

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092521\
 Data File : VN068695.D
 Acq On : 26 Sep 2021 4:54
 Operator : JC/MD
 Sample : M3760-01 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Sep 27 07:24:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 27 07:10:18 2021
 Response via : Initial Calibration

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

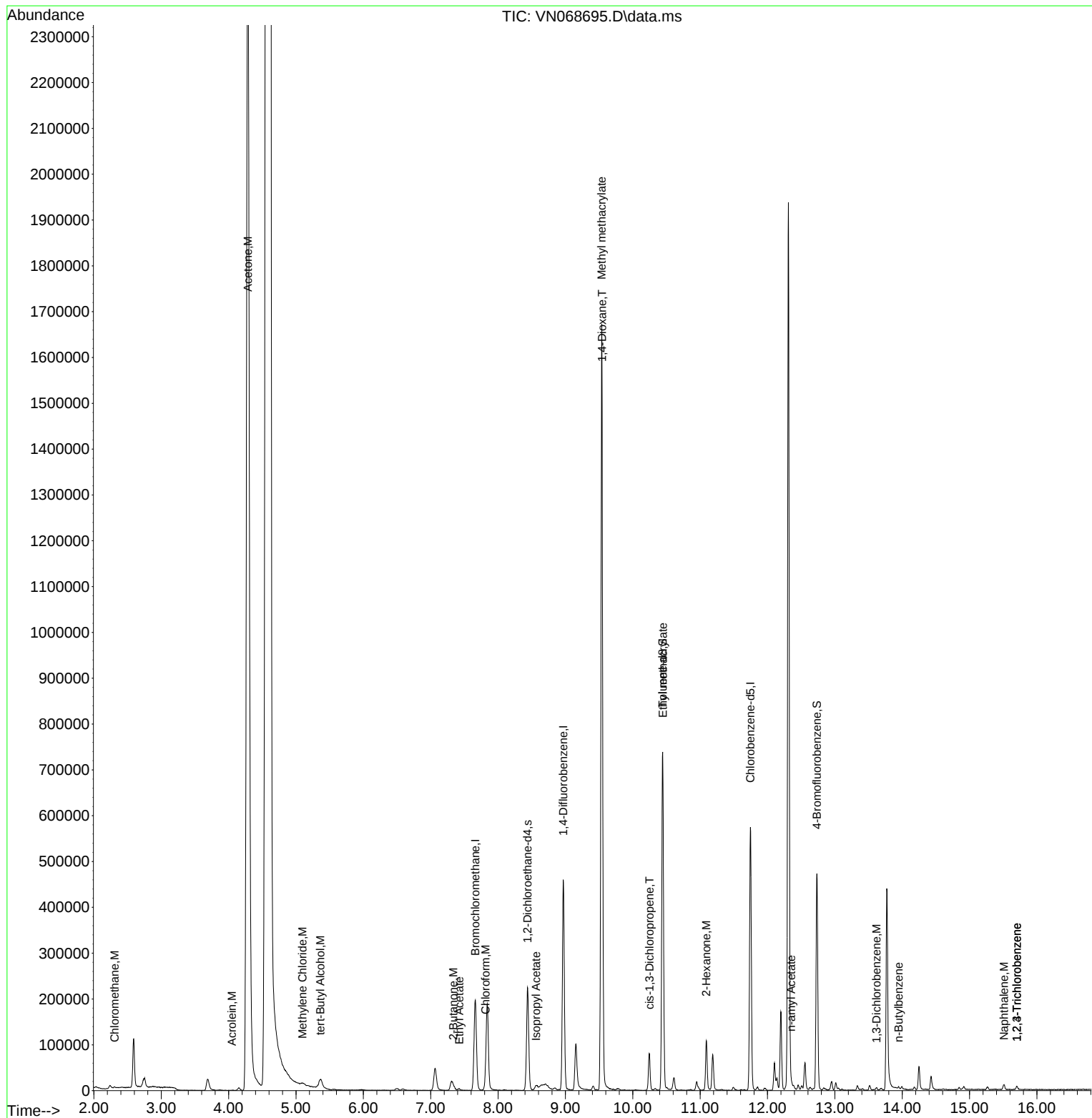
Internal Standards						
1) Bromochloromethane	7.662	128	68437	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	380247	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	330698	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	181214	32.208	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 107.367%	
60) 4-Bromofluorobenzene	12.733	95	161133	31.897	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 106.333%	
63) Toluene-d8	10.443	98	503520	34.404	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 114.667%#	
Target Compounds						Qvalue
3) Chloromethane	2.306	50	1351	0.270	ug/l	96
13) Acrolein	4.049	56	187	0.793	ug/l #	75
15) Acetone	4.285	58	1483082	2666.249	ug/l	93
18) Methylene Chloride	5.095	84	1020	0.235	ug/l #	89
23) tert-Butyl Alcohol	5.361	59	15719	20.845	ug/l #	100
25) Chloroform	7.815	83	23064	2.748	ug/l	96
30) 2-Butanone	7.337	43	3864	1.195	ug/l #	30
43) Ethyl Acetate	7.423	43	4163	0.584	ug/l #	74
44) Isopropyl Acetate	8.563	43	13998	1.127	ug/l #	80
45) 1,4-Dioxane	9.545	88	1611	20.115	ug/l #	1
46) Methyl methacrylate	9.539	41	27822	4.886	ug/l #	34
47) n-amyl Acetate	12.350	43	4956	0.440	ug/l #	54
49) cis-1,3-Dichloropropene	10.247	75	12451	1.425	ug/l #	73
51) Ethyl methacrylate	10.446	69	2044	0.212	ug/l	89
59) 2-Hexanone	11.092	43	23727	4.813	ug/l #	1
83) 1,3-Dichlorobenzene	13.618	146	1501	0.208	ug/l #	62
85) n-Butylbenzene	13.948	91	2910	0.239	ug/l	84
89) 1,2,4-Trichlorobenzene	15.702	180	2353	0.677	ug/l	99
91) Naphthalene	15.509	128	10047	1.054	ug/l #	95
92) 1,2,3-Trichlorobenzene	15.702	180	2353	0.704	ug/l	100

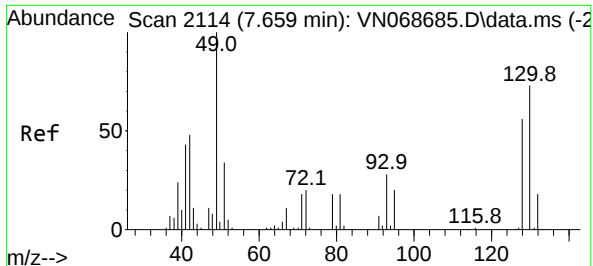
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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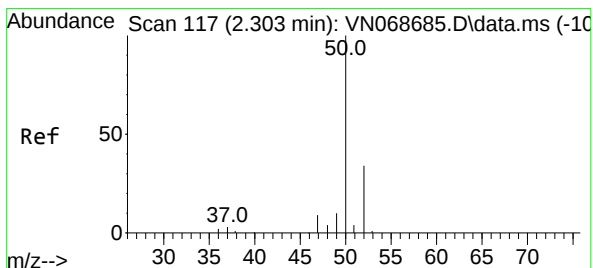
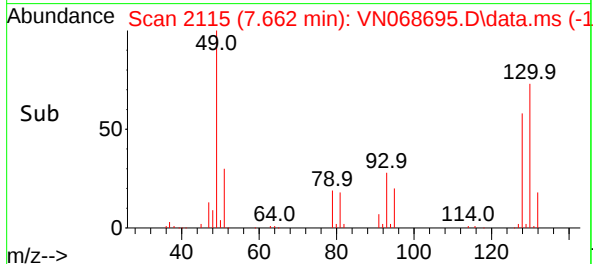
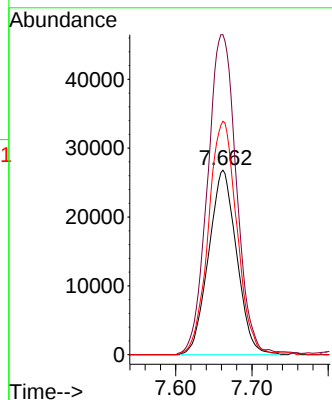
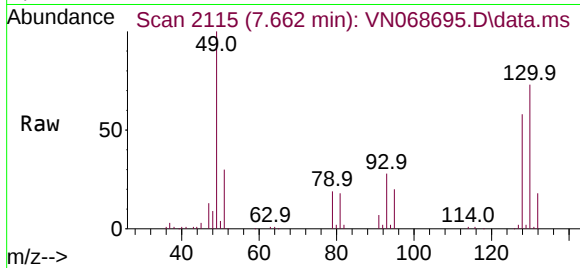




