

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091421\
 Data File : VN068469.D
 Acq On : 14 Sep 2021 13:48
 Operator : JC/MD
 Sample : VN0914WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBL01

Quant Time: Sep 15 05:36:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N091321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Sep 14 04:23:31 2021
 Response via : Initial Calibration

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

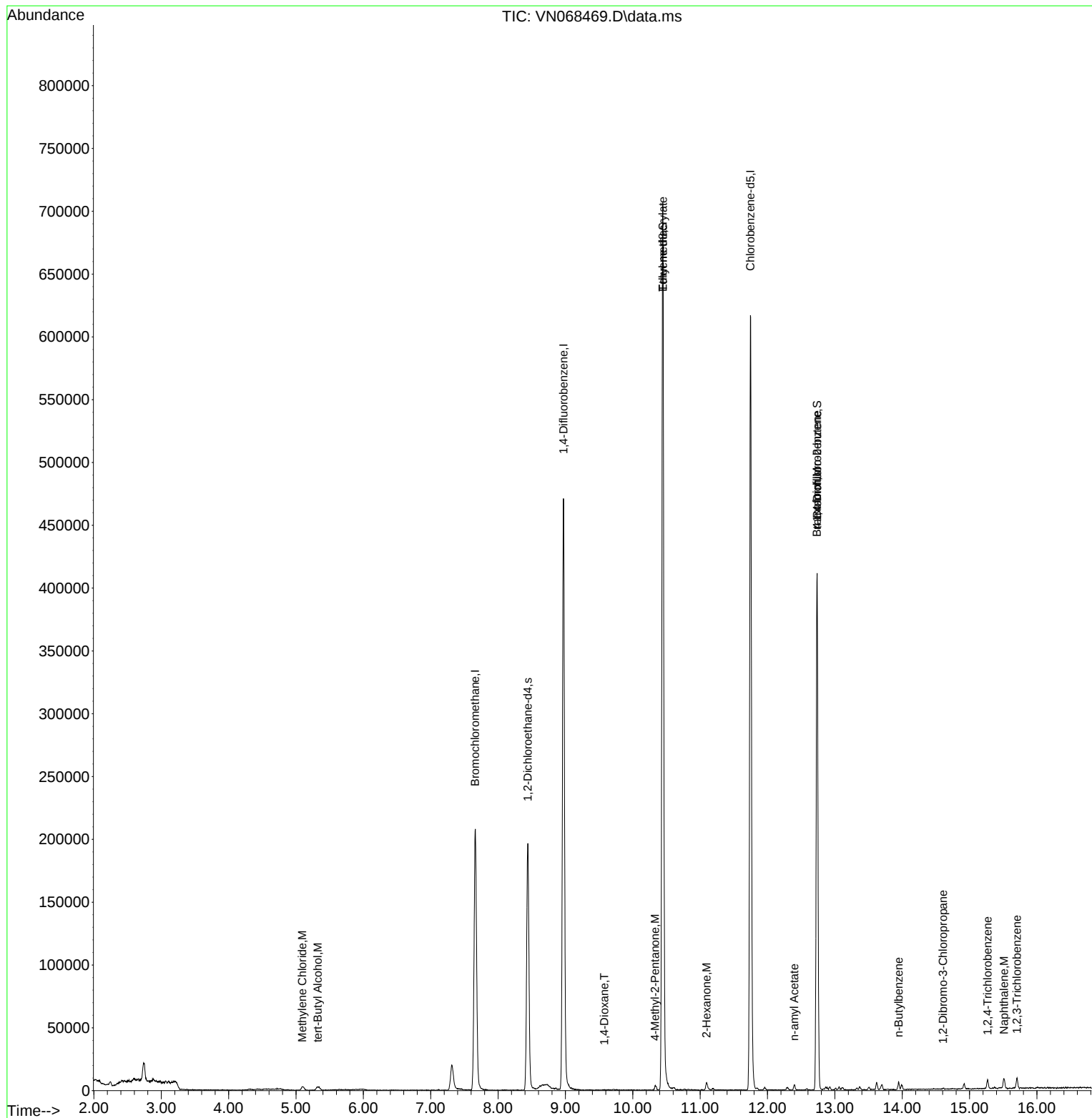
Internal Standards						
1) Bromochloromethane	7.659	128	89442	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	463488	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	400411	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	171066	32.386	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 107.967%	
60) 4-Bromofluorobenzene	12.736	95	144873	25.384	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 84.600%	
63) Toluene-d8	10.446	98	544100	31.236	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 104.133%	
Target Compounds						
					Qvalue	
18) Methylene Chloride	5.092	84	2572	0.527	ug/l #	72
23) tert-Butyl Alcohol	5.320	59	320	0.431	ug/l #	100
45) 1,4-Dioxane	9.577	88	54	0.624	ug/l #	7
47) n-amyl Acetate	12.395	43	2650	0.441	ug/l #	82
51) Ethyl Methacrylate	10.448	69	1675	0.246	ug/l	85
56) Bromoform	12.733	173	1535	0.294	ug/l #	1
58) 4-Methyl-2-Pentanone	10.330	43	2809	0.596	ug/l #	56
59) 2-Hexanone	11.095	43	4621	1.415	ug/l #	88
77) t-1,4-Dichloro-2-butene	12.736	75	72939	41.216	ug/l #	13
85) n-Butylbenzene	13.946	91	4137	0.283	ug/l	84
88) 1,2-Dibromo-3-Chloropr...	14.605	75	298	0.274	ug/l #	50
89) 1,2,4-Trichlorobenzene	15.268	180	3158	0.582	ug/l #	96
91) Naphthalene	15.509	128	8660	0.740	ug/l #	78
92) 1,2,3-Trichlorobenzene	15.702	180	3848	0.754	ug/l	90

