 59.8

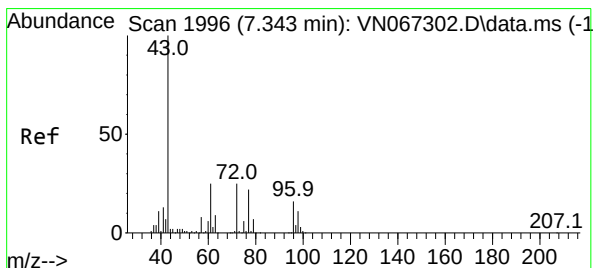
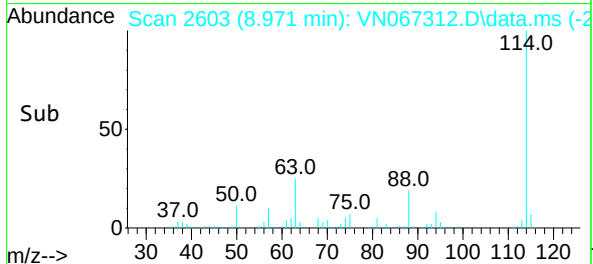
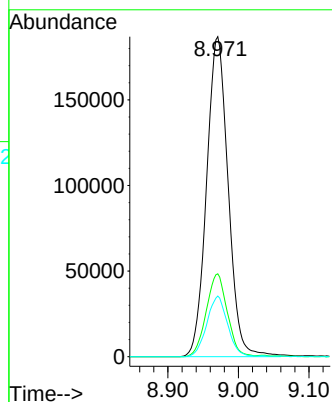
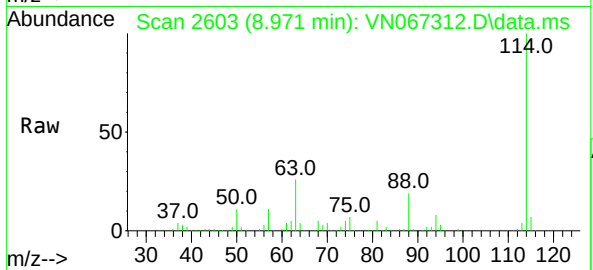




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13

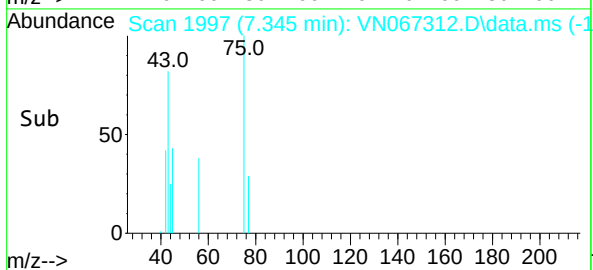
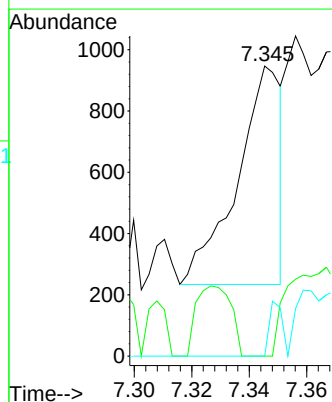
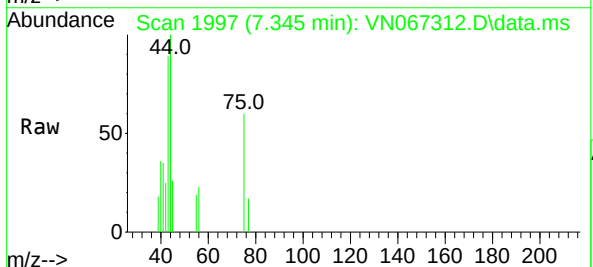
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

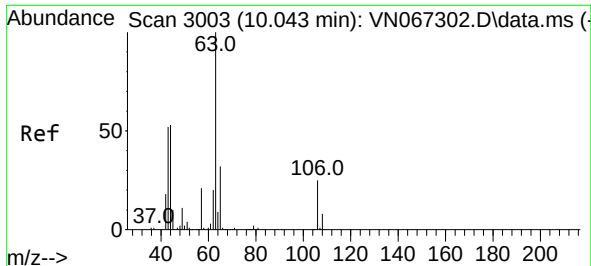
Tgt Ion: 114 Resp: 396976
Ion Ratio Lower Upper
114 100
63 25.3 20.3 30.5
88 18.2 14.6 22.0



