

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090821\
 Data File : VN068434.D
 Acq On : 8 Sep 2021 12:25
 Operator : JC/MD
 Sample : M3664-02RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(SEP)RE

Quant Time: Sep 09 03:32:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 03 13:24:01 2021
 Response via : Initial Calibration

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

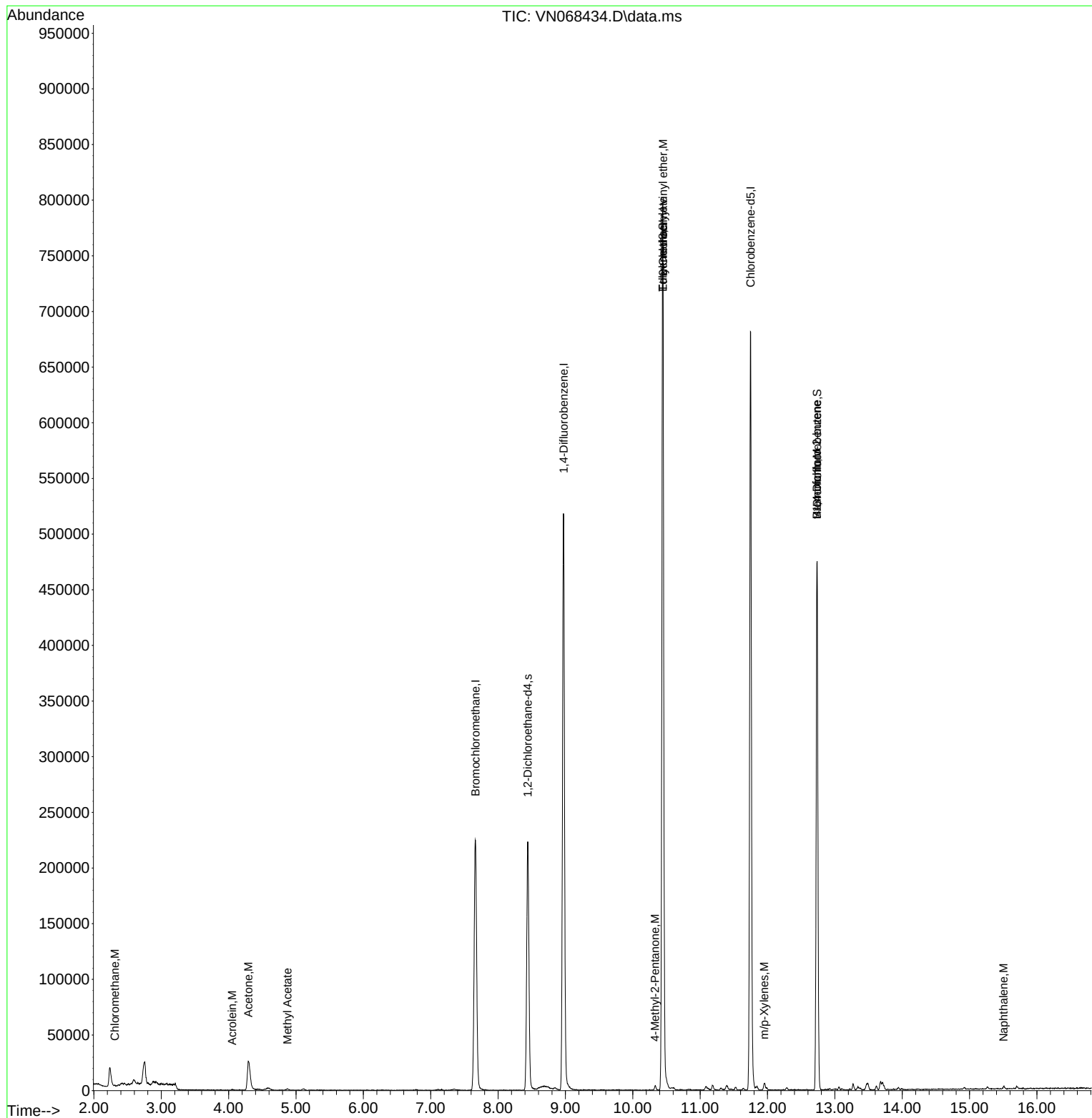
Internal Standards						
1) Bromochloromethane	7.665	128	94479	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.973	114	499463	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.749	117	427982	30.000	ug/l	# 0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	188571	33.666	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 112.233%#	
60) 4-Bromofluorobenzene	12.736	95	163896	27.042	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 90.133%	
63) Toluene-d8	10.446	98	592664	31.096	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.667%	
Target Compounds						
						Qvalue
3) Chloromethane	2.311	50	1050	0.243	ug/l	95
12) Methyl Acetate	4.873	43	2355	0.496	ug/l	93
13) Acrolein	4.052	56	164	0.386	ug/l	# 21
15) Acetone	4.293	58	6819	12.062	ug/l	74
51) Ethyl methacrylate	10.448	69	1729	0.240	ug/l	77
55) 2-Chloroethyl vinyl ether	10.451	63	487	46.757	ug/l	# 1
56) Bromoform	12.733	173	2063	0.399	ug/l	# 1
58) 4-Methyl-2-Pentanone	10.330	43	2260	0.454	ug/l	# 95
67) m/p-Xylenes	11.950	106	2527	0.244	ug/l	77
77) t-1,4-Dichloro-2-butene	12.733	75	82216	50.024	ug/l	# 6
91) Naphthalene	15.504	128	2870	0.210	ug/l	# 90

