

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100821\
 Data File : VN068853.D
 Acq On : 8 Oct 2021 17:19
 Operator : JC/MD
 Sample : M4105-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Oct 11 04:53:59 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)

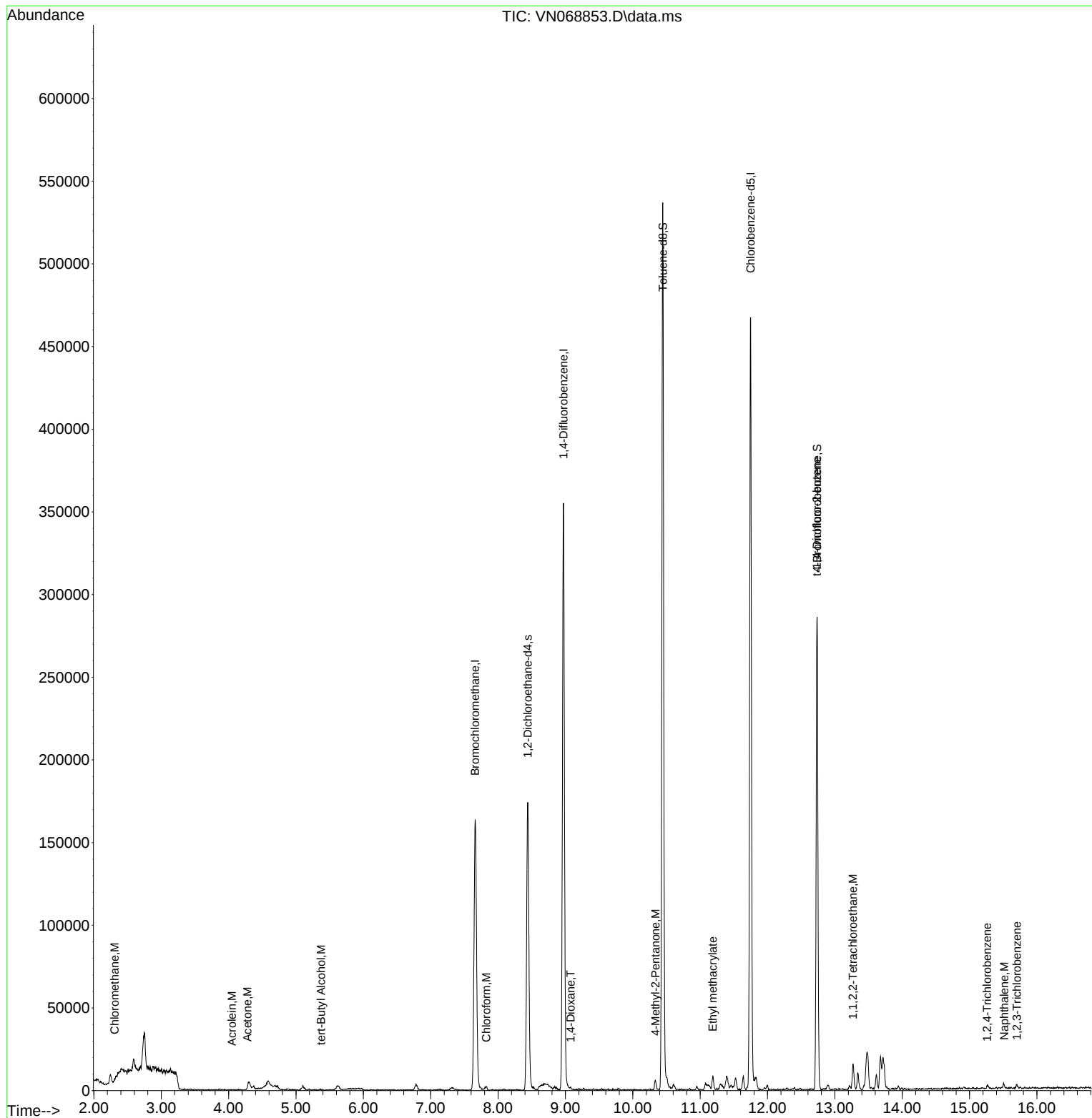
Internal Standards						
1) Bromochloromethane	7.659	128	60347	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	302026	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	268746	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	146033	31.394	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.633%
60) 4-Bromofluorobenzene	12.736	95	92581	22.052	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	73.500%
63) Toluene-d8	10.446	98	377483	31.075	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	850	0.248	ug/l #	68
13) Acrolein	4.049	56	169	0.783	ug/l #	14
15) Acetone	4.280	58	340	0.744	ug/l #	45
23) tert-Butyl Alcohol	5.372	59	200	0.327	ug/l #	100
25) Chloroform	7.826	83	1716	0.228	ug/l #	80
45) 1,4-Dioxane	9.078	88	64	1.013	ug/l #	1
51) Ethyl methacrylate	11.189	69	1340	0.231	ug/l	77
58) 4-Methyl-2-Pentanone	10.336	43	3814	0.841	ug/l #	82
71) 1,1,2,2-Tetrachloroethane	13.270	83	1357	0.264	ug/l #	33
77) t-1,4-Dichloro-2-butene	12.734	75	55219	33.981	ug/l #	9
89) 1,2,4-Trichlorobenzene	15.260	180	772	0.222	ug/l #	35
91) Naphthalene	15.515	128	2860	0.291	ug/l #	87
92) 1,2,3-Trichlorobenzene	15.703	180	886	0.265	ug/l	45

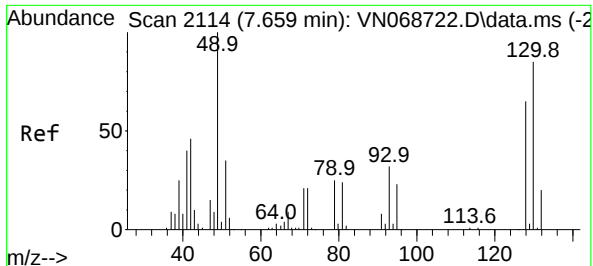
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100821\
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ALS Vial : 7 Sample Multiplier: 1