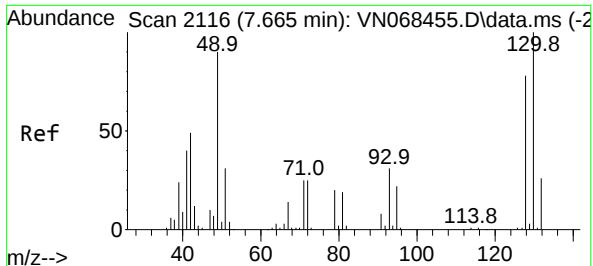
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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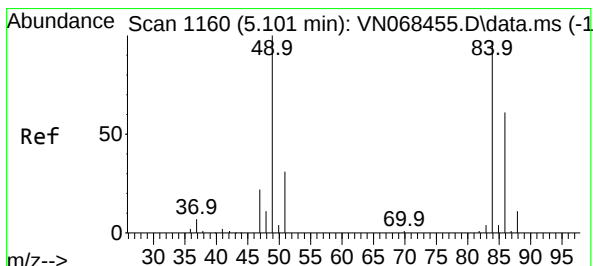
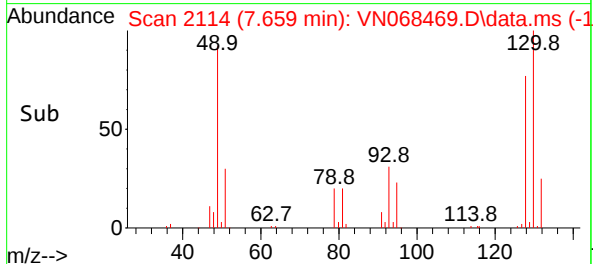
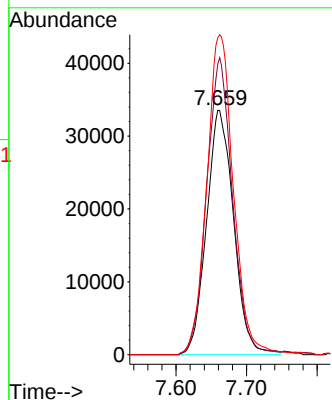
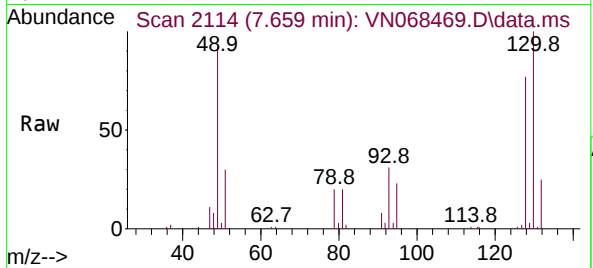




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2116
Delta R.T. -0.006 min
Lab File: VN068469.D
Acq: 14 Sep 2021 13:48