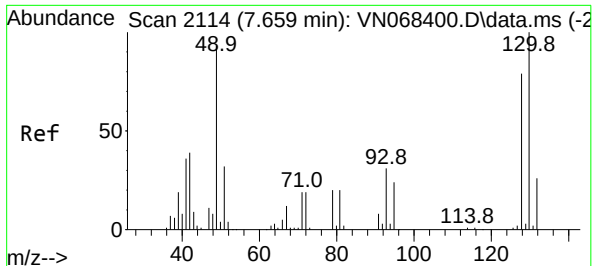
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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002-35TH-AVE(SEP)RE

Quant Time: Sep 09 03:32:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 03 13:24:01 2021
Response via : Initial Calibration

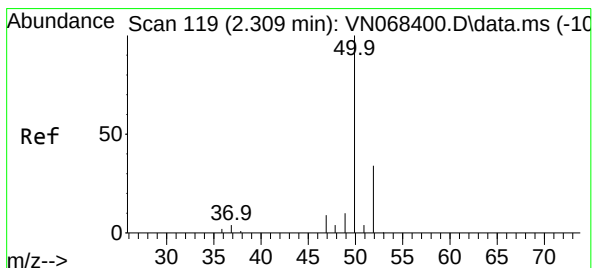
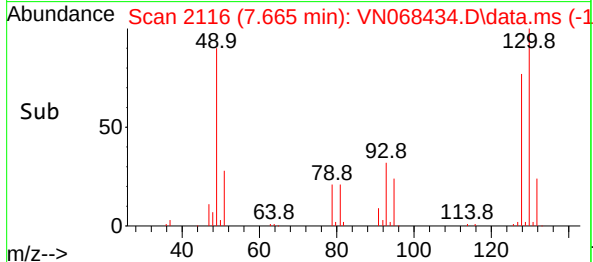
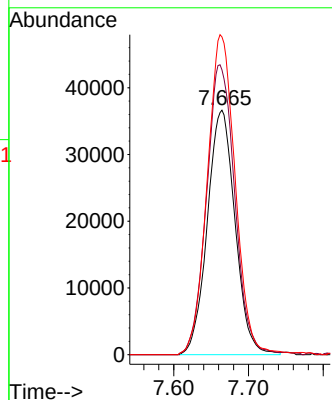
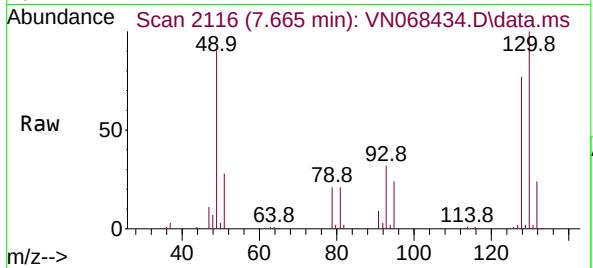




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.665 min Scan# 2116
Delta R.T. 0.006 min
Lab File: VN068434.D
Acq: 8 Sep 2021 12:25

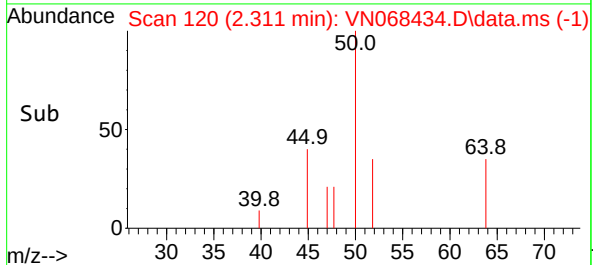
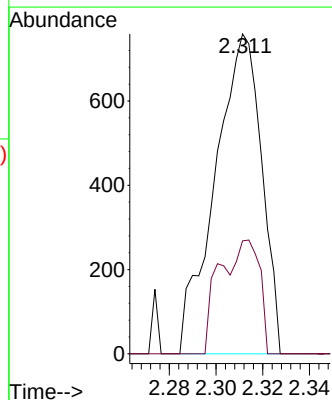
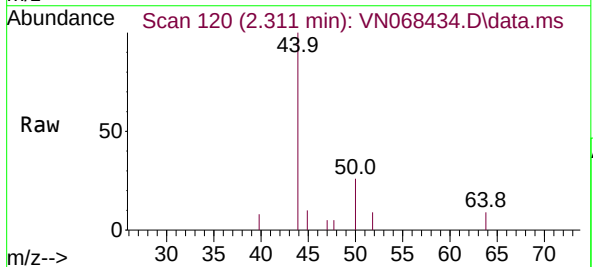
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(SEP)RE

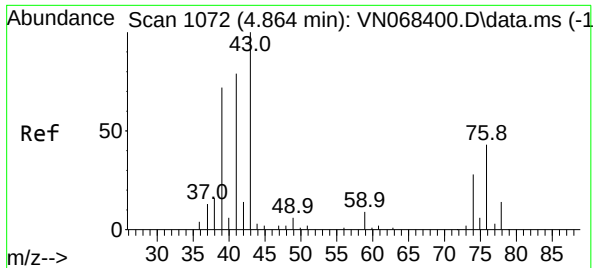
Tgt Ion:128 Resp: 94479
Ion Ratio Lower Upper
128 100
49 121.0 0.0 517.5
130 131.7 0.0 325.8



#3
Chloromethane
Concen: 0.243 ug/l
RT: 2.311 min Scan# 120
Delta R.T. 0.003 min
Lab File: VN068434.D
Acq: 8 Sep 2021 12:25