#30
2-Butanone
Concen: 0.206 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.003 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13

Tgt Ion: 43 Resp: 750
Ion Ratio Lower Upper
43 100
57 25.6 6.9 10.3#
72 7.2 20.0 30.0#

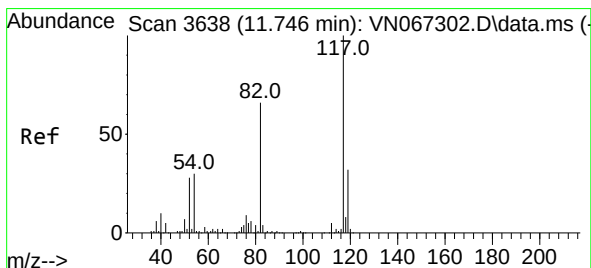
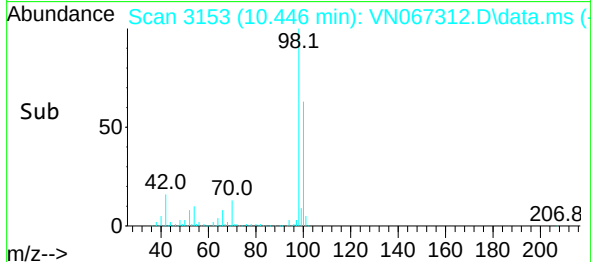
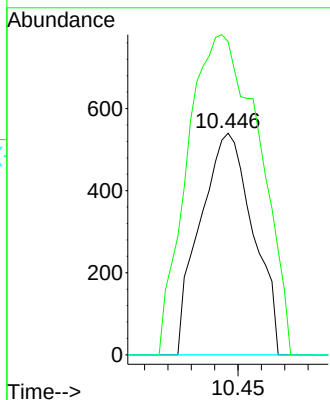
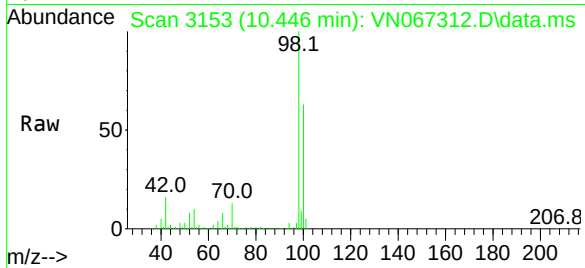




#55
2-Chloroethyl vinyl ether
Concen: 0.382 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.402 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13

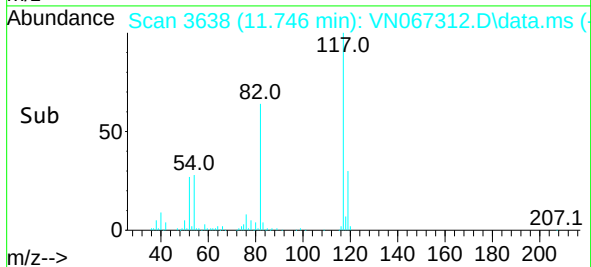
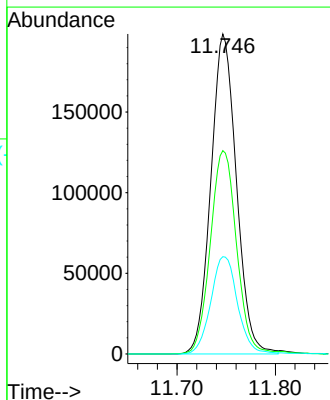
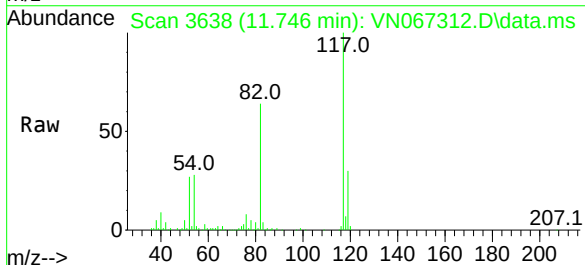
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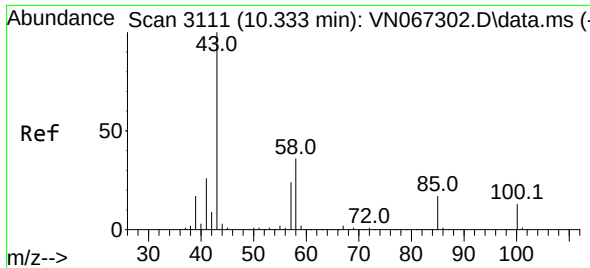
Tgt Ion: 63 Resp: 851
Ion Ratio Lower Upper
63 100
65 151.4 25.6 38.4#
106 0.0 20.0 30.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13