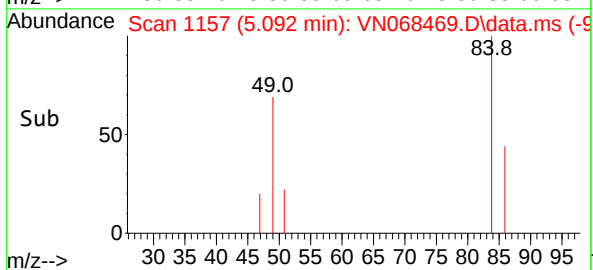
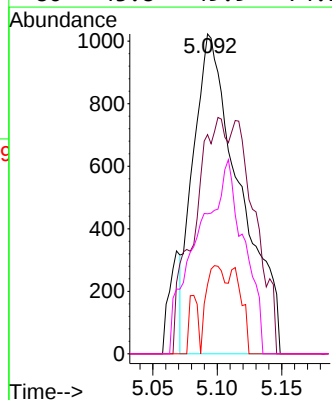
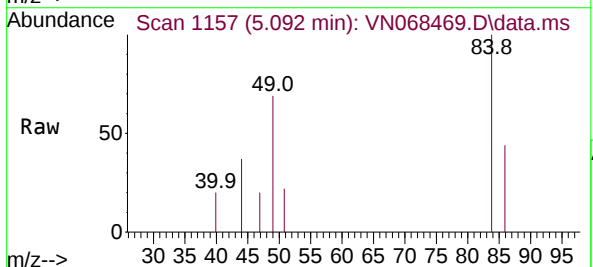
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBL01

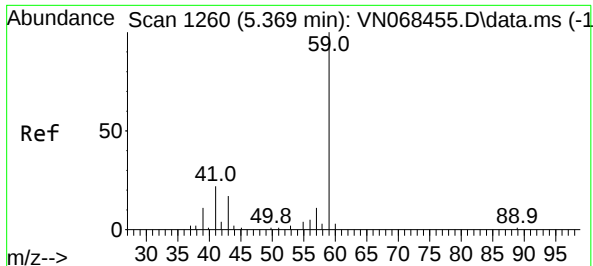
Tgt Ion:128 Resp: 89442
Ion Ratio Lower Upper
128 100
49 116.2 0.0 292.5
130 128.8 0.0 325.0



#18
Methylene Chloride
Concen: 0.527 ug/l
RT: 5.092 min Scan# 1157
Delta R.T. -0.008 min
Lab File: VN068469.D
Acq: 14 Sep 2021 13:48

Tgt Ion: 84 Resp: 2572
Ion Ratio Lower Upper
84 100
49 68.5 82.4 123.6#
51 21.7 25.9 38.9#
86 43.8 49.9 74.9#





#23

tert-Butyl Alcohol

Concen: 0.431 ug/l

RT: 5.320 min Scan# 1

Delta R.T. -0.048 min

Lab File: VN068469.D

Acq: 14 Sep 2021 13:48

Instrument :

MSVOA_N

ClientSampleId :

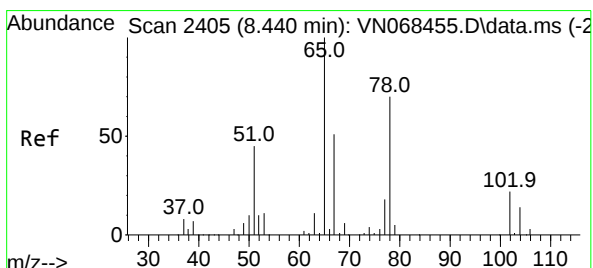
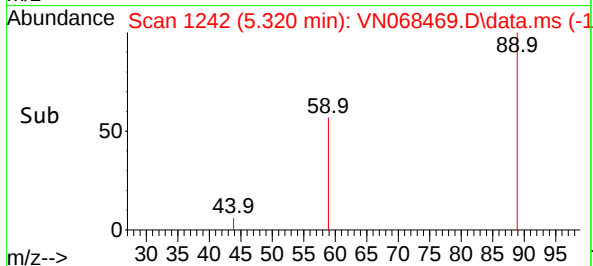
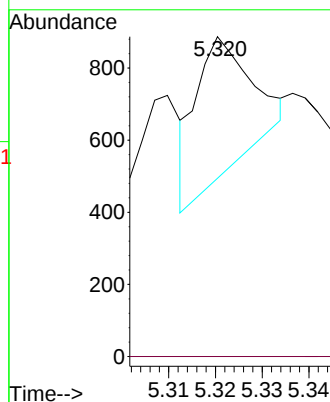
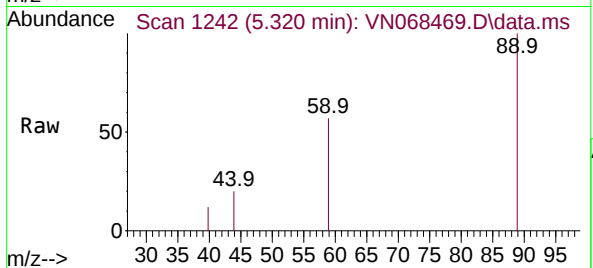
VN0914WBL01