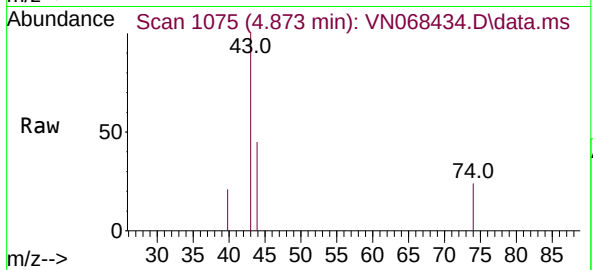
Tgt Ion: 50 Resp: 1050
Ion Ratio Lower Upper
50 100
52 35.3 26.0 39.0



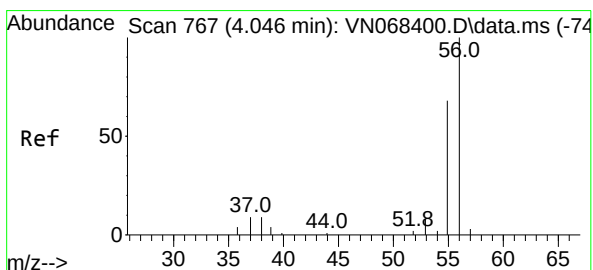
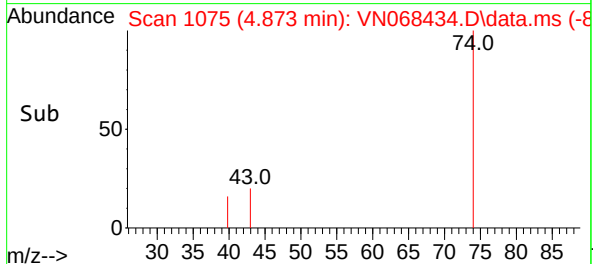
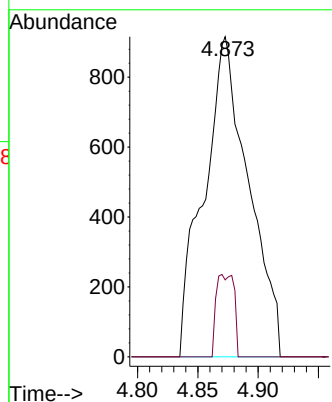


#12
Methyl Acetate
Concen: 0.496 ug/l
RT: 4.873 min Scan# 1075
Delta R.T. 0.008 min
Lab File: VN068434.D
Acq: 8 Sep 2021 12:25

Instrument :
MSVOA_N
ClientSampleId :
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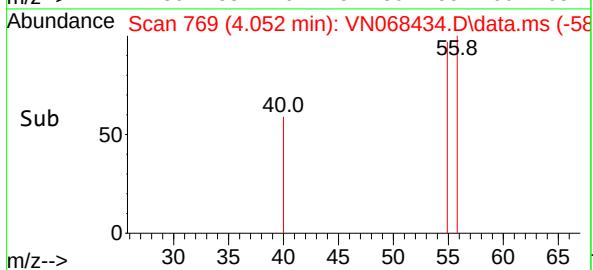
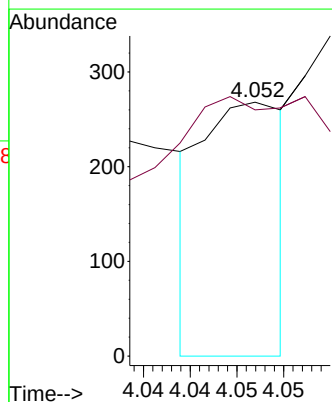
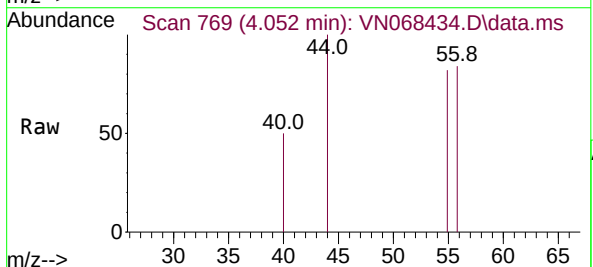


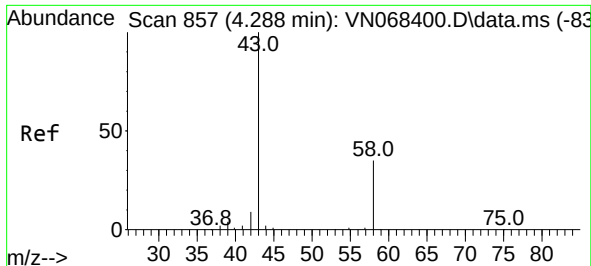
Tgt Ion: 43 Resp: 2355
Ion Ratio Lower Upper
43 100
74 24.0 16.6 25.0



#13
Acrolein
Concen: 0.386 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.005 min
Lab File: VN068434.D
Acq: 8 Sep 2021 12:25