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001-WILLETS-PT-BLVD(OCT)

Quant Time: Oct 11 04:53:59 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
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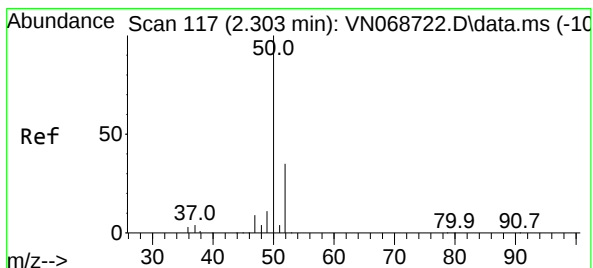
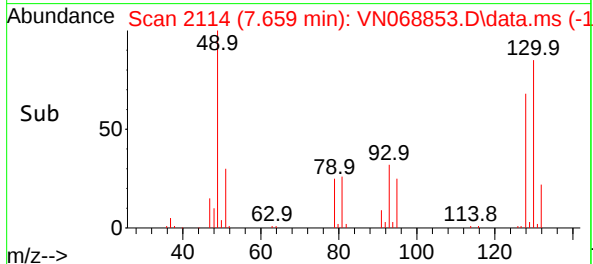
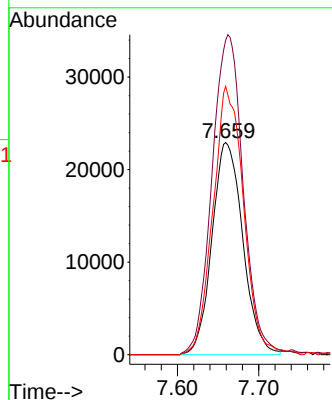
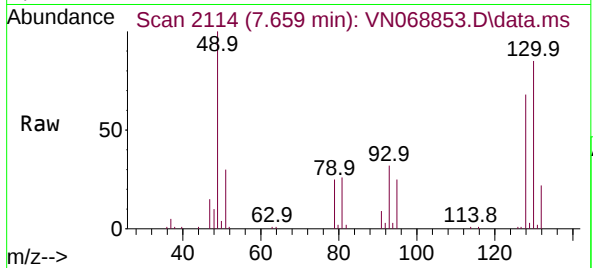




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

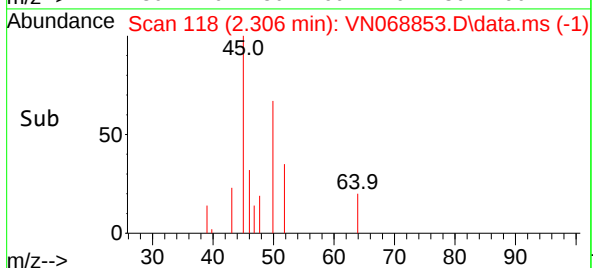
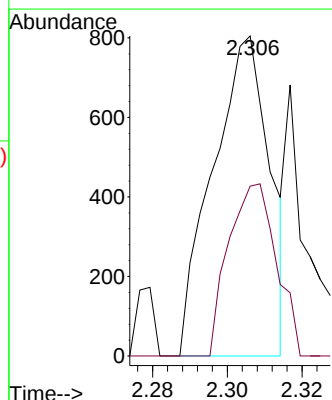
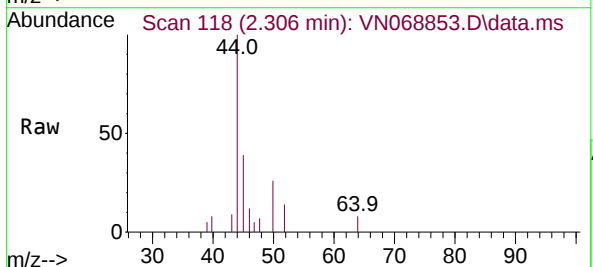
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(OCT)

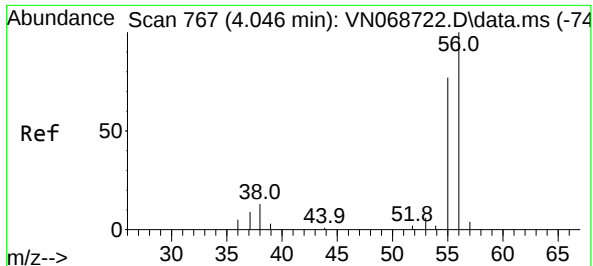
Tgt Ion:128 Resp: 60347
Ion Ratio Lower Upper
128 100
49 152.6 0.0 392.3
130 125.4 0.0 320.2



#3
Chloromethane
Concen: 0.248 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

Tgt Ion: 50 Resp: 850
Ion Ratio Lower Upper
50 100
52 53.0 27.8 41.6#

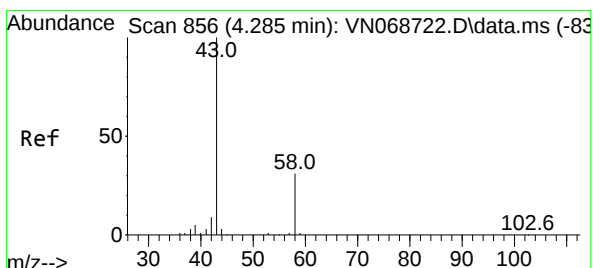
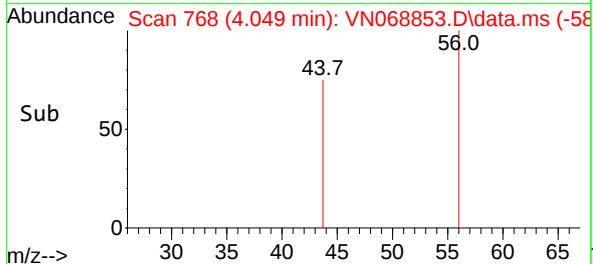
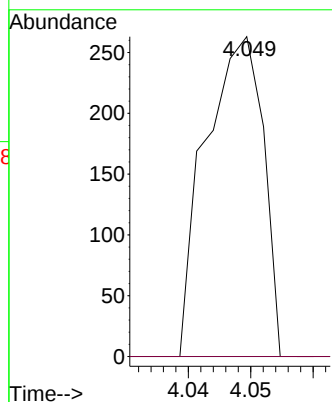
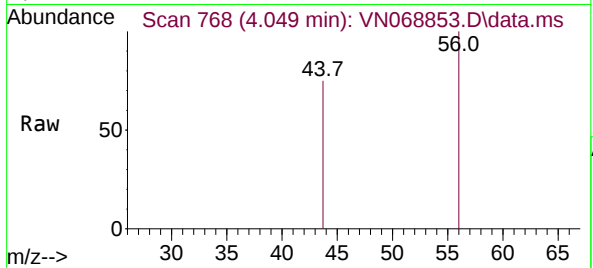