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

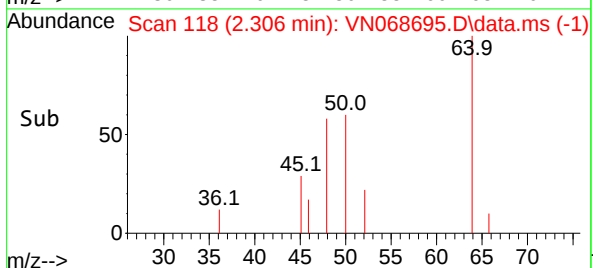
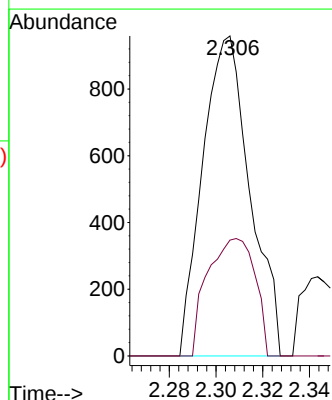
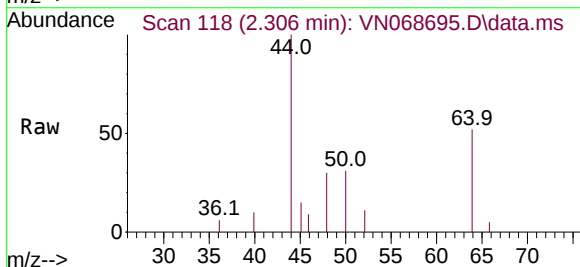
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

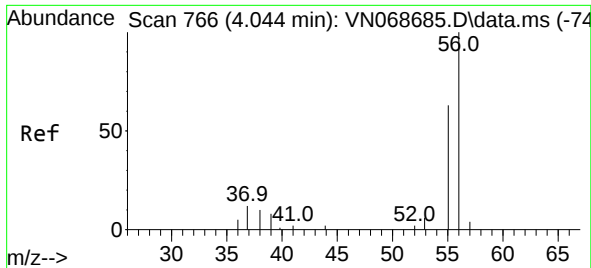
Tgt Ion:128 Resp: 68437
Ion Ratio Lower Upper
128 100
49 177.4 0.0 450.0
130 128.5 0.0 319.5



#3
Chloromethane
Concen: 0.270 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

Tgt Ion: 50 Resp: 1351
Ion Ratio Lower Upper
50 100
52 36.2 27.0 40.6

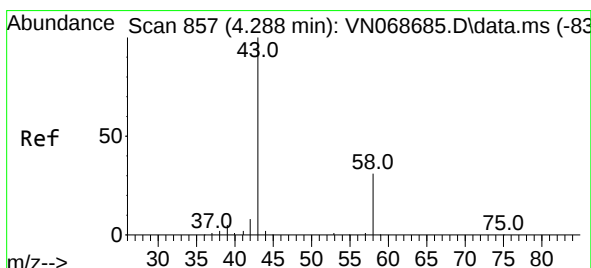
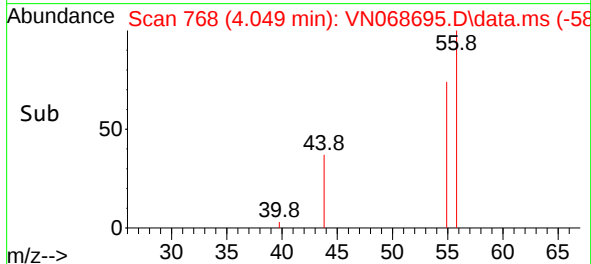
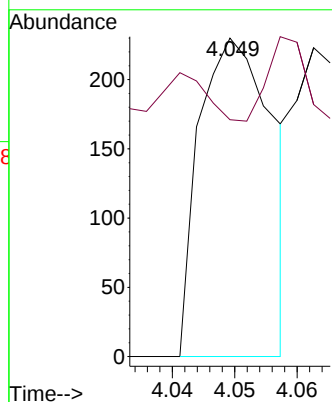
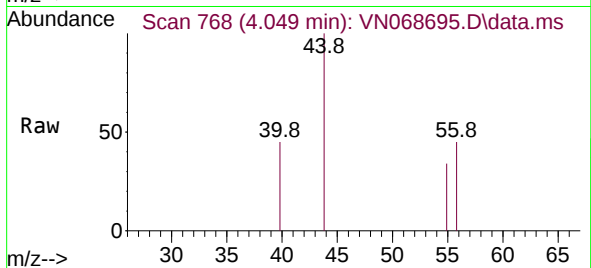




#13
Acrolein
Concen: 0.793 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.005 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

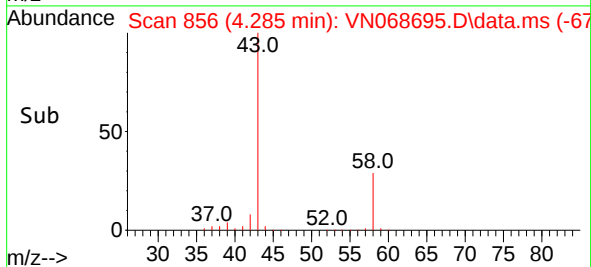
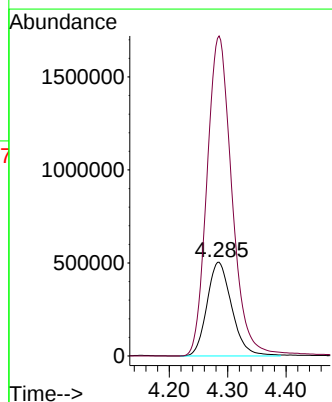
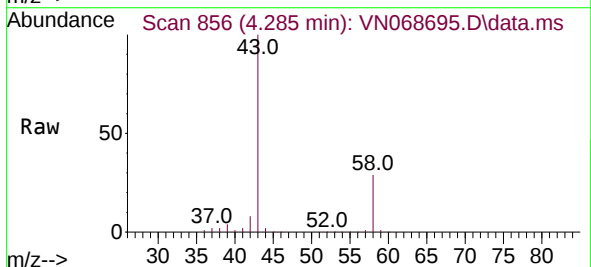
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

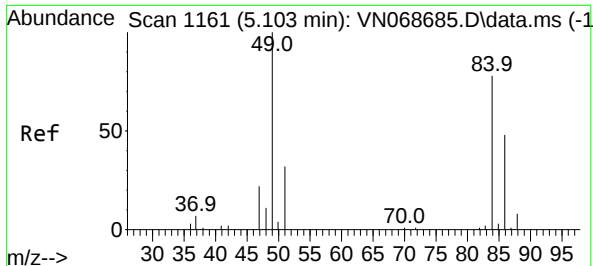
Tgt Ion: 56 Resp: 187
Ion Ratio Lower Upper
56 100
55 45.5 25.4 38.0#



#15
Acetone
Concen: 2666.249 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.003 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