Tgt Ion:117 Resp: 357955
Ion Ratio Lower Upper
117 100
82 65.0 52.5 78.7
119 31.8 25.8 38.8

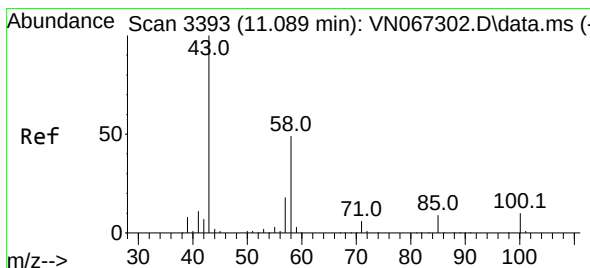
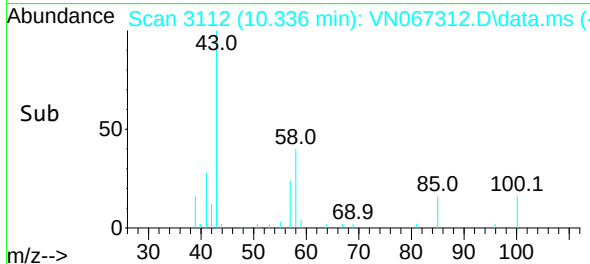
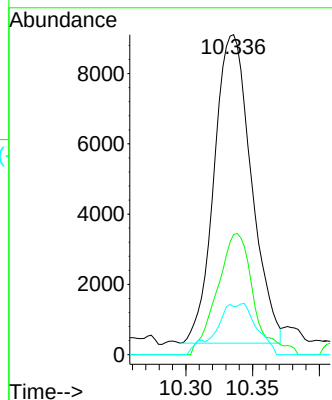
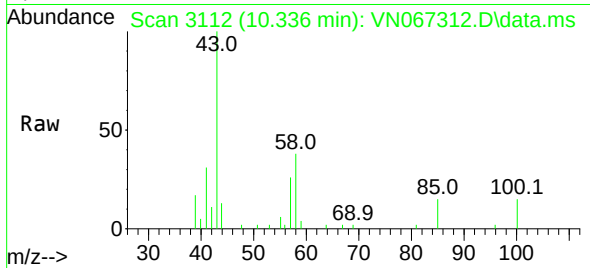




#58
4-Methyl-2-Pentanone
Concen: 2.156 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13