#13
Acrolein
Concen: 0.783 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.003 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

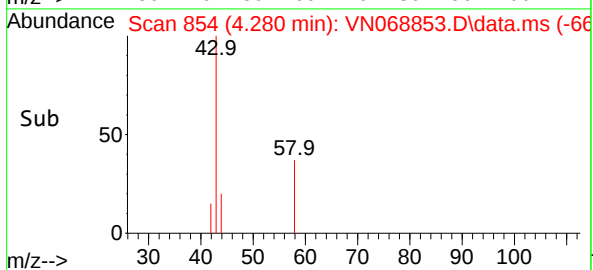
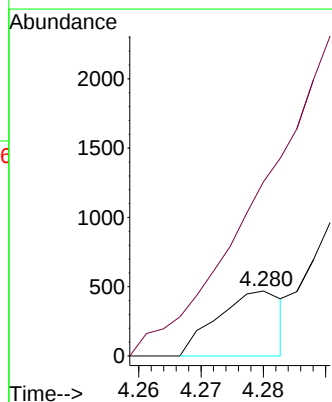
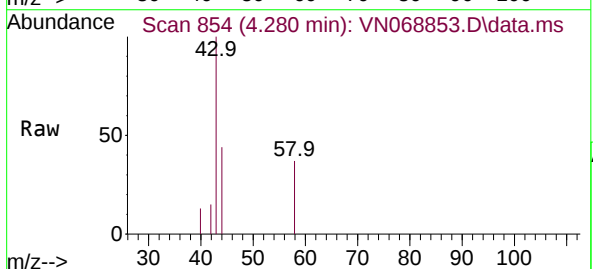
Instrument :
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ClientSampleId :
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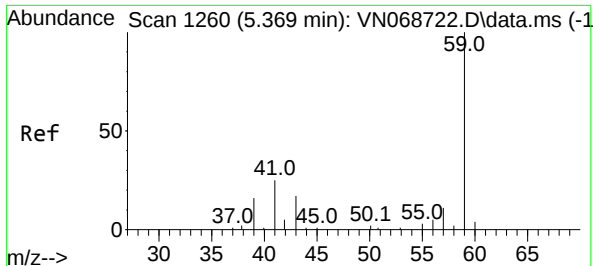
Tgt Ion: 56 Resp: 169
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#15
Acetone
Concen: 0.744 ug/l
RT: 4.280 min Scan# 854
Delta R.T. -0.005 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

Tgt Ion: 58 Resp: 340
Ion Ratio Lower Upper
58 100
43 207.9 256.6 384.8#

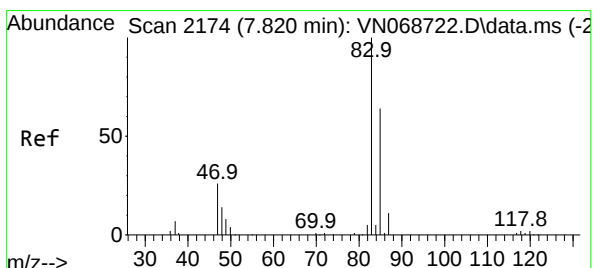
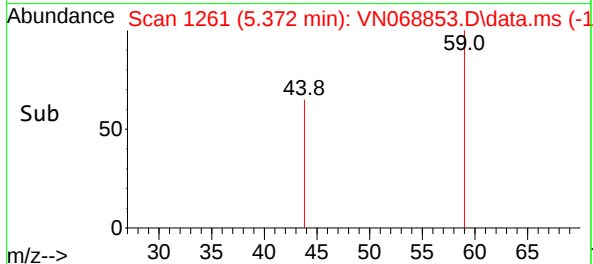
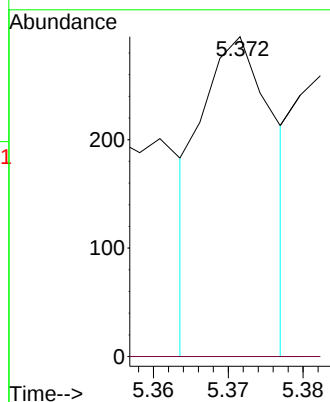
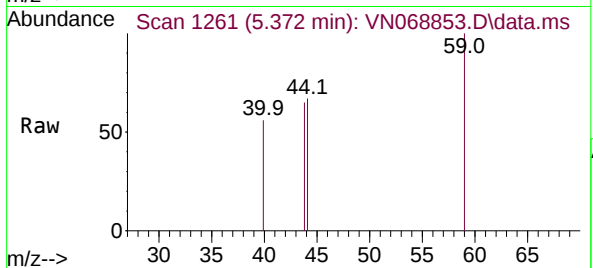




#23
tert-Butyl Alcohol
Concen: 0.327 ug/l
RT: 5.372 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