Tgt Ion: 56 Resp: 164
Ion Ratio Lower Upper
56 100
55 137.8 57.5 86.3#

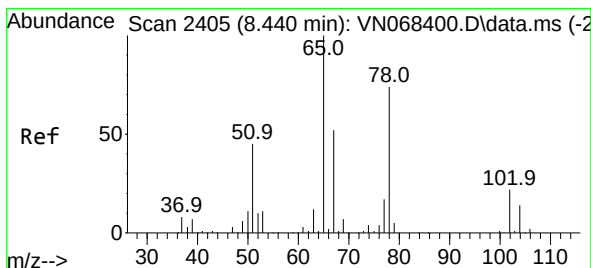
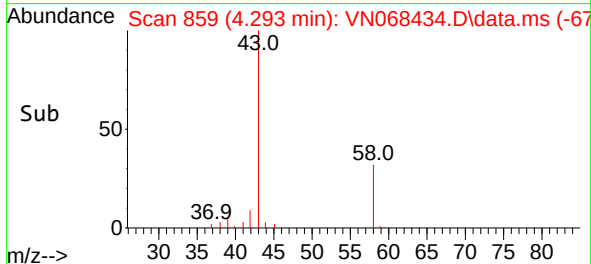
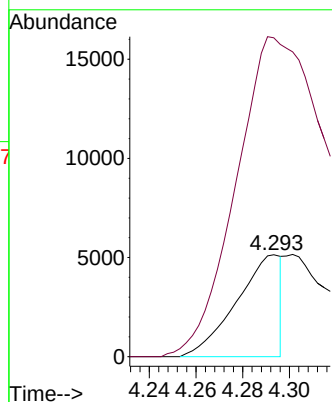
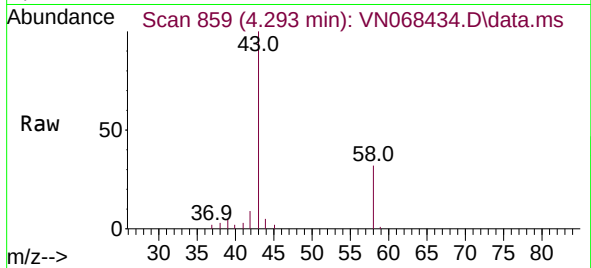




#15
Acetone
Concen: 12.062 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068434.D
Acq: 8 Sep 2021 12:25

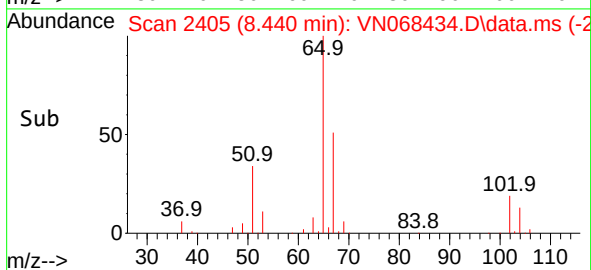
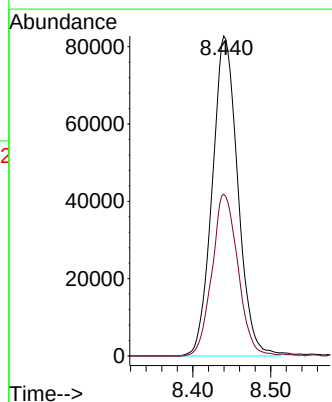
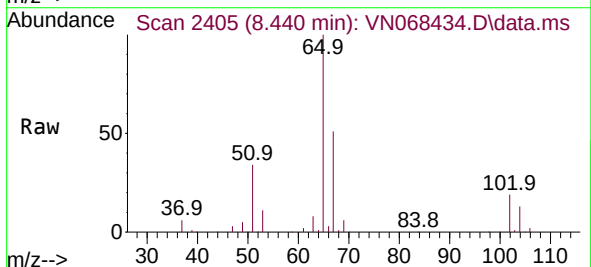
Instrument :
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002-35TH-AVE(SEP)RE

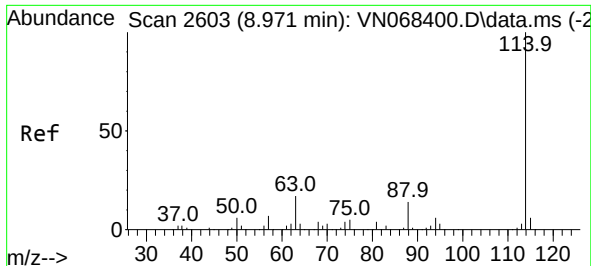
Tgt Ion: 58 Resp: 6819
Ion Ratio Lower Upper
58 100
43 305.0 289.6 434.4



#27
1,2-Dichloroethane-d4
Concen: 33.666 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068434.D
Acq: 8 Sep 2021 12:25

Tgt Ion: 65 Resp: 188571
Ion Ratio Lower Upper
65 100
67 51.3 39.8 59.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.973 min Scan# 2604

Delta R.T. 0.003 min

Lab File: VN068434.D

Acq: 8 Sep 2021 12:25

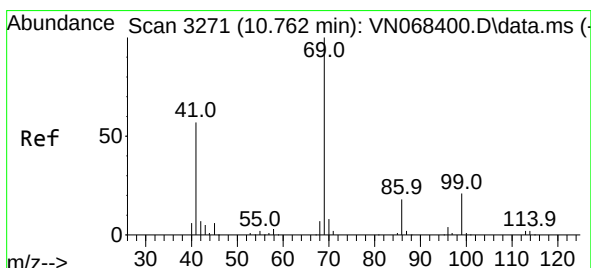
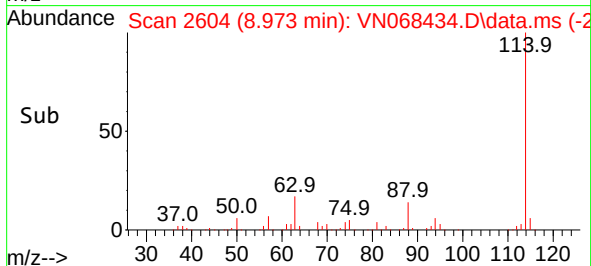
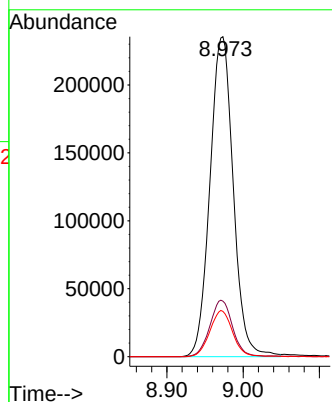
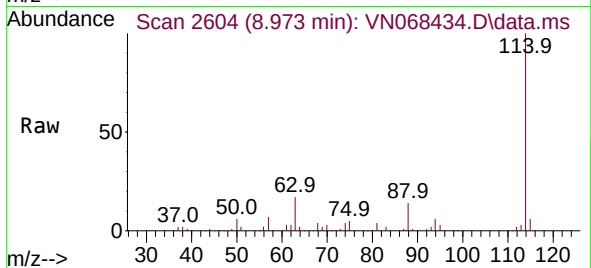
Tgt Ion:114 Resp: 499463