Tgt Ion: 59 Resp: 320

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#27

1,2-Dichloroethane-d4

Concen: 32.386 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN068469.D

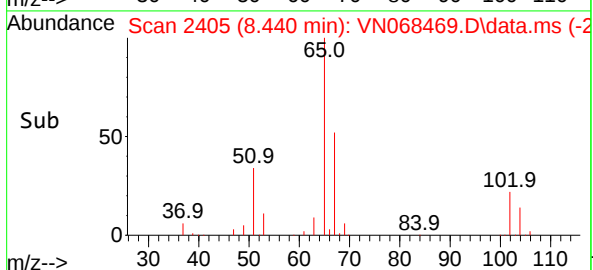
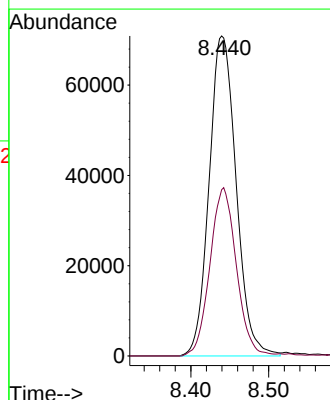
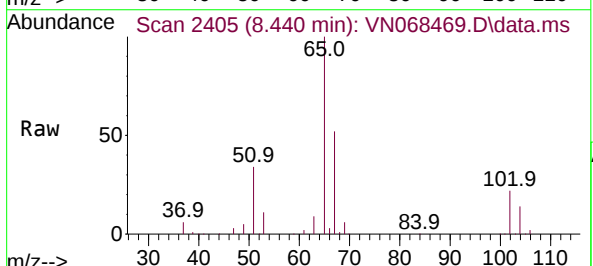
Acq: 14 Sep 2021 13:48

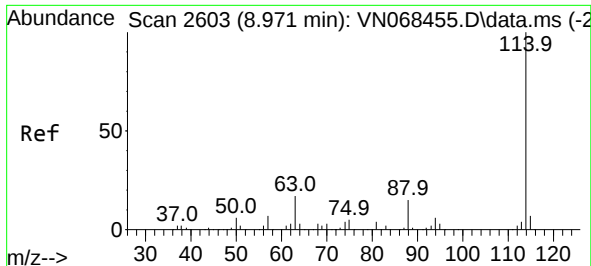
Tgt Ion: 65 Resp: 171066

Ion Ratio Lower Upper

65 100

67 51.3 41.8 62.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.971 min Scan# 2