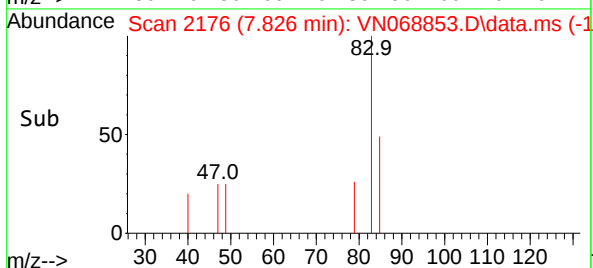
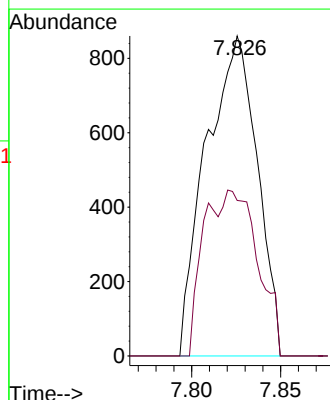
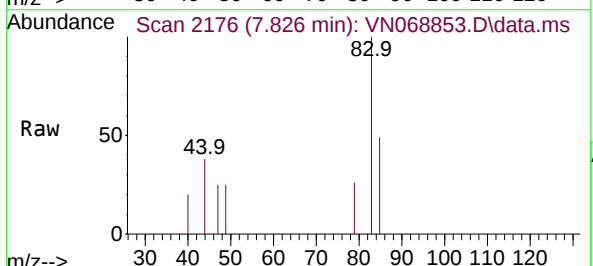
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(OCT)

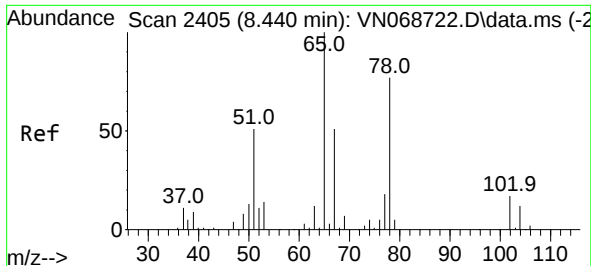
Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.228 ug/l
RT: 7.826 min Scan# 2176
Delta R.T. 0.006 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

Tgt Ion: 83 Resp: 1716
Ion Ratio Lower Upper
83 100
85 48.6 51.3 76.9#



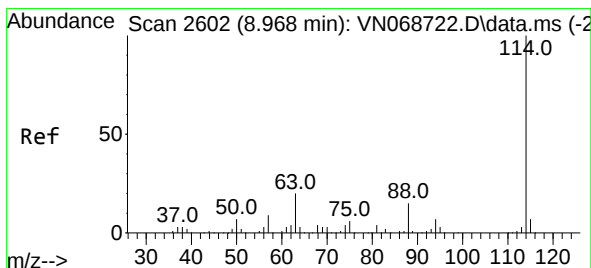
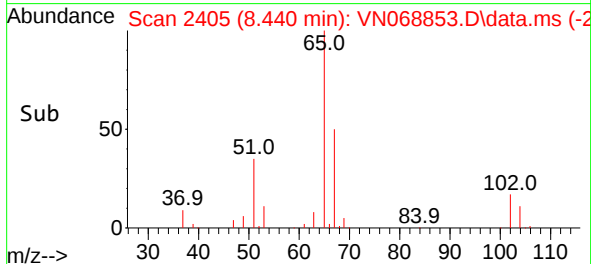
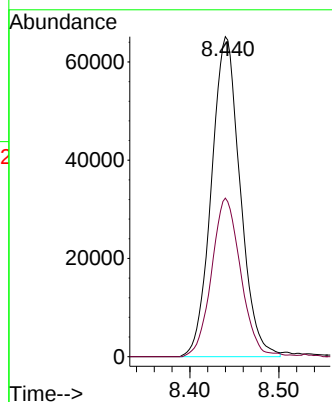
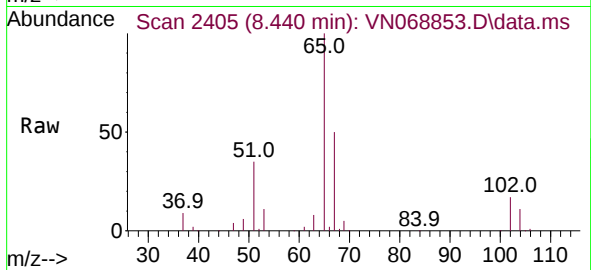


#27
 1,2-Dichloroethane-d4
 Concen: 31.394 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068853.D
 Acq: 8 Oct 2021 17:19

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

Tgt Ion: 65 Resp: 146033

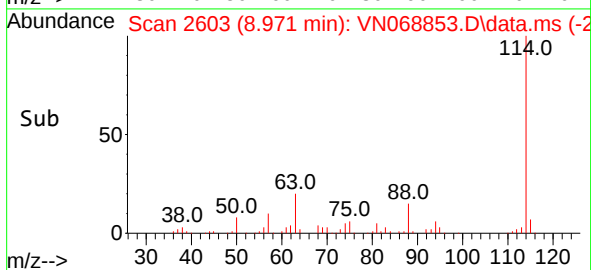
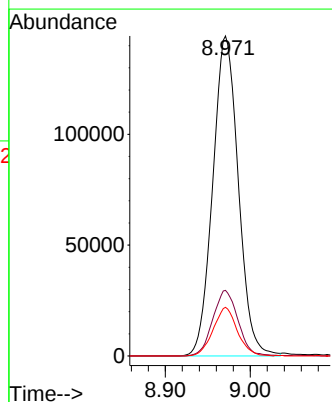
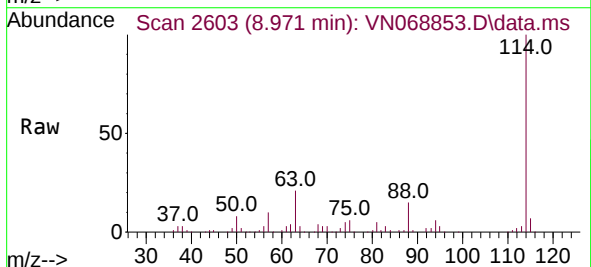
Ion	Ratio	Lower	Upper
65	100		
67	49.8	40.2	60.2

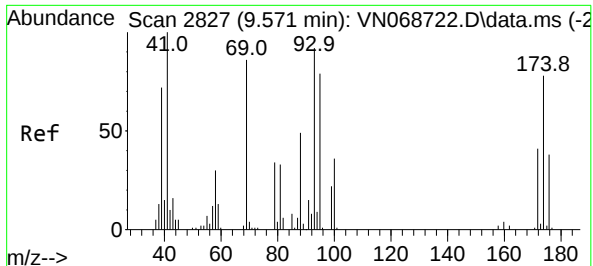


#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068853.D
 Acq: 8 Oct 2021 17:19