Ion Ratio Lower Upper

114 100

63 17.2 20.3 30.5#

88 14.1 14.6 22.0#



#51

Ethyl methacrylate

Concen: 0.240 ug/l

RT: 10.448 min Scan# 3154

Delta R.T. -0.314 min

Lab File: VN068434.D

Acq: 8 Sep 2021 12:25

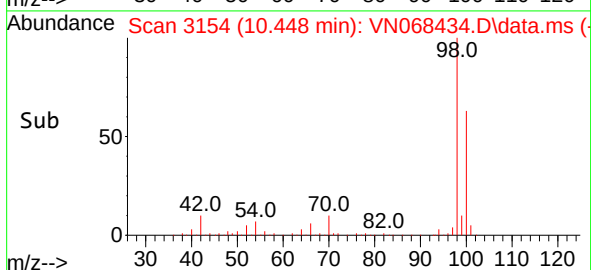
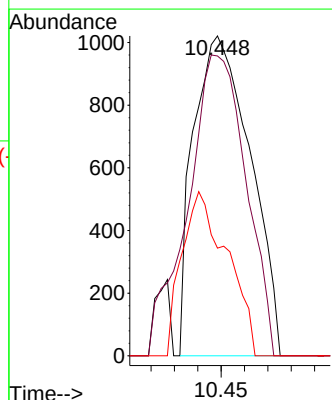
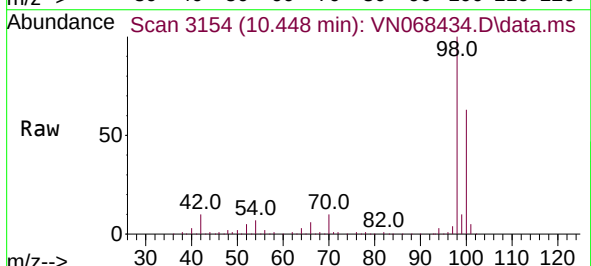
Tgt Ion: 69 Resp: 1729

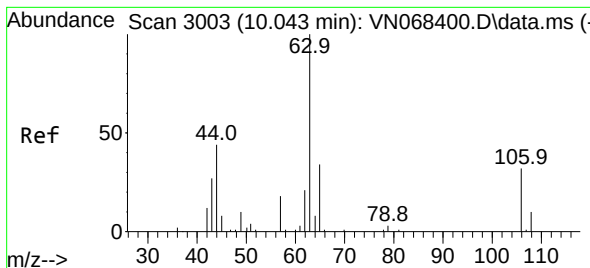
Ion Ratio Lower Upper

69 100

41 93.7 36.8 110.4

39 33.7 23.8 71.2

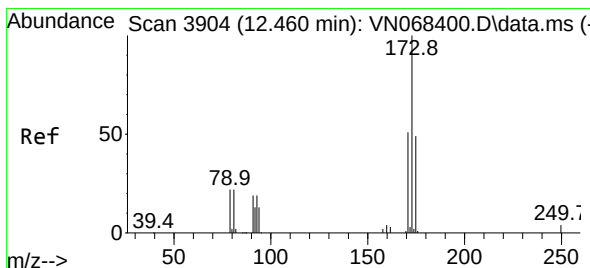
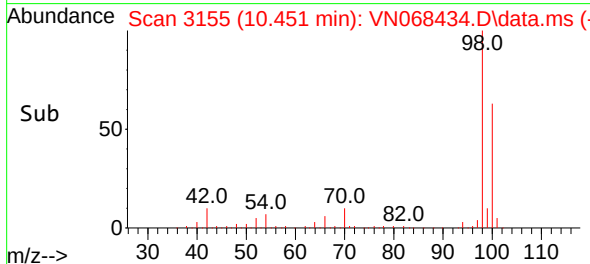
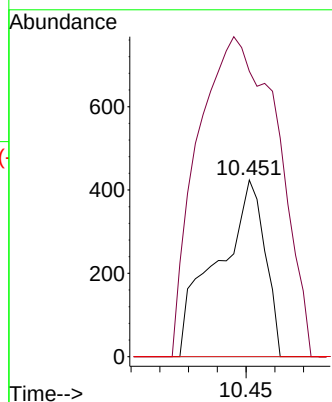
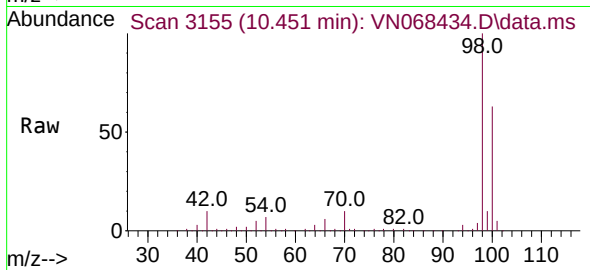




#55
2-Chloroethyl vinyl ether
Concen: 46.757 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. 0.408 min
Lab File: VN068434.D
Acq: 8 Sep 2021 12:25