Tgt Ion: 58 Resp: 1483082
Ion Ratio Lower Upper
58 100
43 341.1 261.0 391.4



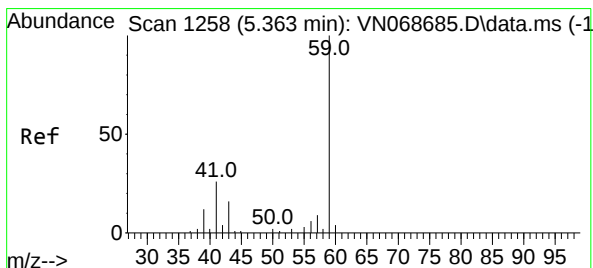
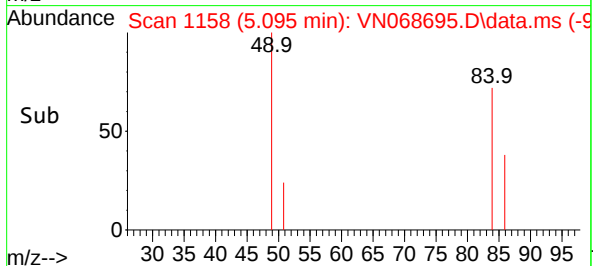
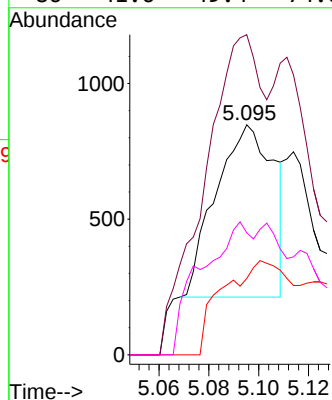
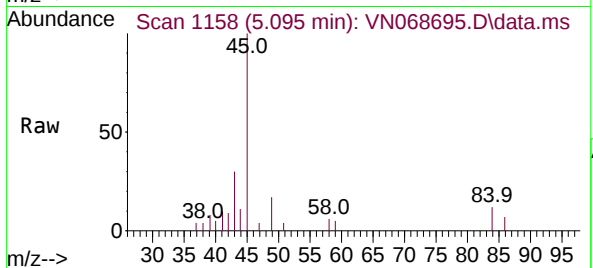


#18
Methylene Chloride
Concen: 0.235 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. -0.008 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

Instrument :
MSVOA_N
ClientSampled :
EFF-WW

Tgt Ion: 84 Resp: 1020

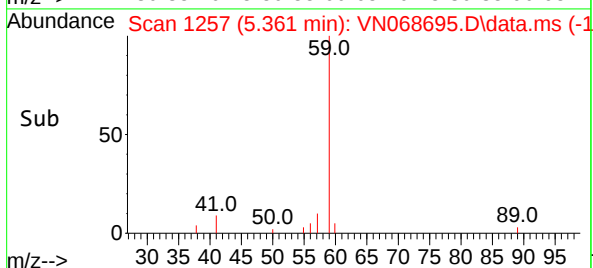
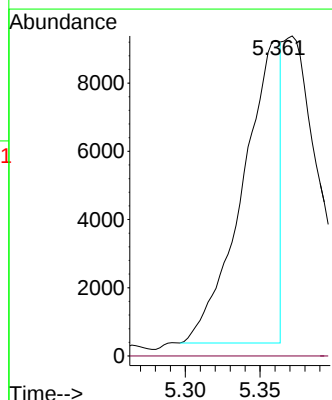
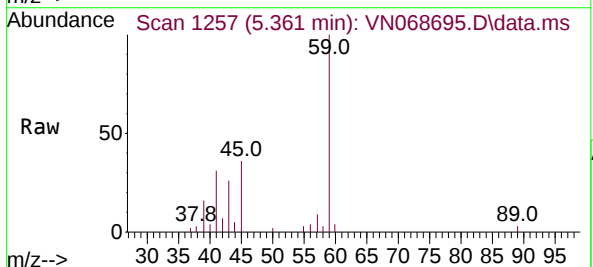
Ion	Ratio	Lower	Upper
84	100		
49	133.5	102.2	153.2
51	44.3	33.0	49.4
86	41.6	49.4	74.0

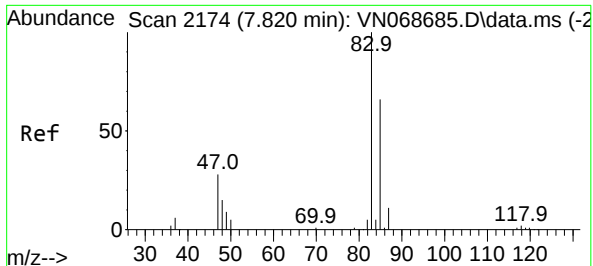


#23
tert-Butyl Alcohol
Concen: 20.845 ug/l
RT: 5.361 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

Tgt Ion: 59 Resp: 15719

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

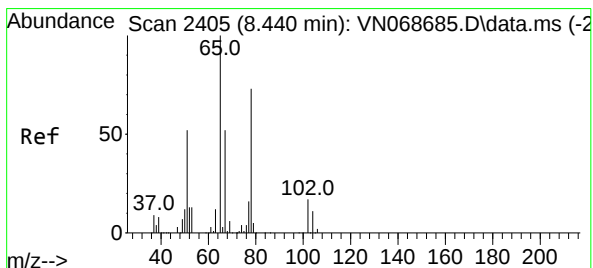
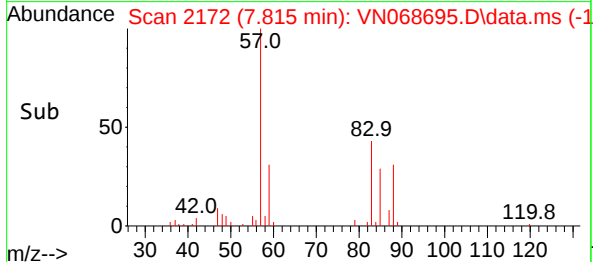
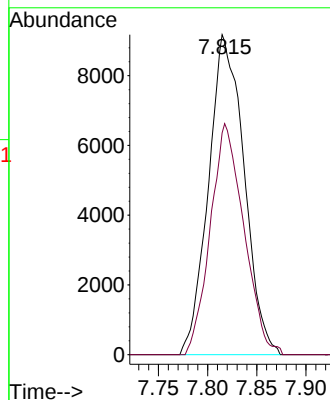
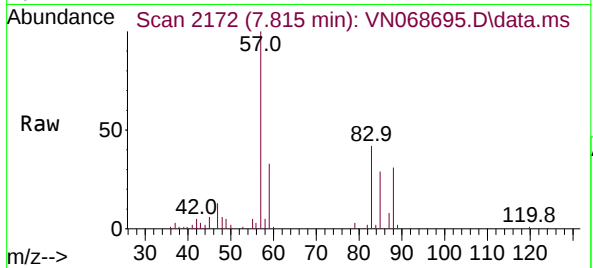




#25
Chloroform
Concen: 2.748 ug/l
RT: 7.815 min Scan# 2172
Delta R.T. -0.005 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

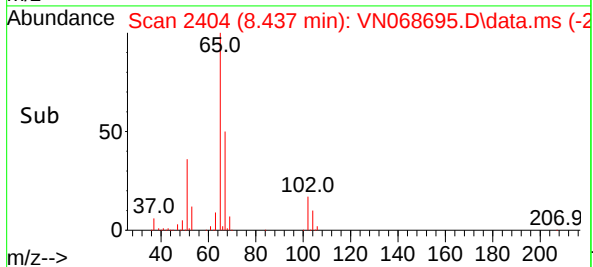
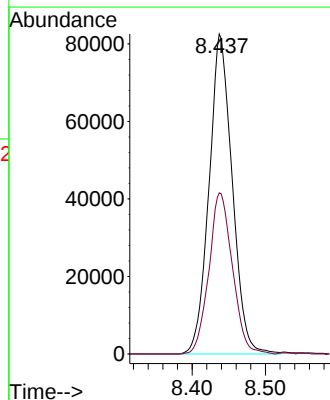
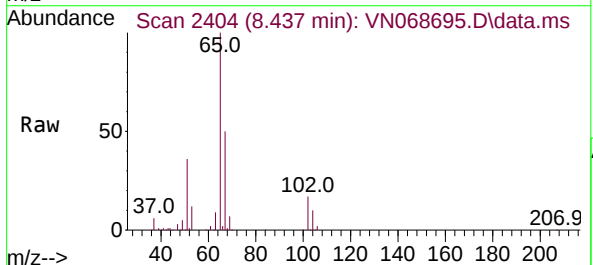
Instrument :
MSVOA_N
ClientSampled :
EFF-WW