Delta R.T. -0.000 min

Lab File: VN068469.D

Acq: 14 Sep 2021 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBL01

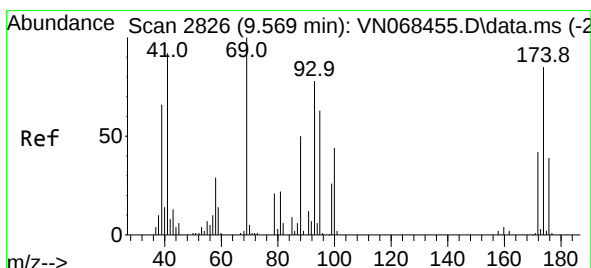
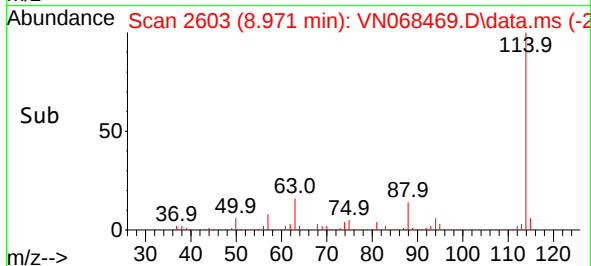
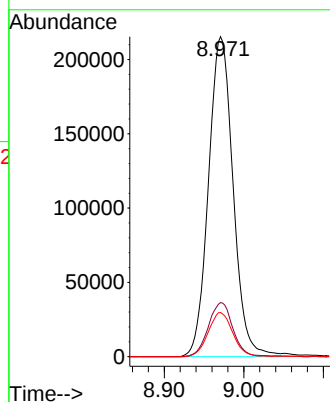
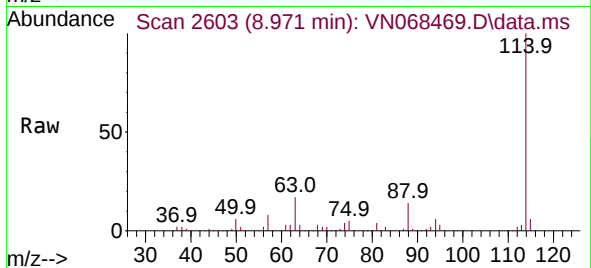
Tgt Ion:114 Resp: 463488

Ion Ratio Lower Upper

114 100

63 16.9 13.4 20.0

88 13.7 11.1 16.7



#45

1,4-Dioxane

Concen: 0.624 ug/l

RT: 9.577 min Scan# 2829

Delta R.T. 0.008 min

Lab File: VN068469.D

Acq: 14 Sep 2021 13:48

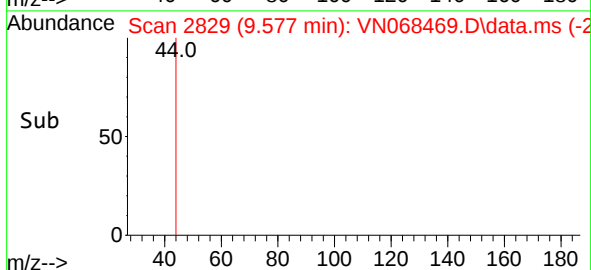
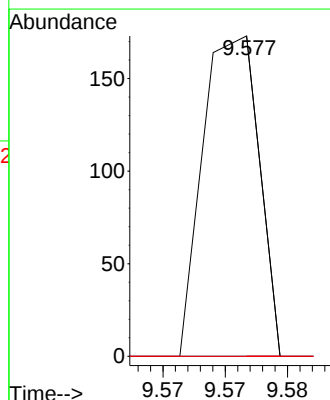
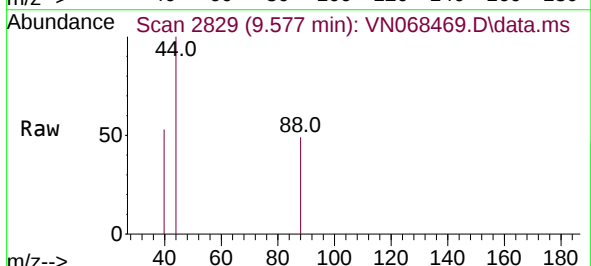
Tgt Ion: 88 Resp: 54