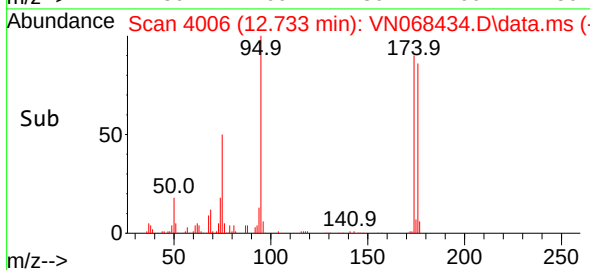
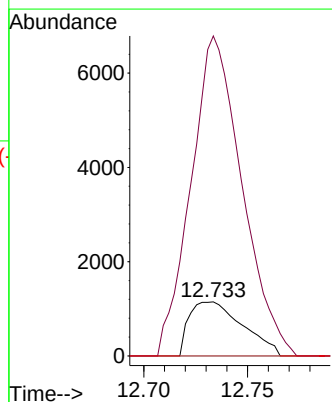
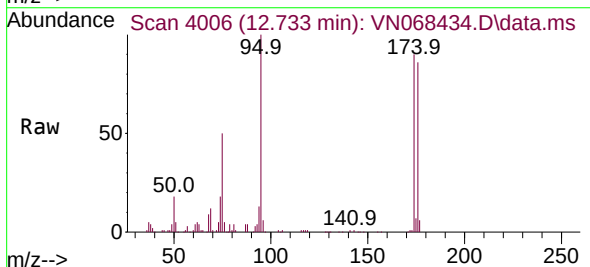
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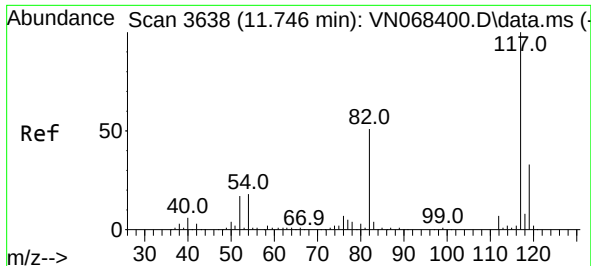
Tgt Ion: 63 Resp: 487
Ion Ratio Lower Upper
63 100
65 218.5 25.6 38.4#
106 0.0 20.0 30.0#



#56
Bromoform
Concen: 0.399 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068434.D
Acq: 8 Sep 2021 12:25

Tgt Ion: 173 Resp: 2063
Ion Ratio Lower Upper
173 100
175 562.6 39.4 59.2#
254 0.0 0.0 0.0

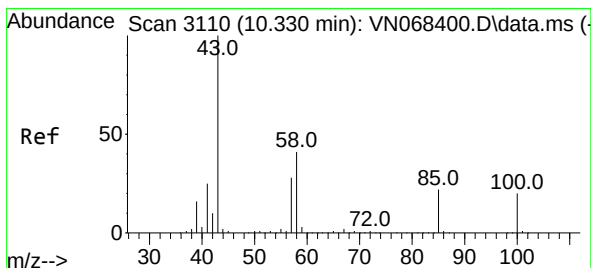
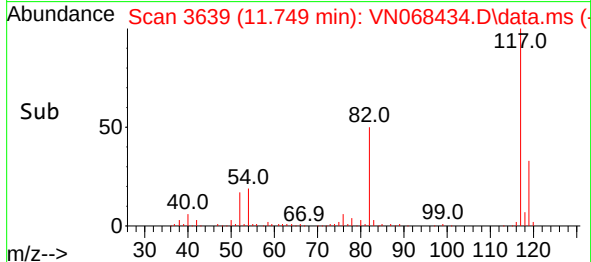
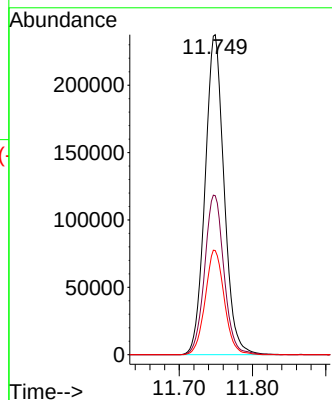
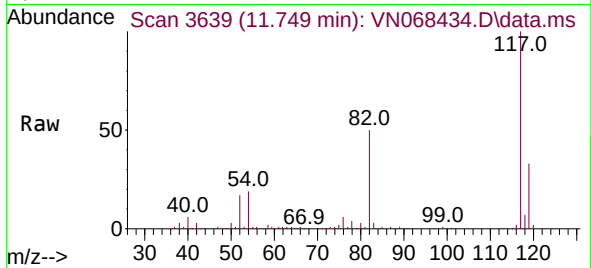




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068434.D
Acq: 8 Sep 2021 12:25