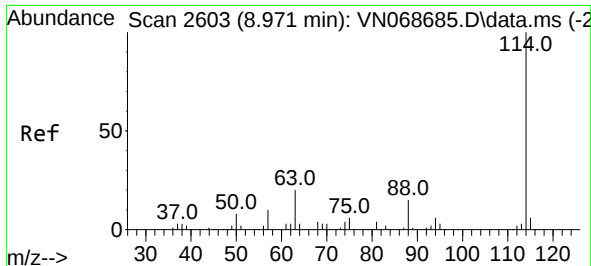
Tgt Ion: 83 Resp: 23064
Ion Ratio Lower Upper
83 100
85 69.3 52.9 79.3



#27
1,2-Dichloroethane-d4
Concen: 32.208 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

Tgt Ion: 65 Resp: 181214
Ion Ratio Lower Upper
65 100
67 51.1 41.0 61.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.003 min

Lab File: VN068695.D

Acq: 26 Sep 2021 4:54

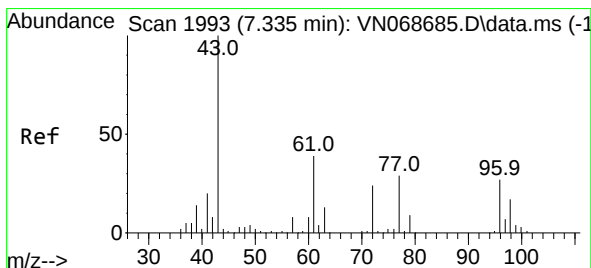
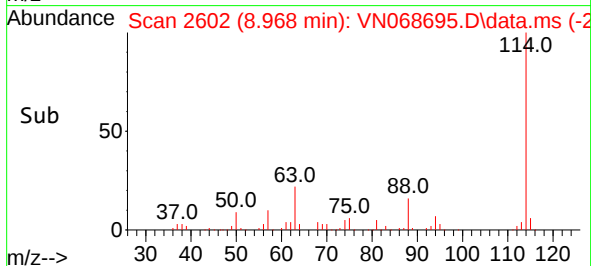
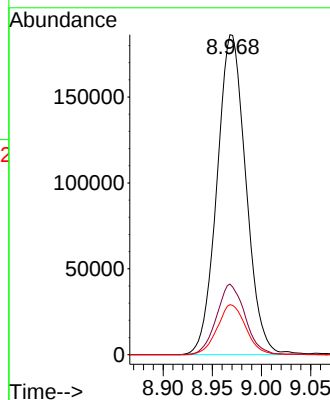
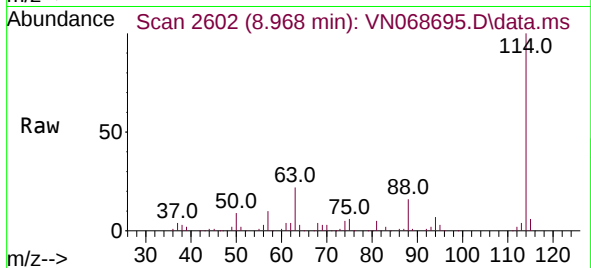
Tgt Ion: 114 Resp: 380247

Ion Ratio Lower Upper

114 100

63 21.8 17.1 25.7

88 15.5 12.2 18.4



#30

2-Butanone

Concen: 1.195 ug/l

RT: 7.337 min Scan# 1994

Delta R.T. 0.003 min

Lab File: VN068695.D

Acq: 26 Sep 2021 4:54

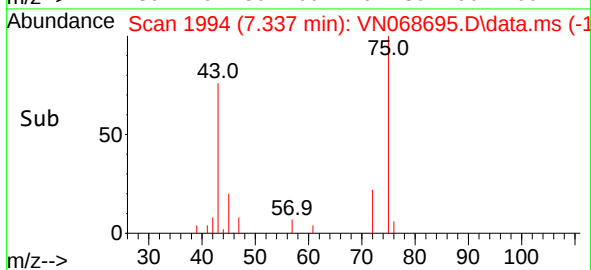
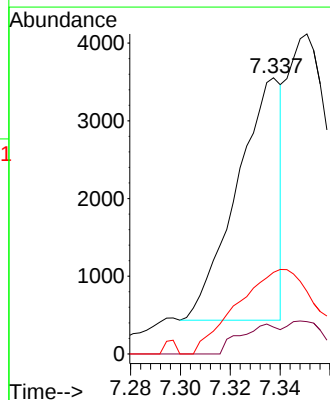
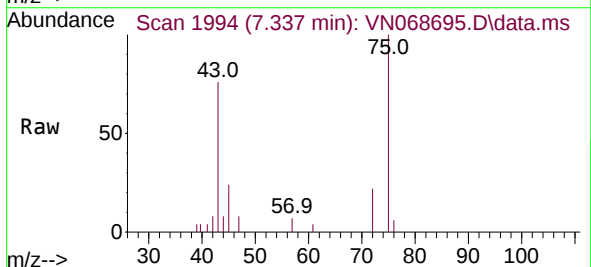
Tgt Ion: 43 Resp: 3864

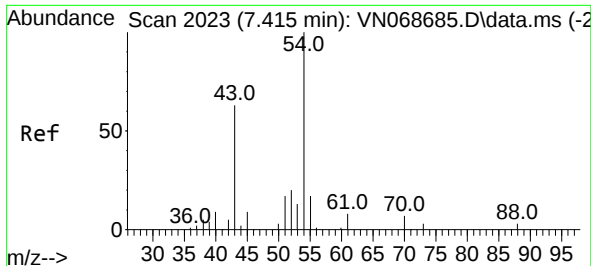
Ion Ratio Lower Upper

43 100

57 10.8 6.4 9.6#

72 69.6 19.6 29.4#

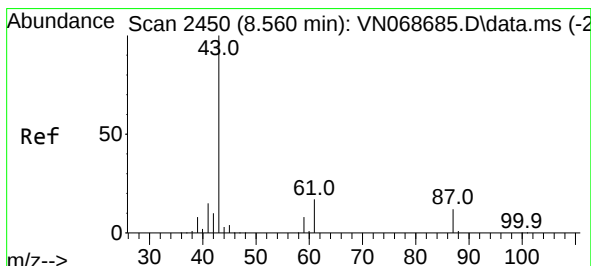
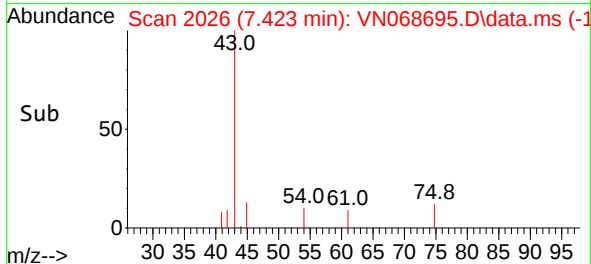
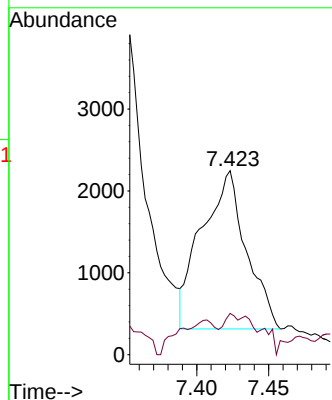
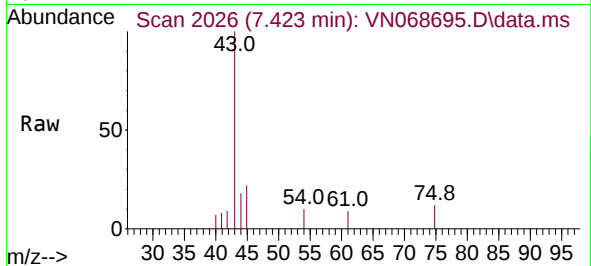




#43
Ethyl Acetate
Concen: 0.584 ug/l
RT: 7.423 min Scan# 2026
Delta R.T. 0.008 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