Tgt Ion: 114 Resp: 302026

Ion	Ratio	Lower	Upper
114	100		
63	20.2	15.8	23.6
88	14.4	11.6	17.4

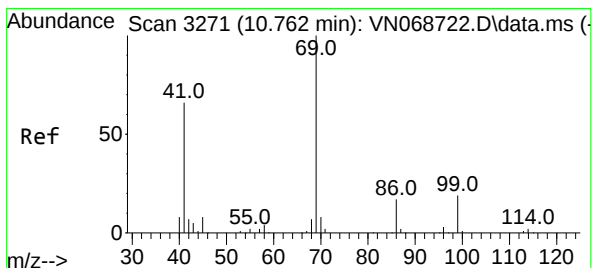
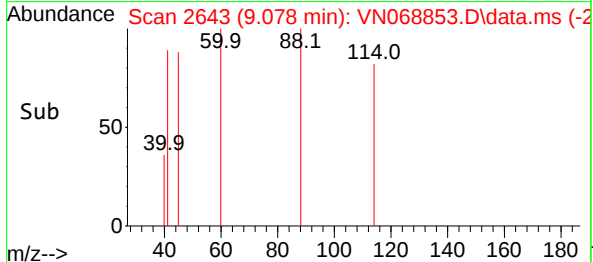
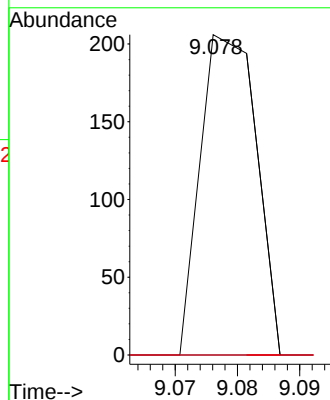
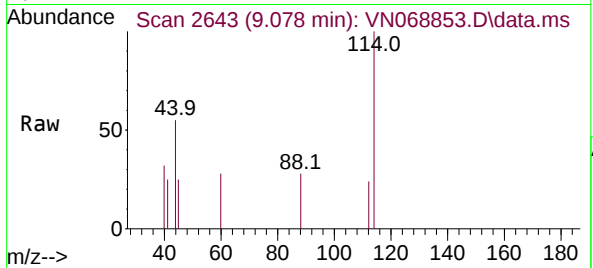




#45
1,4-Dioxane
Concen: 1.013 ug/l
RT: 9.078 min Scan# 2643
Delta R.T. -0.493 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

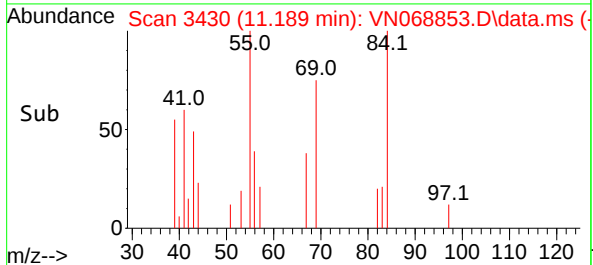
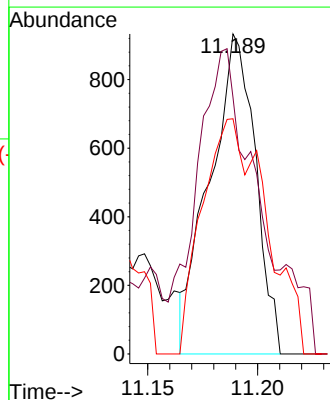
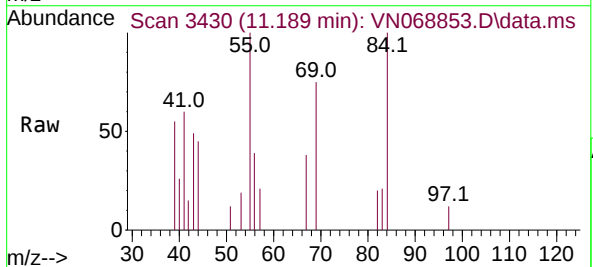
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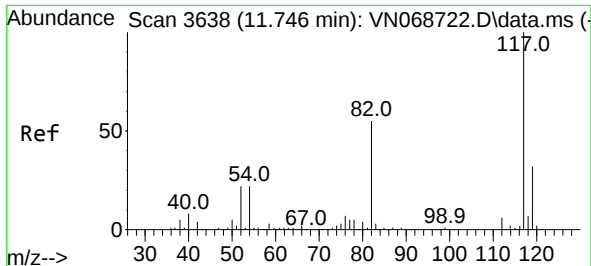
Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 651.6 25.0 37.6#
58 0.0 49.4 74.2#



#51
Ethyl methacrylate
Concen: 0.231 ug/l
RT: 11.189 min Scan# 3430
Delta R.T. 0.427 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

Tgt Ion: 69 Resp: 1340
Ion Ratio Lower Upper
69 100
41 53.9 33.0 98.9
39 73.5 25.4 76.4