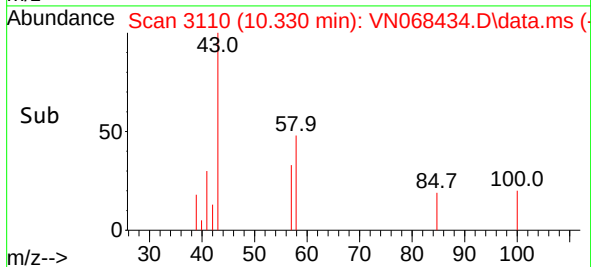
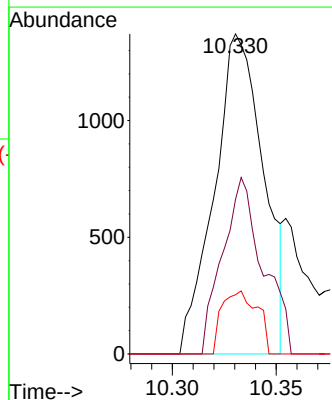
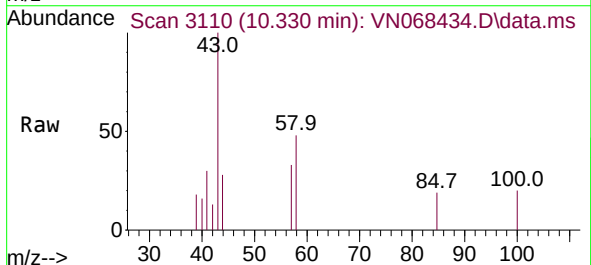
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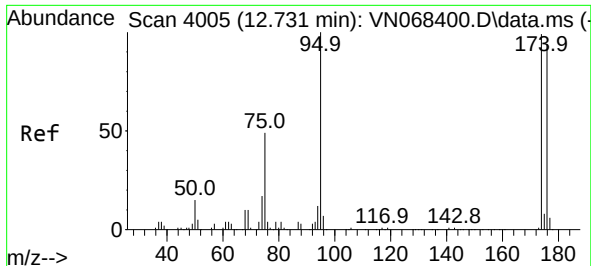
Tgt Ion:117 Resp: 427982
Ion Ratio Lower Upper
117 100
82 50.7 52.5 78.7#
119 32.8 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 0.454 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN068434.D
Acq: 8 Sep 2021 12:25

Tgt Ion: 43 Resp: 2260
Ion Ratio Lower Upper
43 100
58 37.3 29.0 43.4
85 11.4 13.2 19.8#

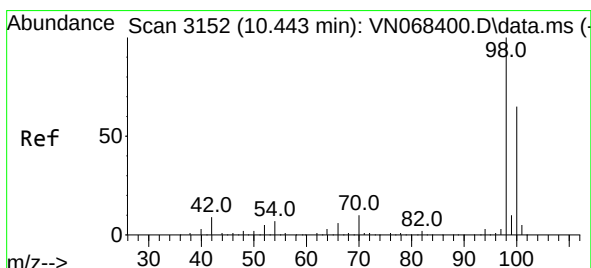
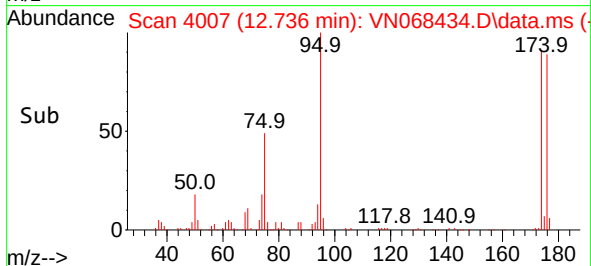
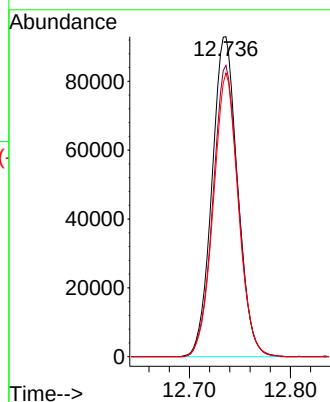
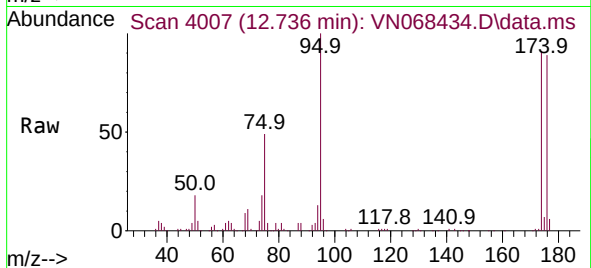




#60
4-Bromofluorobenzene
Concen: 27.042 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.006 min
Lab File: VN068434.D
Acq: 8 Sep 2021 12:25

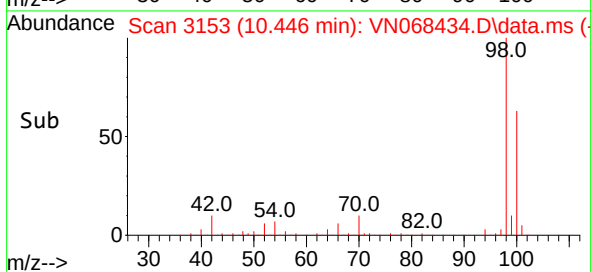
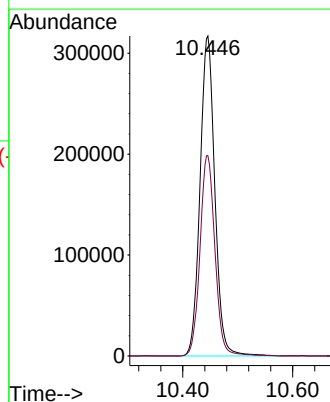
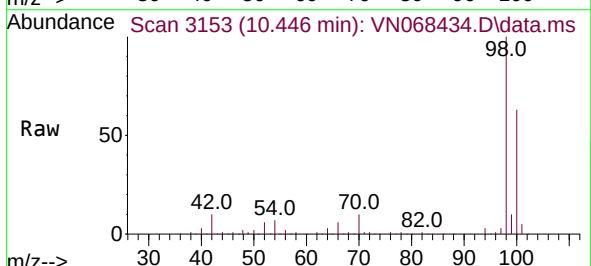
Instrument :
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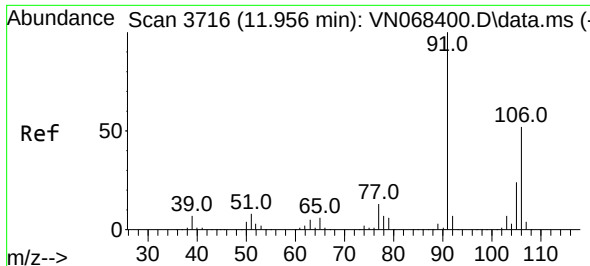
Tgt Ion: 95 Resp: 163896
Ion Ratio Lower Upper
95 100
174 90.2 47.7 71.5#
176 86.5 45.7 68.5#