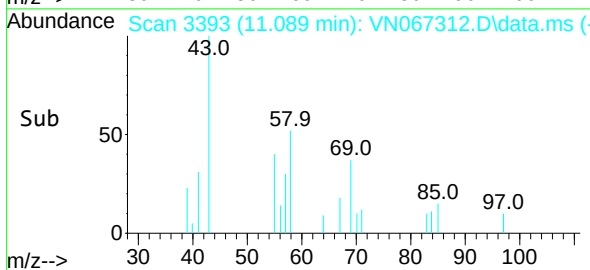
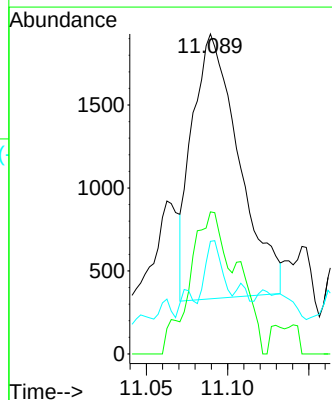
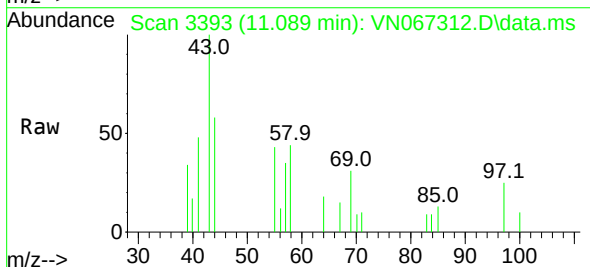
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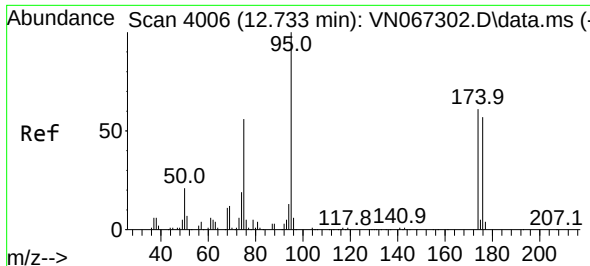
Tgt Ion:	43	Resp:	16963
Ion	Ratio	Lower	Upper
43	100		
58	37.8	29.0	43.4
85	4.5	13.2	19.8#



#59
2-Hexanone
Concen: 0.560 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. -0.000 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13

Tgt Ion:	43	Resp:	3189
Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.4	59.0#
57	8.4	14.4	21.6#

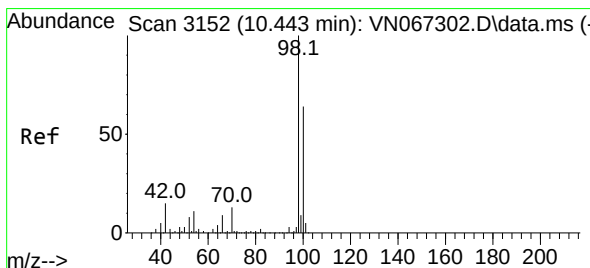
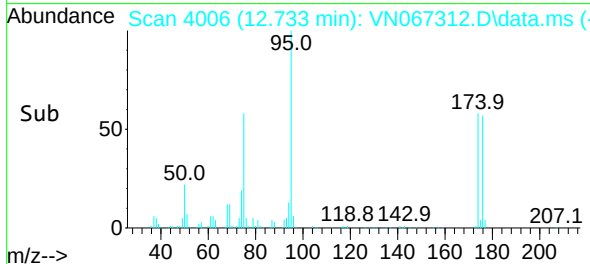
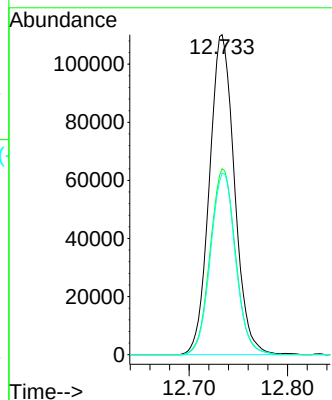
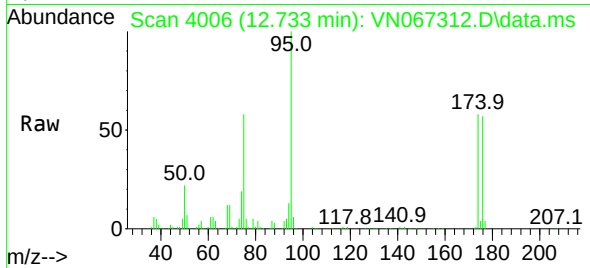




#60
4-Bromofluorobenzene
Concen: 28.262 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13