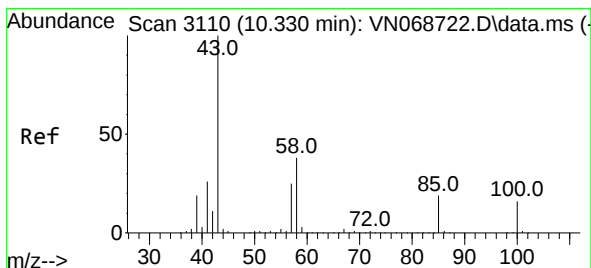
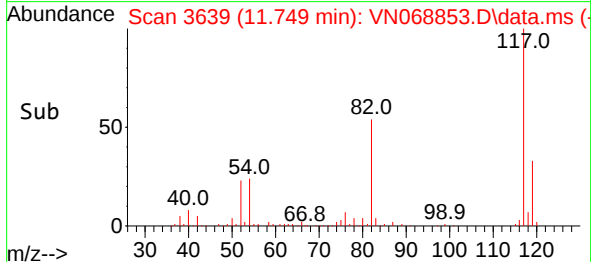
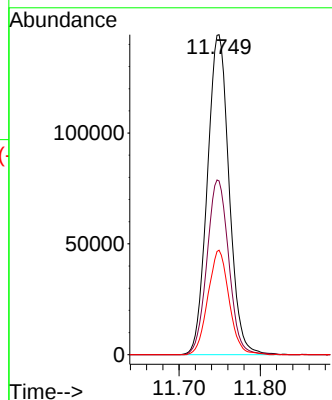
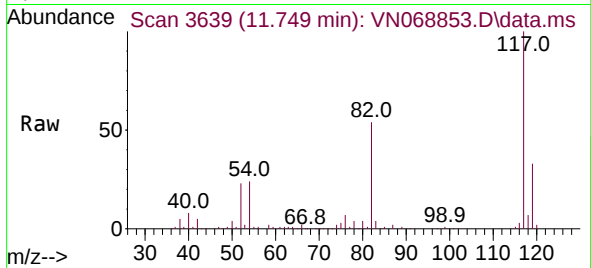




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

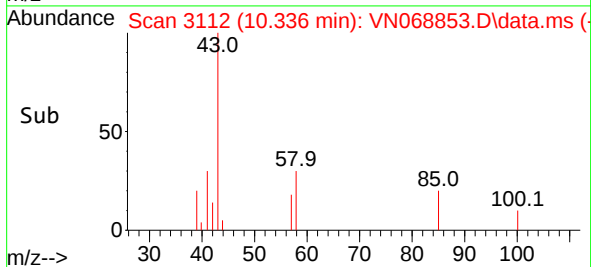
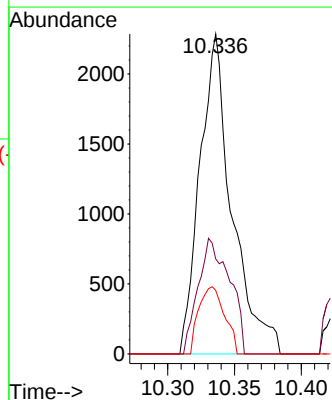
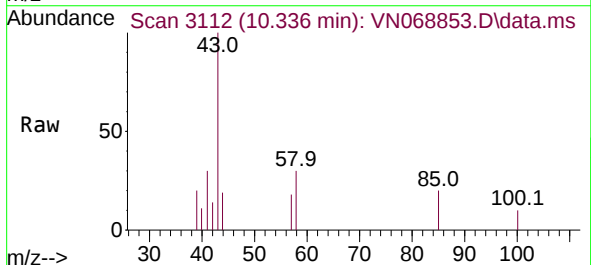
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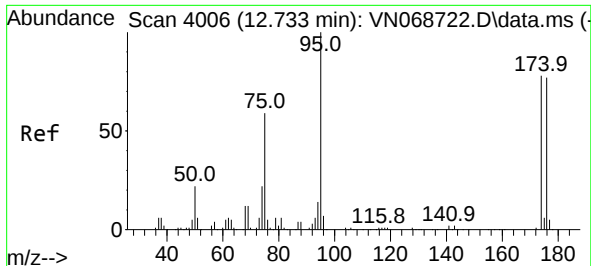
Tgt Ion:117 Resp: 268746
Ion Ratio Lower Upper
117 100
82 54.8 43.6 65.4
119 31.8 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.841 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.006 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

Tgt Ion: 43 Resp: 3814
Ion Ratio Lower Upper
43 100
58 22.8 30.0 45.0#
85 16.9 15.0 22.6

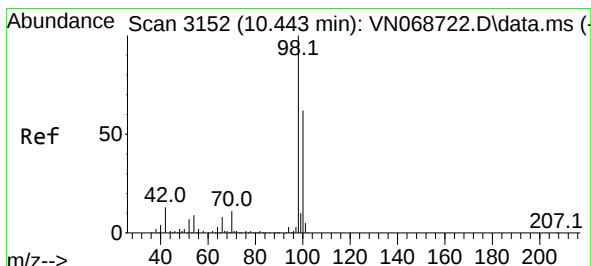
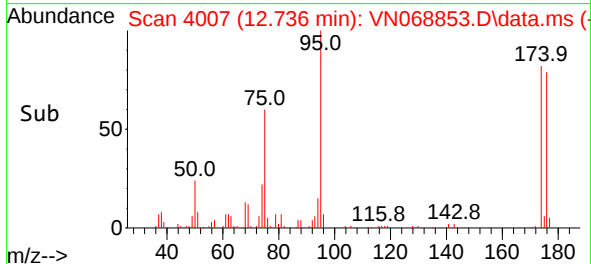
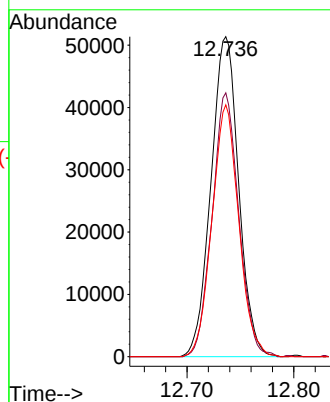
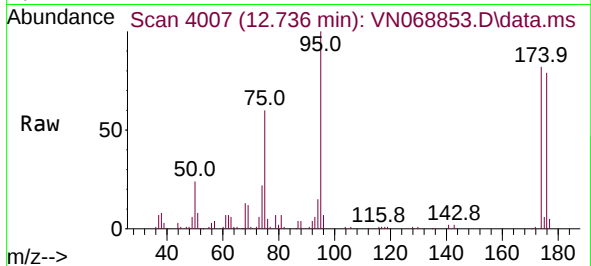




#60
4-Bromofluorobenzene
Concen: 22.052 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