#63
Toluene-d8
Concen: 31.096 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068434.D
Acq: 8 Sep 2021 12:25

Tgt Ion: 98 Resp: 592664
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8

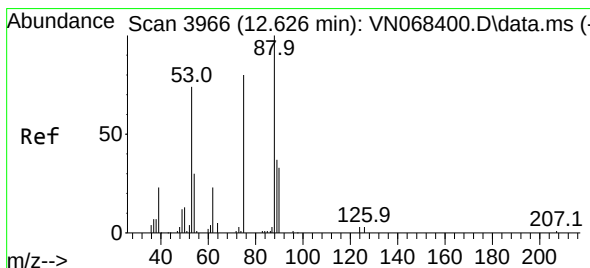
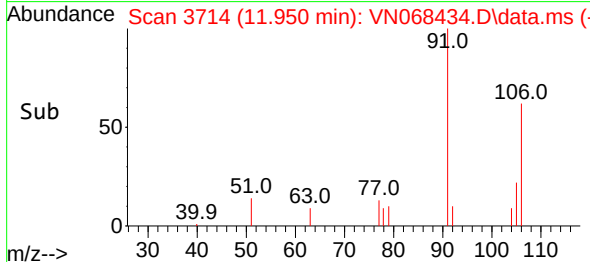
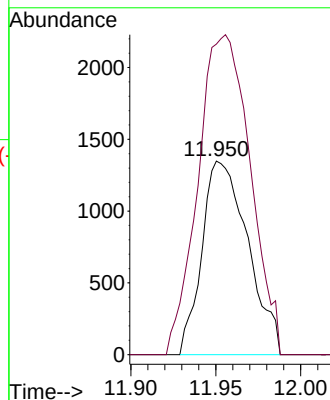
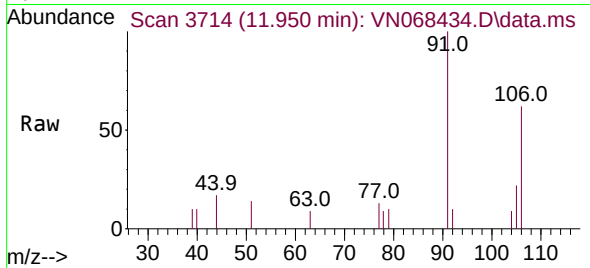




#67
m/p-Xylenes
Concen: 0.244 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.005 min
Lab File: VN068434.D
Acq: 8 Sep 2021 12:25

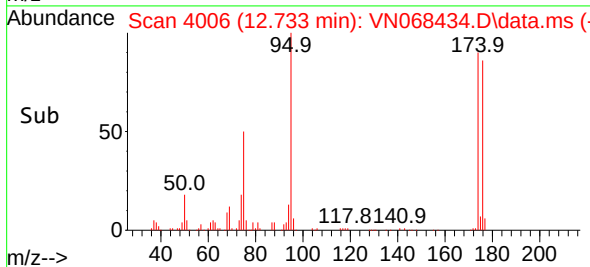
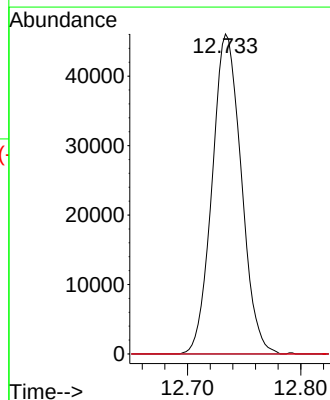
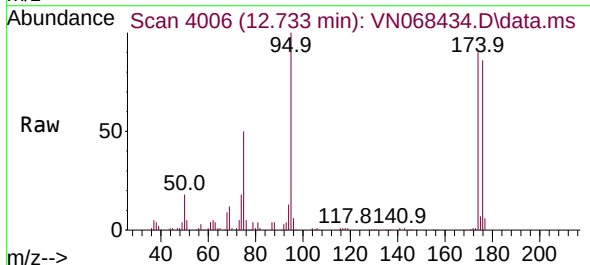
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(SEP)RE

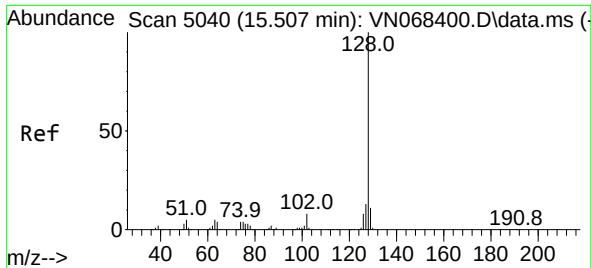
Tgt Ion:106 Resp: 2527
Ion Ratio Lower Upper
106 100
91 188.6 181.3 271.9



#77
t-1,4-Dichloro-2-butene
Concen: 50.024 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068434.D
Acq: 8 Sep 2021 12:25

Tgt Ion: 75 Resp: 82216
Ion Ratio Lower Upper
75 100
53 0.0 55.2 165.6#
89 0.0 24.5 73.5#





#91
Naphthalene
Concen: 0.210 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN068434.D
Acq: 8 Sep 2021 12:25

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(SEP)RE

Tgt Ion:128 Resp: 2870
Ion Ratio Lower Upper
128 100
127 10.9 10.1 15.1
129 4.6 8.9 13.3#