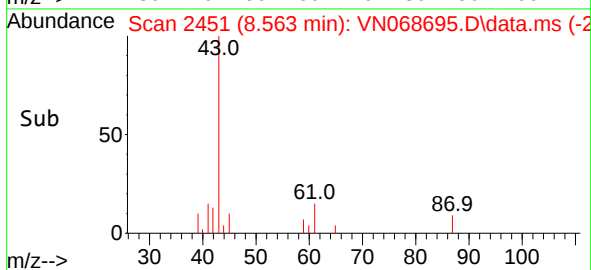
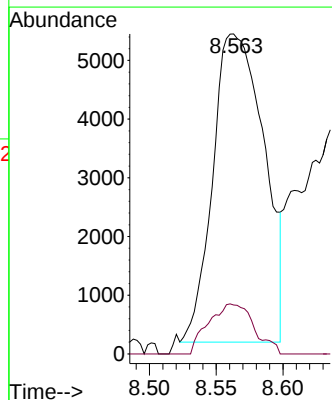
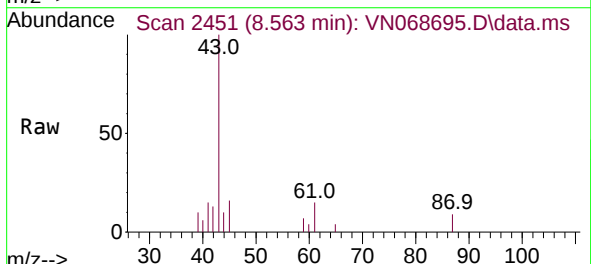
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EFF-WW

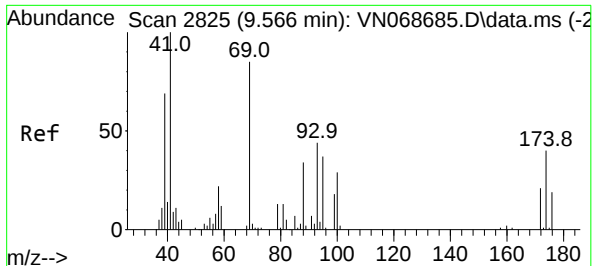
Tgt Ion: 43 Resp: 4163
Ion Ratio Lower Upper
43 100
45 2.5 10.1 15.1#



#44
Isopropyl Acetate
Concen: 1.127 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

Tgt Ion: 43 Resp: 13998
Ion Ratio Lower Upper
43 100
61 13.5 18.5 27.7#

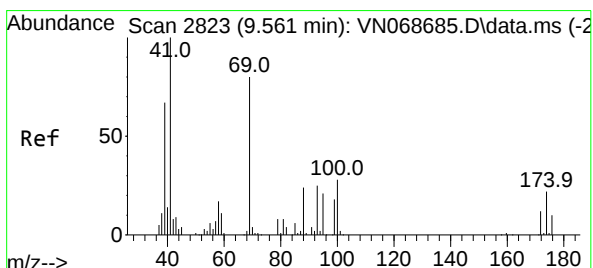
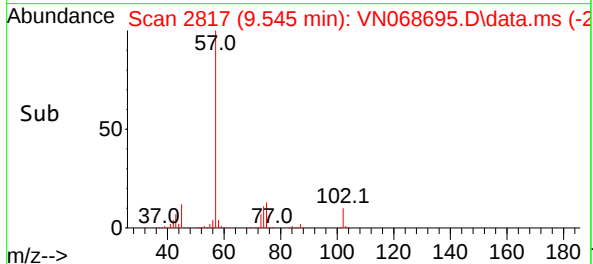
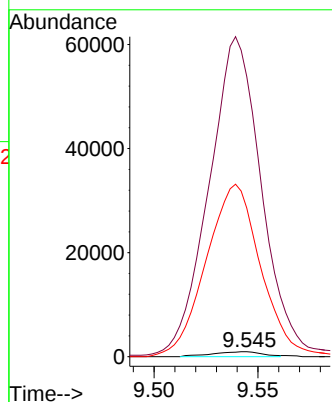
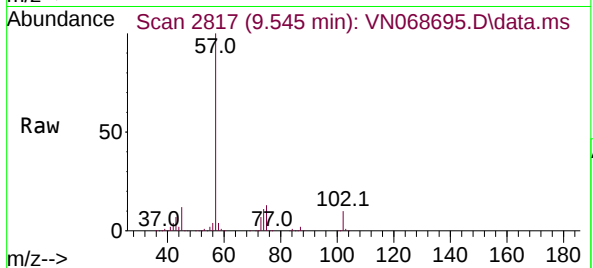




#45
1,4-Dioxane
Concen: 20.115 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.021 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

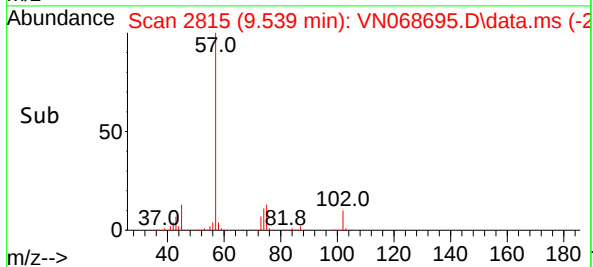
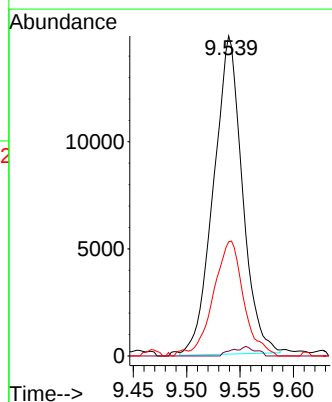
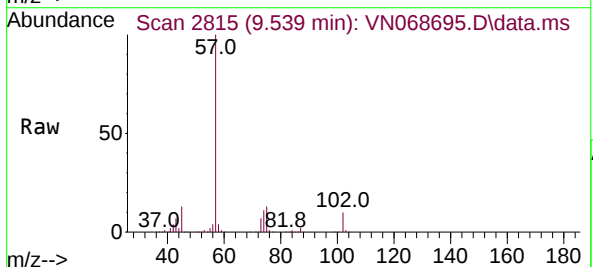
Instrument :
MSVOA_N
ClientSampled :
EFF-WW

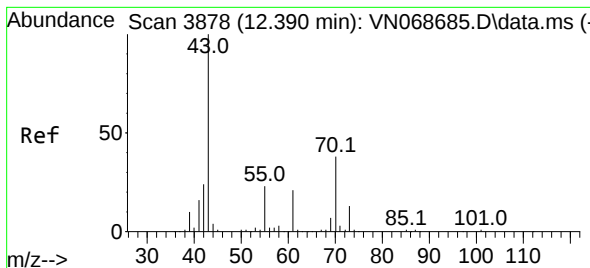
Tgt Ion: 88 Resp: 1611
Ion Ratio Lower Upper
88 100
43 6685.4 27.3 40.9#
58 3777.8 55.0 82.6#



#46
Methyl methacrylate
Concen: 4.886 ug/l
RT: 9.539 min Scan# 2815
Delta R.T. -0.021 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

Tgt Ion: 41 Resp: 27822
Ion Ratio Lower Upper
41 100
69 1.5 39.6 118.8#
39 36.1 34.0 102.0

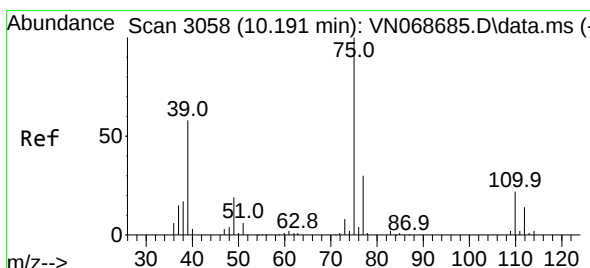
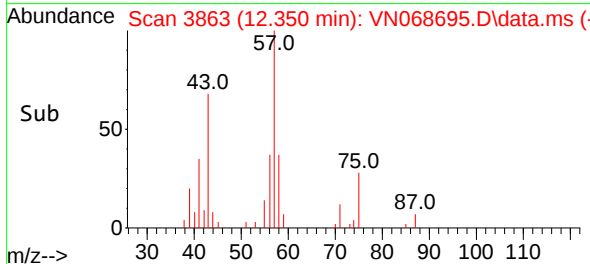
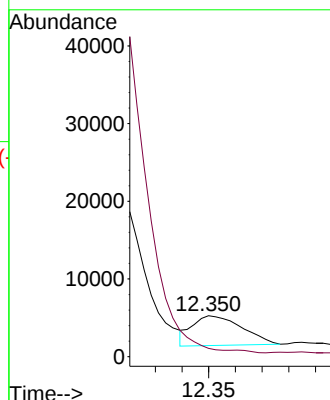
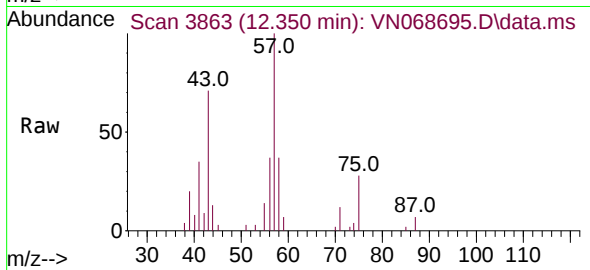