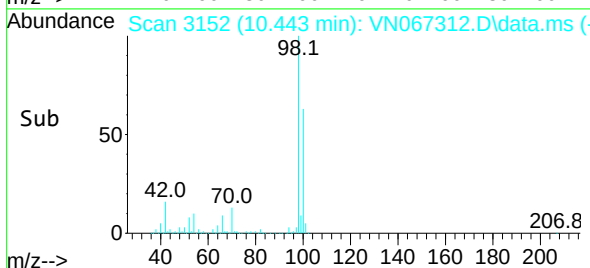
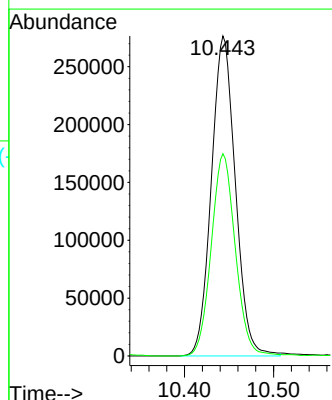
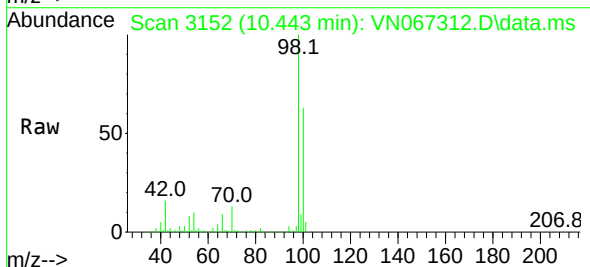
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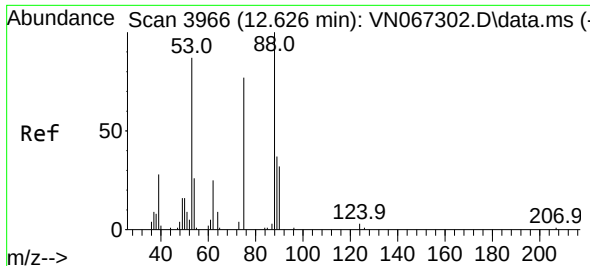
Tgt Ion: 95 Resp: 195307
Ion Ratio Lower Upper
95 100
174 58.7 47.7 71.5
176 56.9 45.7 68.5



#63
Toluene-d8
Concen: 30.387 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13

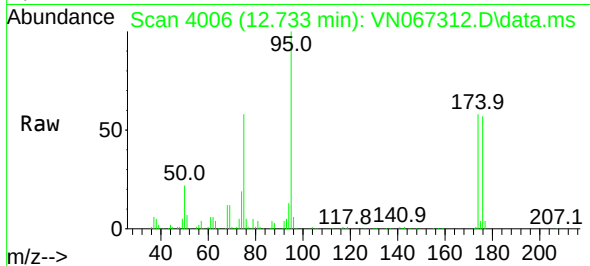
Tgt Ion: 98 Resp: 518749
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8



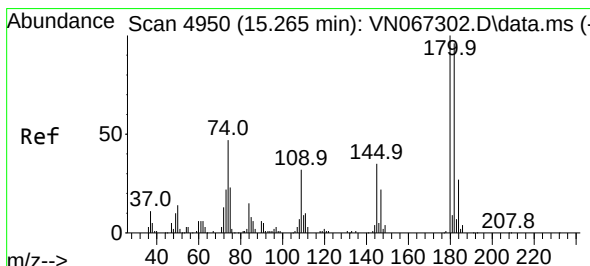
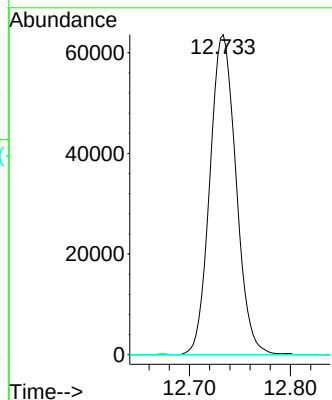
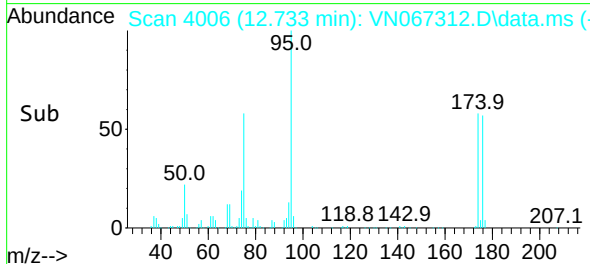