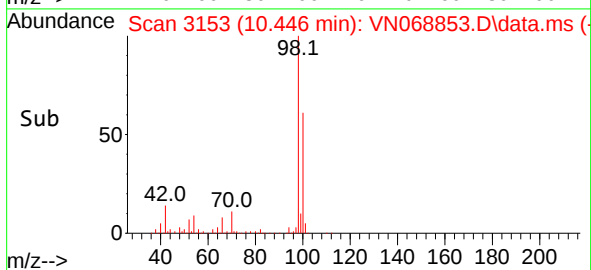
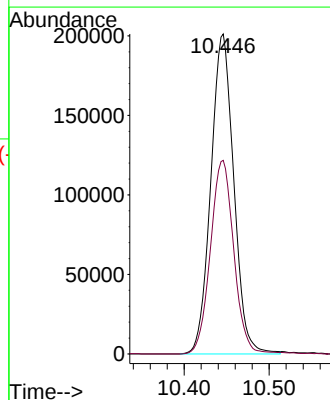
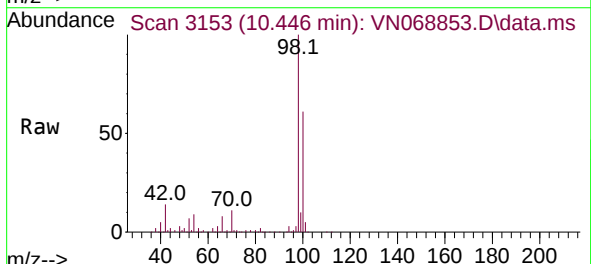
Instrument :
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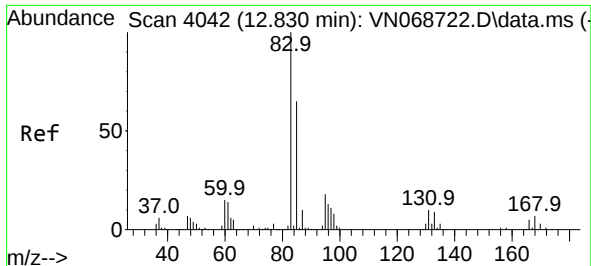
Tgt Ion: 95 Resp: 92581
Ion Ratio Lower Upper
95 100
174 79.1 62.9 94.3
176 76.0 61.0 91.4



#63
Toluene-d8
Concen: 31.075 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

Tgt Ion: 98 Resp: 377483
Ion Ratio Lower Upper
98 100
100 61.7 50.6 76.0

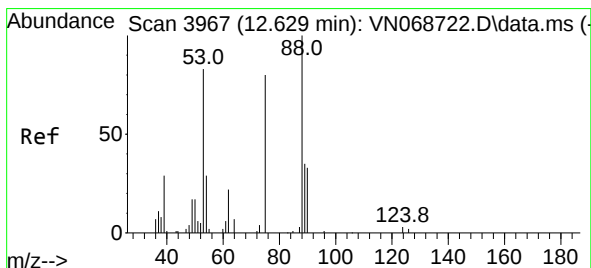
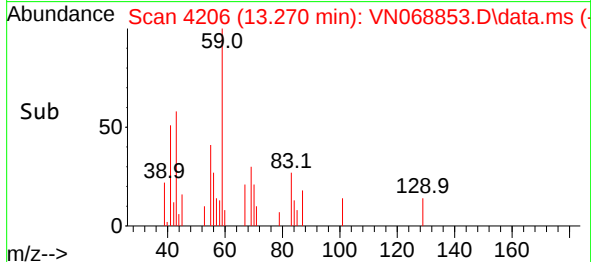
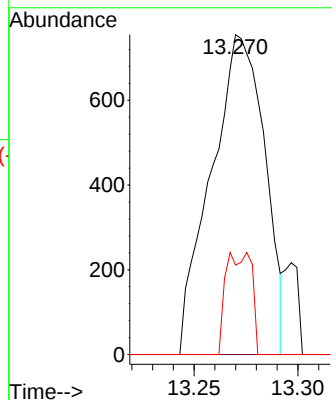
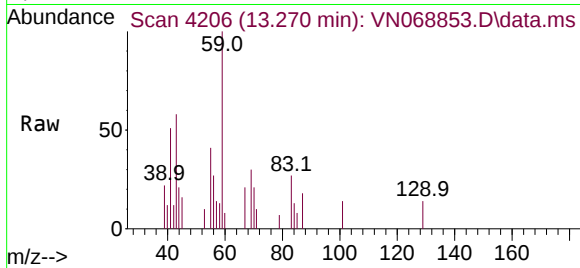




#71
1,1,2,2-Tetrachloroethane
Concen: 0.264 ug/l
RT: 13.270 min Scan# 4206
Delta R.T. 0.440 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

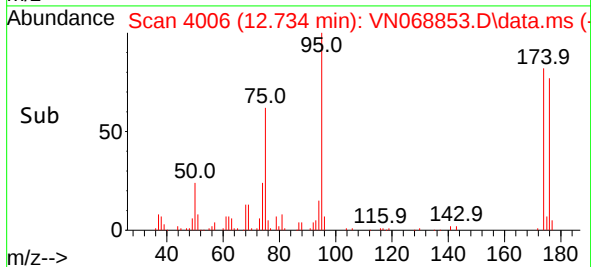
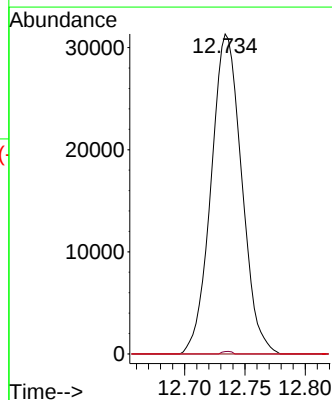
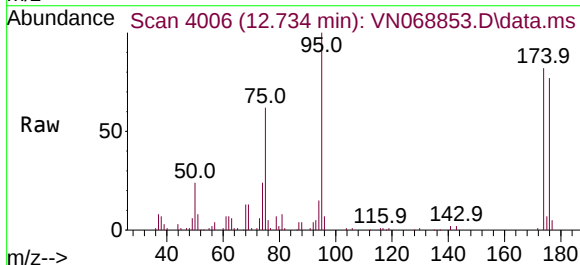
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(OCT)