#47
n-amy1 Acetate
Concen: 0.440 ug/l
RT: 12.350 min Scan# 3863
Delta R.T. -0.040 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

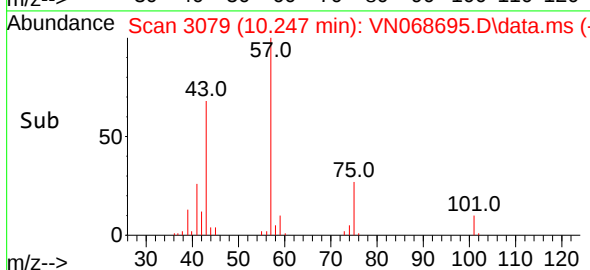
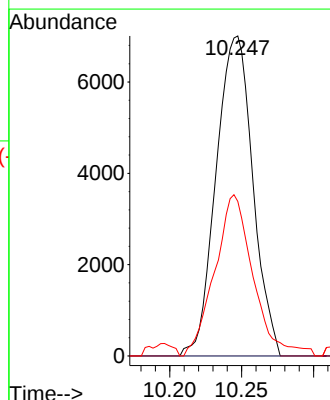
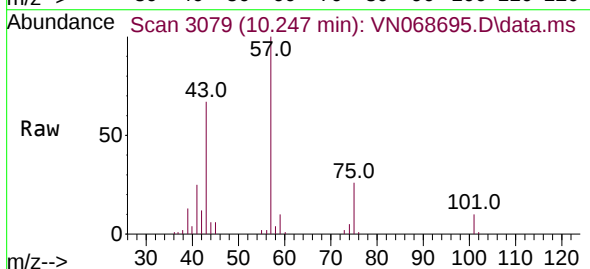
Instrument :
MSVOA_N
ClientSampled :
EFF-WW

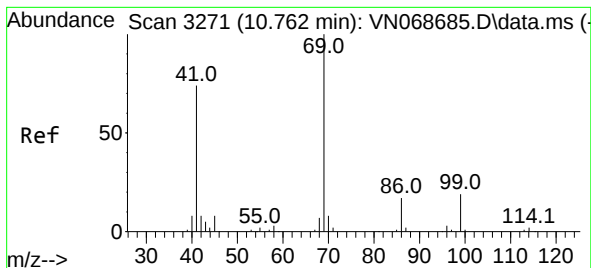
Tgt Ion: 43 Resp: 4956
Ion Ratio Lower Upper
43 100
55 0.7 18.6 27.8#



#49
cis-1,3-Dichloropropene
Concen: 1.425 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

Tgt Ion: 75 Resp: 12451
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.4#
39 48.3 46.2 69.2





#51

Ethyl methacrylate

Concen: 0.212 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. -0.316 min

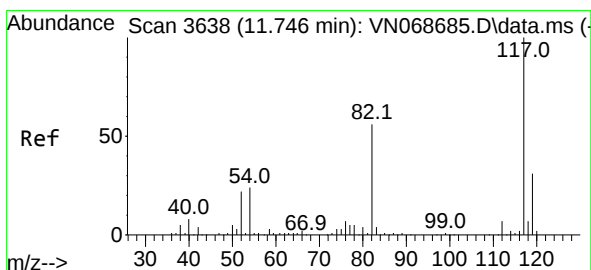
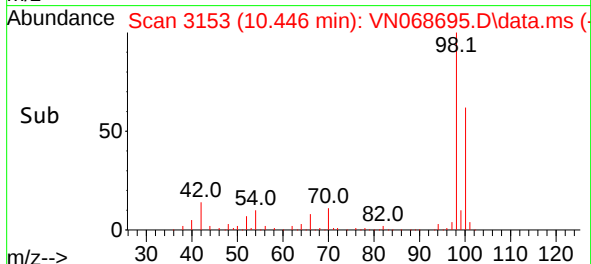
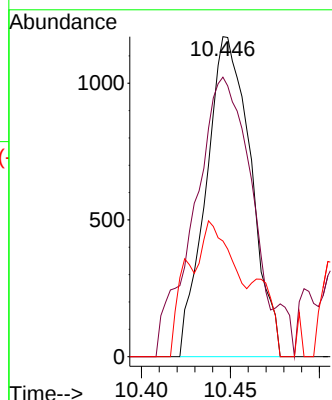
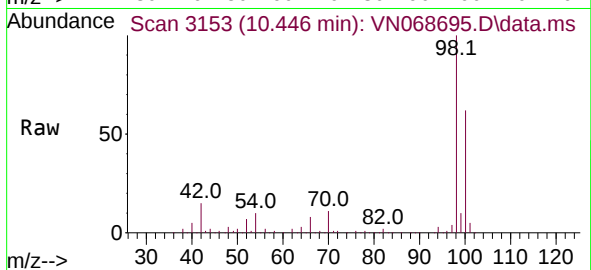
Lab File: VN068695.D

Acq: 26 Sep 2021 4:54

Tgt Ion: 69 Resp: 2044

Ion	Ratio	Lower	Upper
69	100		
41	70.9	37.0	111.1
39	36.2	25.1	75.4

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.746 min Scan# 3638

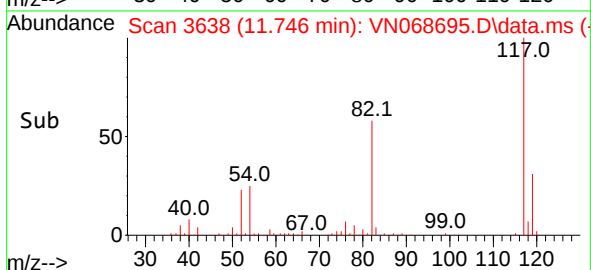
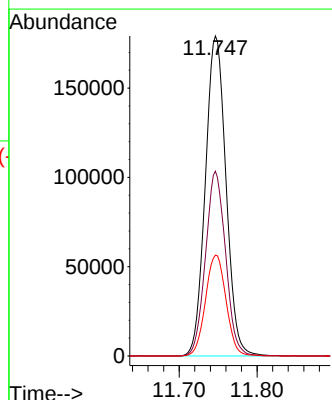
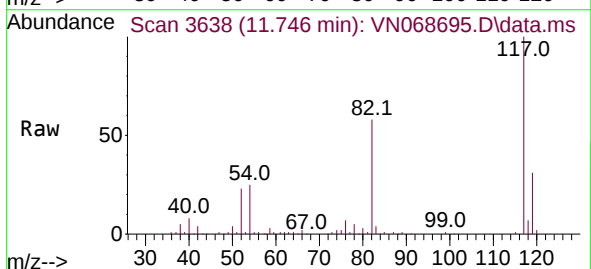
Delta R.T. 0.000 min