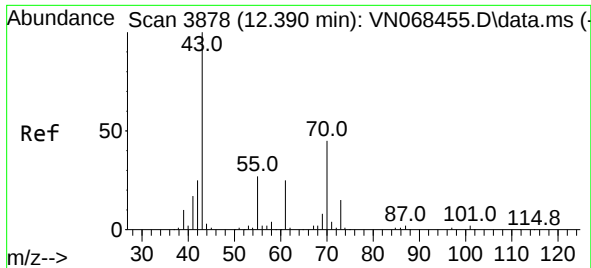
Ion Ratio Lower Upper

88 100

43 90.7 21.0 31.4#

58 0.0 47.0 70.6#

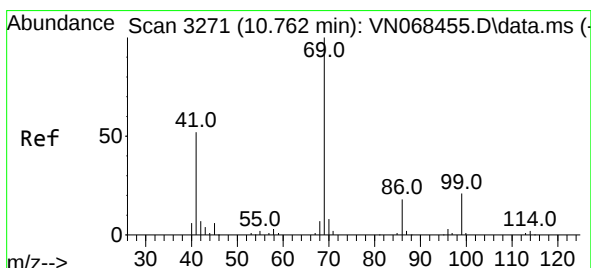
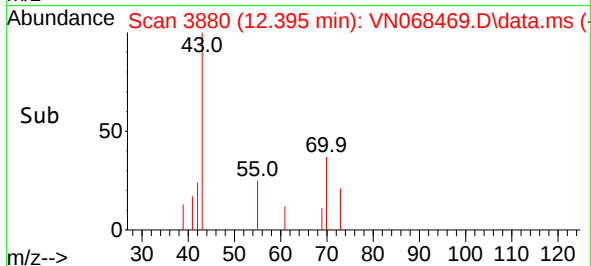
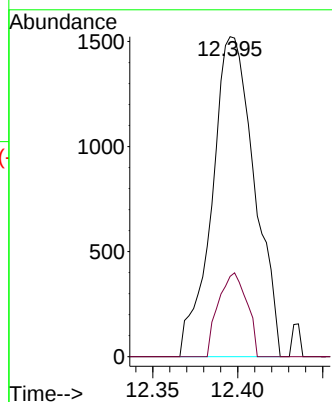
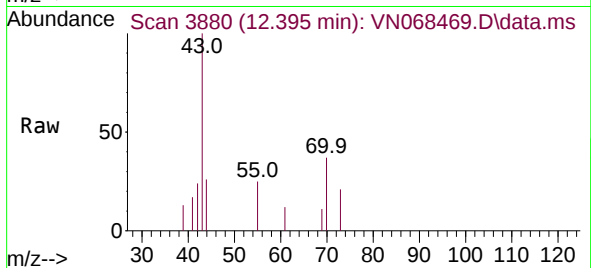




#47
n-amyl acetate
Concen: 0.441 ug/l
RT: 12.395 min Scan# 3154
Delta R.T. 0.005 min
Lab File: VN068469.D
Acq: 14 Sep 2021 13:48

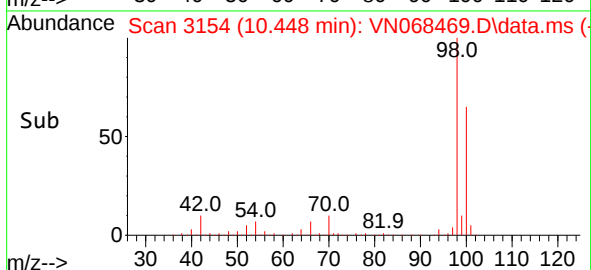
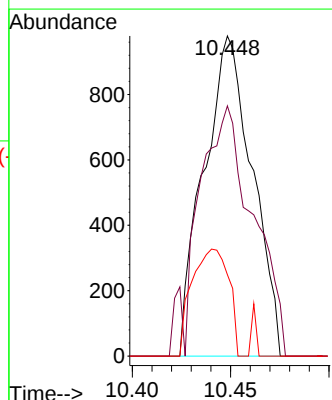
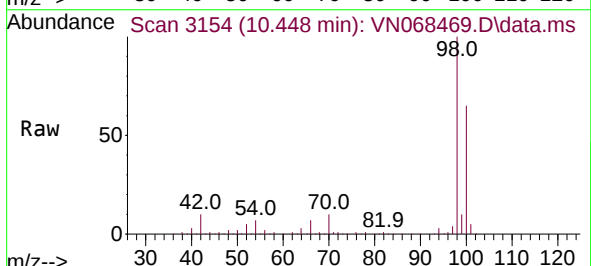
Instrument :
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ClientSampleId :
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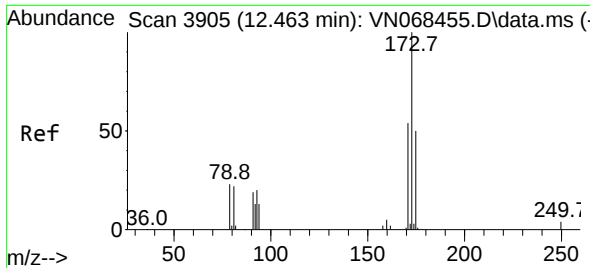
Tgt Ion: 43 Resp: 2650
Ion Ratio Lower Upper
43 100
55 17.5 21.7 32.5#