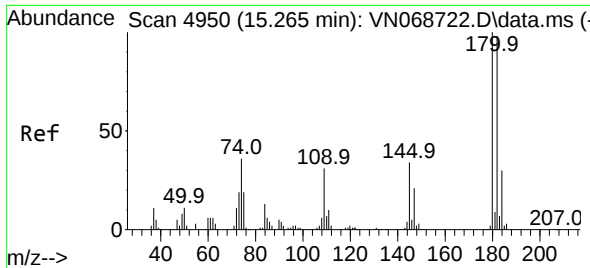
Tgt Ion: 83 Resp: 1357
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 7.5 33.1 99.2#



#77
t-1,4-Dichloro-2-butene
Concen: 33.981 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

Tgt Ion: 75 Resp: 55219
Ion Ratio Lower Upper
75 100
53 0.7 51.8 155.5#
89 0.0 22.9 68.7#

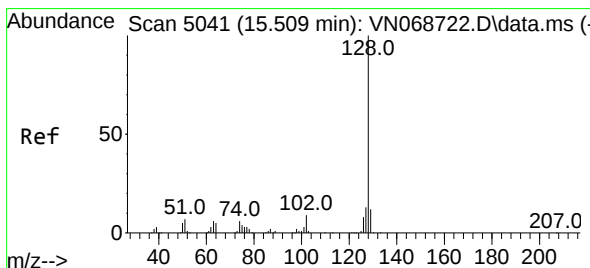
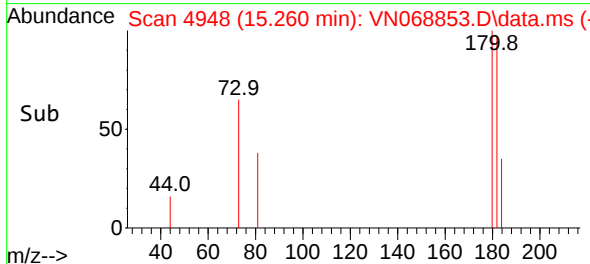
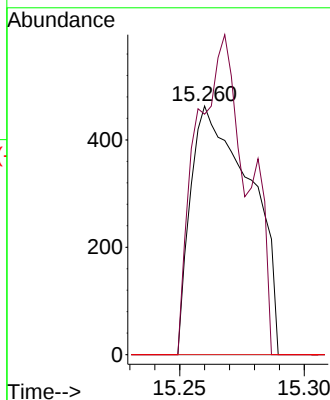
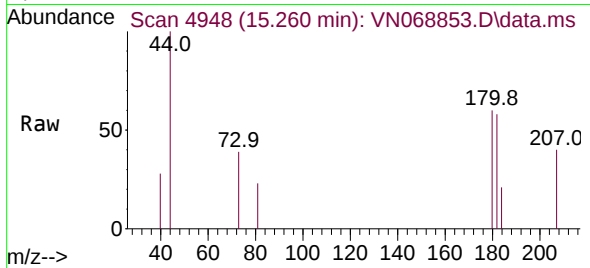




#89
1,2,4-Trichlorobenzene
Concen: 0.222 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

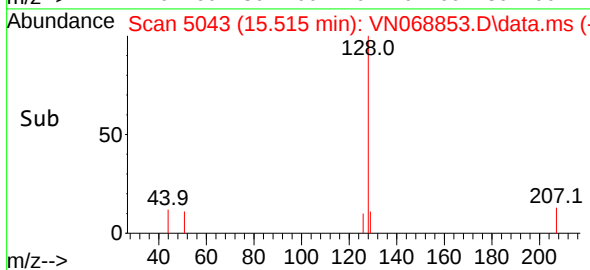
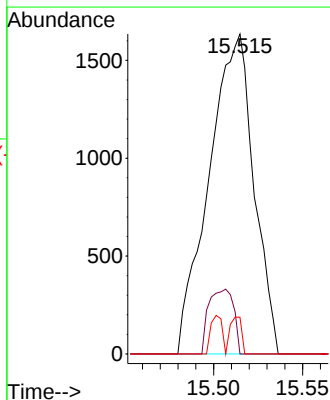
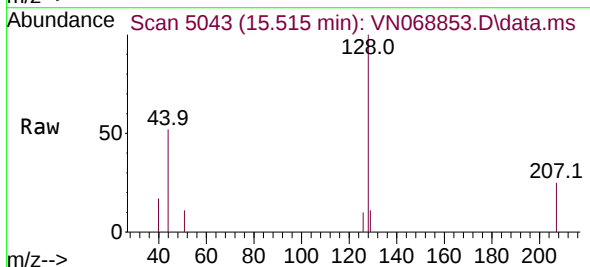
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(OCT)

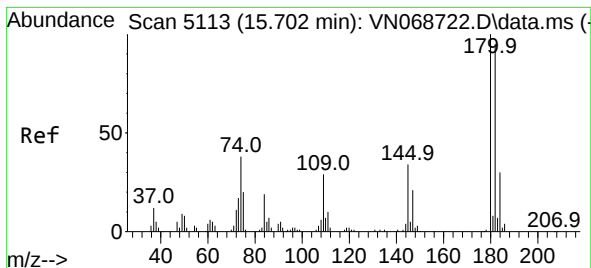
Tgt Ion:180 Resp: 772
Ion Ratio Lower Upper
180 100
182 31.3 77.7 116.5#
145 0.0 26.6 39.8#



#91
Naphthalene
Concen: 0.291 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.006 min
Lab File: VN068853.D
Acq: 8 Oct 2021 17:19

Tgt Ion:128 Resp: 2860
Ion Ratio Lower Upper
128 100
127 11.2 10.7 16.1
129 3.0 9.0 13.6#





#92

1,2,3-Trichlorobenzene

Concen: 0.265 ug/l

RT: 15.703 min Scan# 5113

Delta R.T. 0.001 min

Lab File: VN068853.D

Acq: 8 Oct 2021 17:19

Tgt Ion:180 Resp: 886

Ion Ratio Lower Upper

180 100

182 37.8 0.0 190.0

145 9.5 0.0 67.8