#77
t-1,4-Dichloro-2-butene
Concen: 47.998 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13

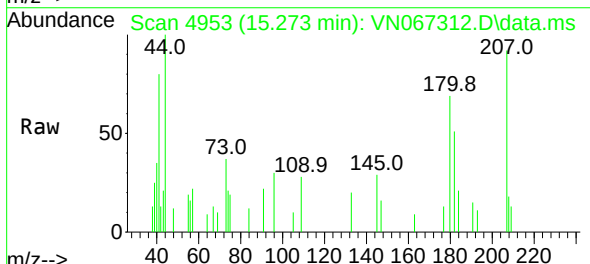
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



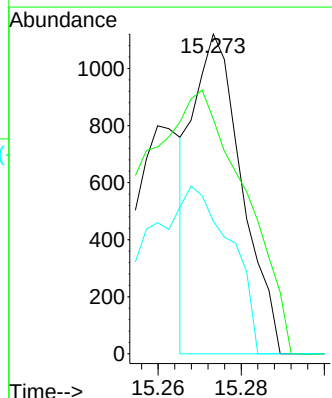
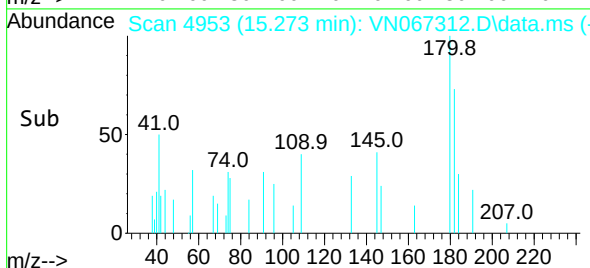
Tgt Ion: 75 Resp: 114392
Ion Ratio Lower Upper
75 100
53 0.0 55.2 165.6#
89 0.0 24.5 73.5#

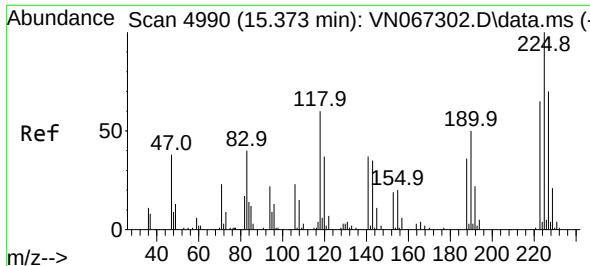


#89
1,2,4-Trichlorobenzene
Concen: 0.219 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13



Tgt Ion: 180 Resp: 919
Ion Ratio Lower Upper
180 100
182 189.1 75.9 113.9#
145 56.1 28.8 43.2#

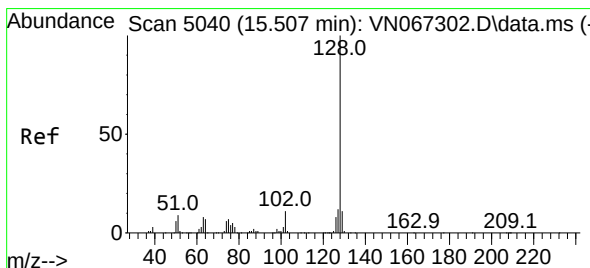
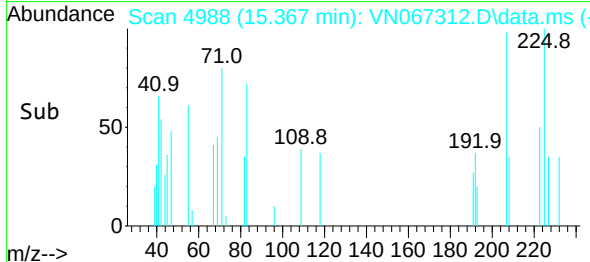
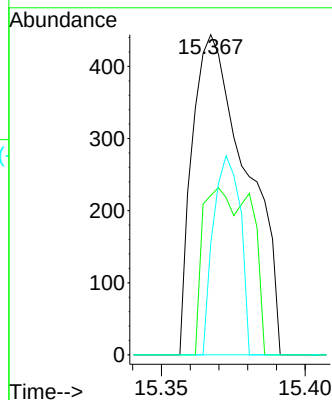
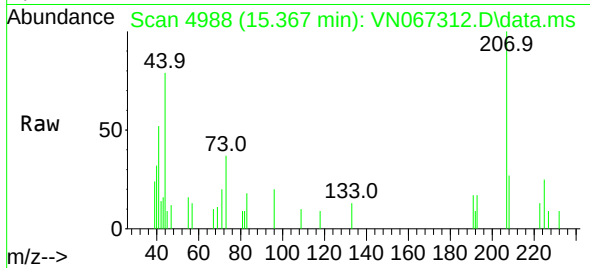