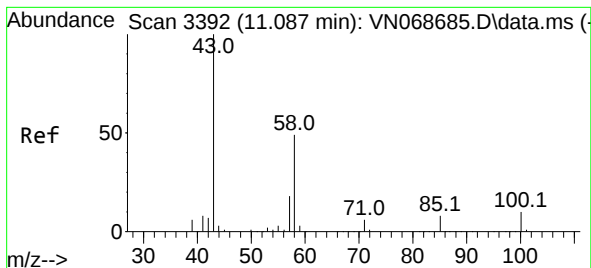
Lab File: VN068695.D

Acq: 26 Sep 2021 4:54

Tgt Ion: 117 Resp: 330698

Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.6	66.8
119	31.4	25.7	38.5

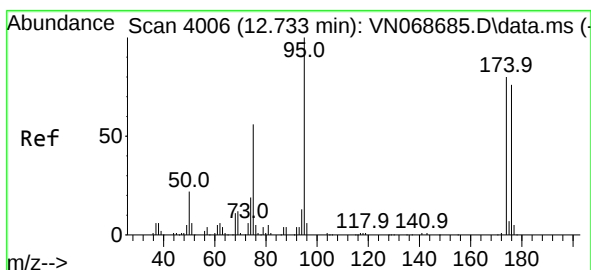
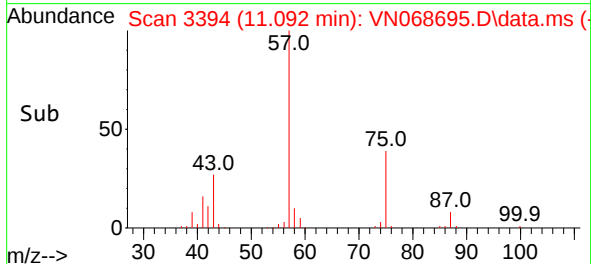
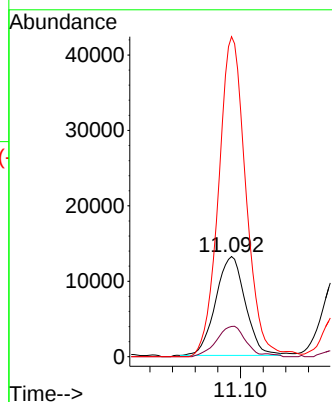
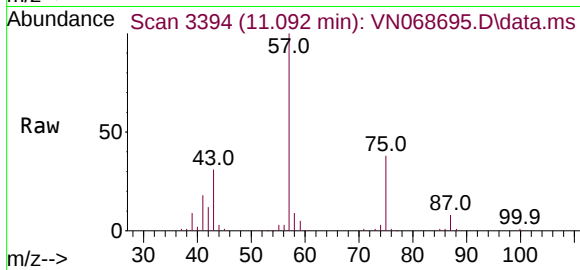




#59
2-Hexanone
Concen: 4.813 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

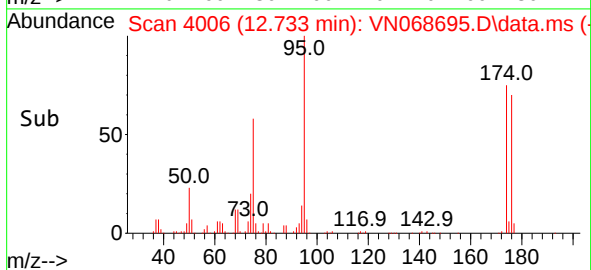
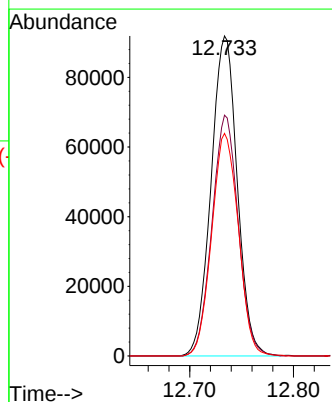
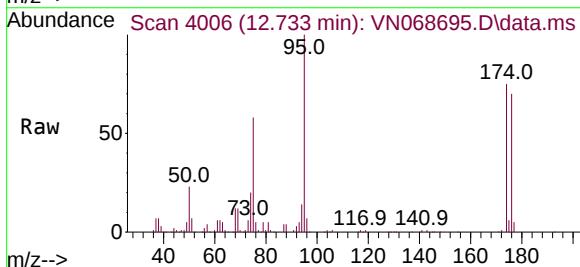
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

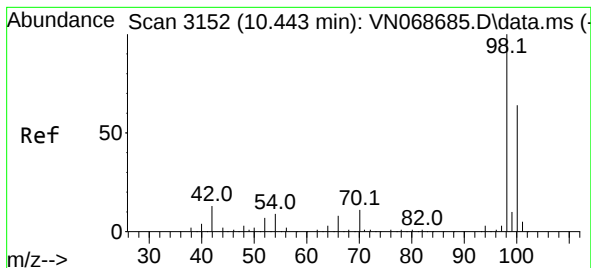
Tgt Ion: 43 Resp: 23727
Ion Ratio Lower Upper
43 100
58 29.8 39.5 59.3#
57 297.7 14.3 21.5#



#60
4-Bromofluorobenzene
Concen: 31.897 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

Tgt Ion: 95 Resp: 161133
Ion Ratio Lower Upper
95 100
174 75.2 63.0 94.6
176 70.8 60.6 90.8

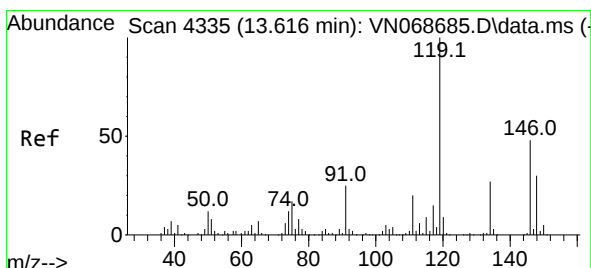
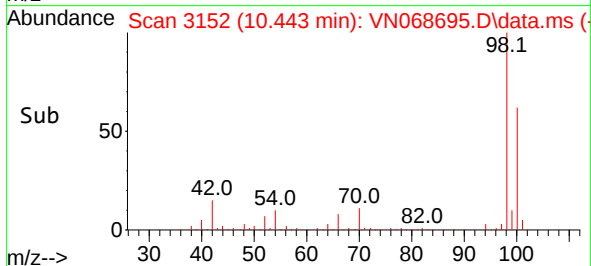
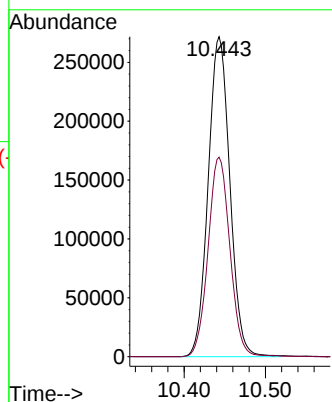
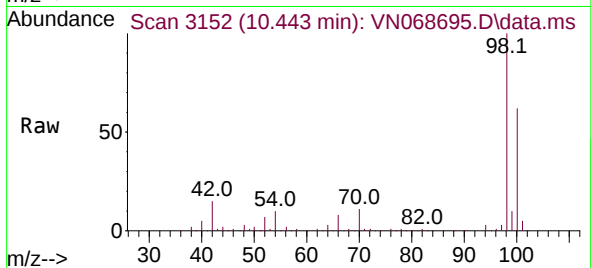




#63
Toluene-d8
Concen: 34.404 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

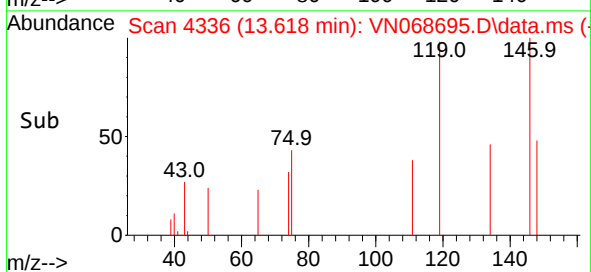
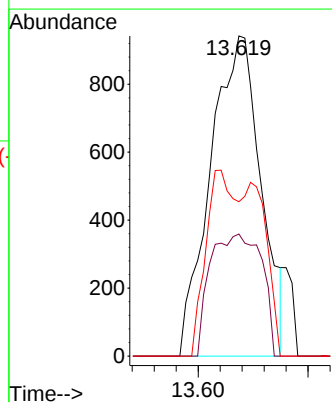
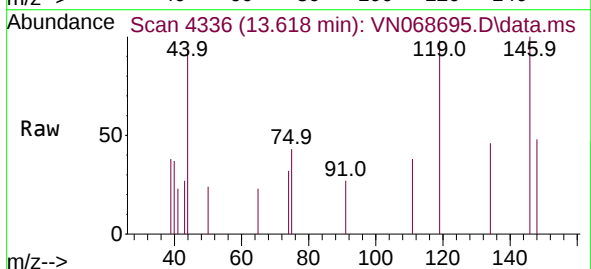
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