#90
Hexachlorobutadiene
Concen: 0.262 ug/l
RT: 15.367 min Scan# 4988
Delta R.T. -0.005 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13

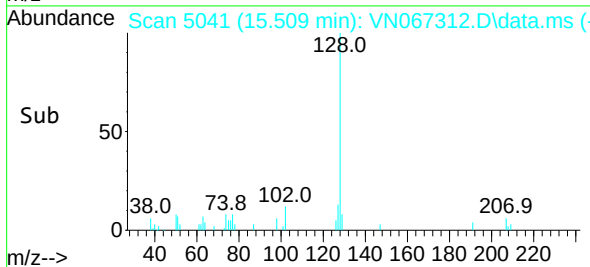
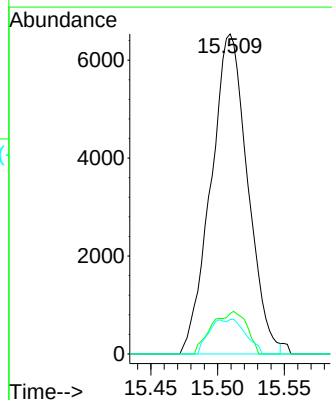
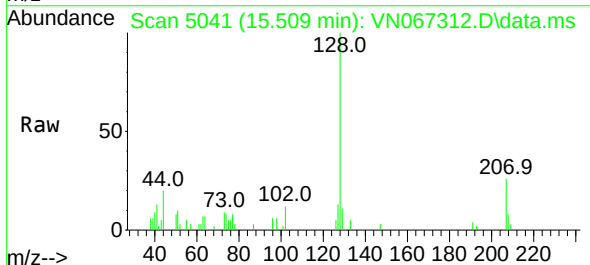
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

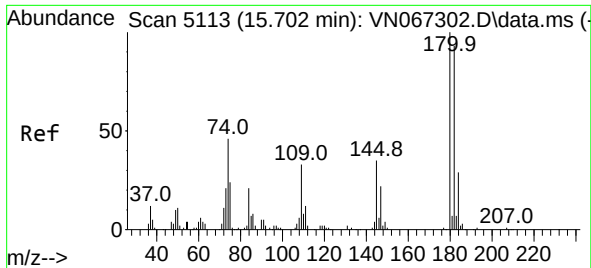
Tgt Ion:225	Resp:	584
Ion Ratio	Lower	Upper
225	100	
223	29.6	0.0 129.6
227	30.7	0.0 131.2



#91
Naphthalene
Concen: 0.887 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN067312.D
Acq: 12 Jun 2021 3:13

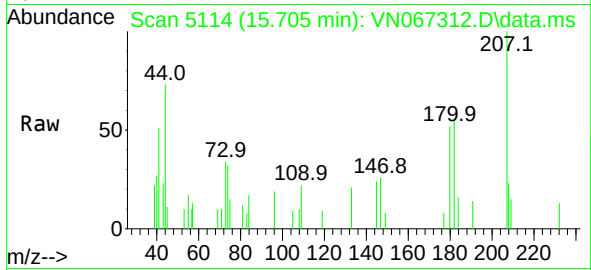
Tgt Ion:128	Resp:	12506
Ion Ratio	Lower	Upper
128	100	
127	5.2	10.1 15.1#
129	5.4	8.9 13.3#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.491 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067312.D
 Acq: 12 Jun 2021 3:13

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(JUNE)



Tgt Ion:	180	Resp:	2007
Ion	Ratio	Lower	Upper
180	100		
182	99.2	0.0	184.6
145	28.7	0.0	76.0