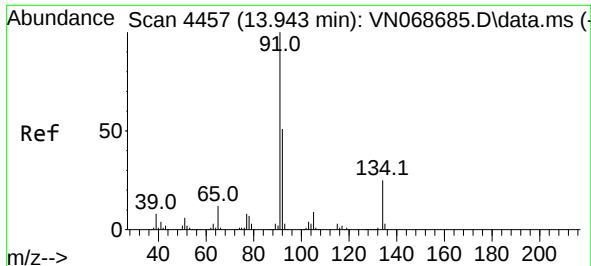
Tgt Ion: 98 Resp: 503520
Ion Ratio Lower Upper
98 100
100 62.6 51.4 77.2



#83
1,3-Dichlorobenzene
Concen: 0.208 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. 0.003 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

Tgt Ion:146 Resp: 1501
Ion Ratio Lower Upper
146 100
111 15.5 20.4 61.3#
148 35.6 31.8 95.3

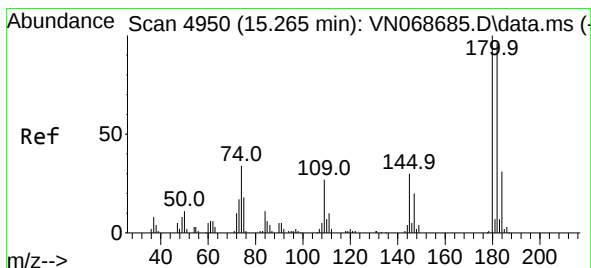
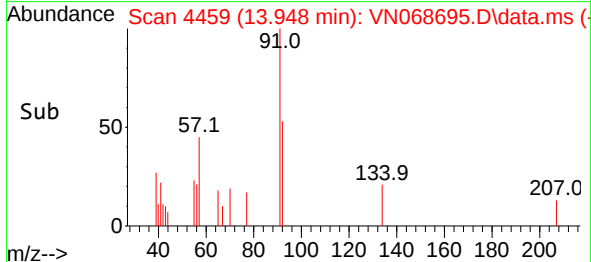
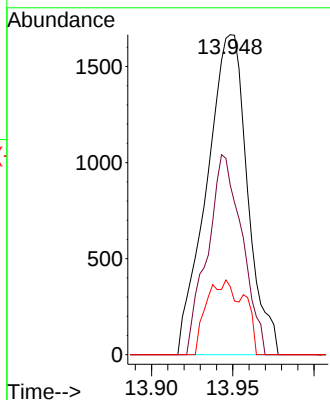
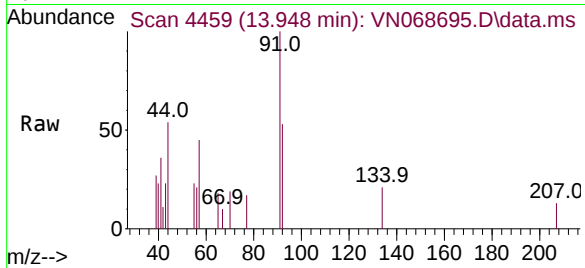




#85
n-Butylbenzene
Concen: 0.239 ug/l
RT: 13.948 min Scan# 4459
Delta R.T. 0.005 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

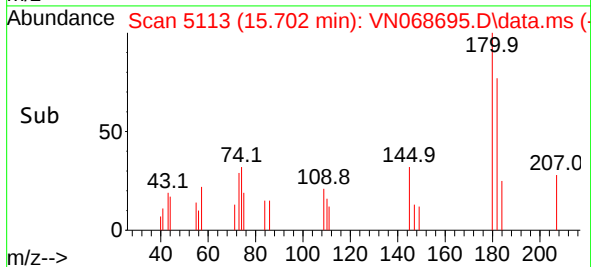
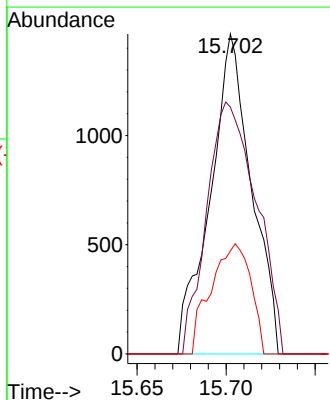
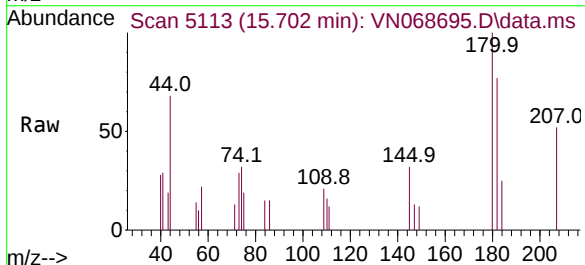
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

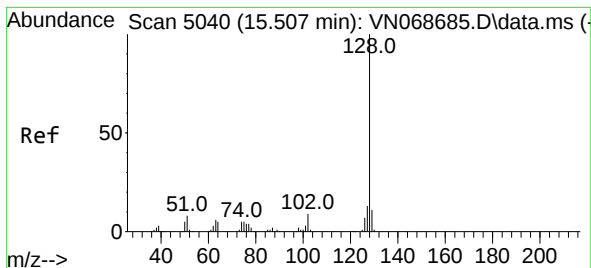
Tgt Ion:	91	Resp:	2910
Ion	Ratio	Lower	Upper
91	100		
92	53.1	0.0	101.6
134	3.4	0.0	49.6



#89
1,2,4-Trichlorobenzene
Concen: 0.677 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.437 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

Tgt Ion:	180	Resp:	2353
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.6	113.4
145	33.4	24.5	36.7

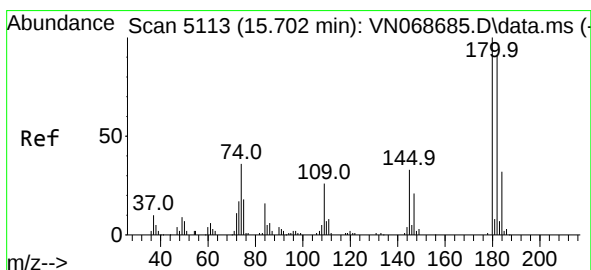
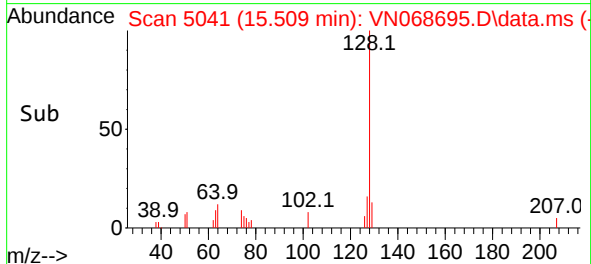
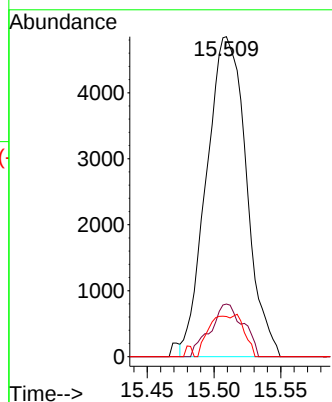
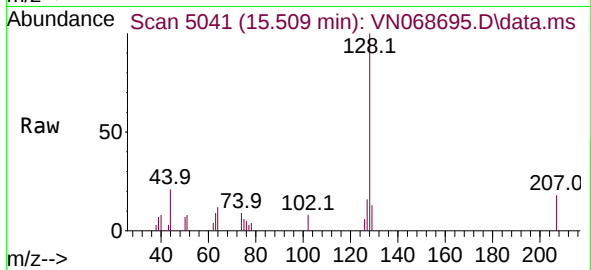




#91
Naphthalene
Concen: 1.054 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

Instrument :
MSVOA_N
ClientSampled :
EFF-WW

Tgt Ion:128 Resp: 10047
Ion Ratio Lower Upper
128 100
127 13.7 10.9 16.3
129 7.2 9.0 13.6#



#92
1,2,3-Trichlorobenzene
Concen: 0.704 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN068695.D
Acq: 26 Sep 2021 4:54

Tgt Ion:180 Resp: 2353
Ion Ratio Lower Upper
180 100
182 94.8 0.0 190.0
145 33.4 0.0 66.8