#51
Ethyl methacrylate
Concen: 0.246 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.314 min
Lab File: VN068469.D
Acq: 14 Sep 2021 13:48

Tgt Ion: 69 Resp: 1675
Ion Ratio Lower Upper
69 100
41 61.8 26.1 78.3
39 25.4 18.0 54.0

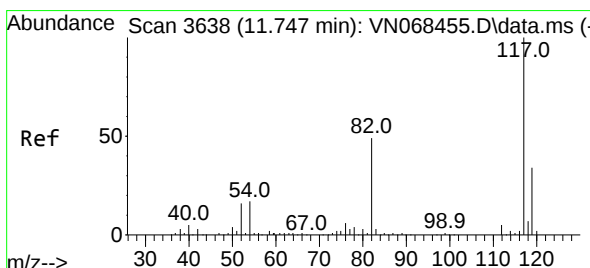
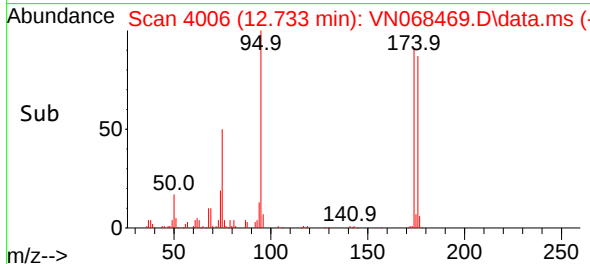
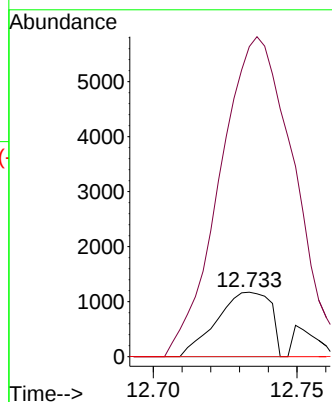
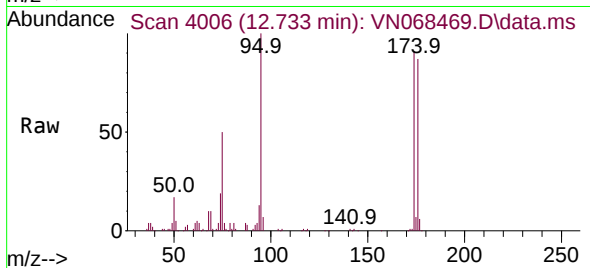




#56
Bromoform
Concen: 0.294 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.271 min
Lab File: VN068469.D
Acq: 14 Sep 2021 13:48

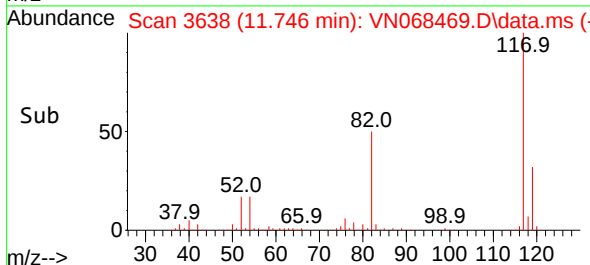
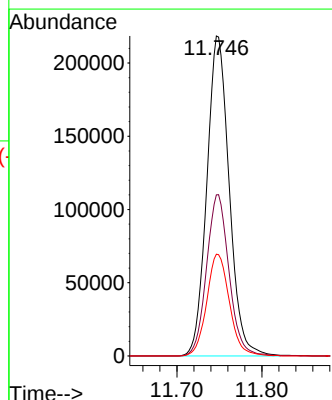
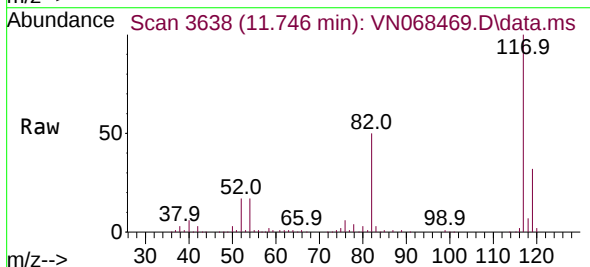
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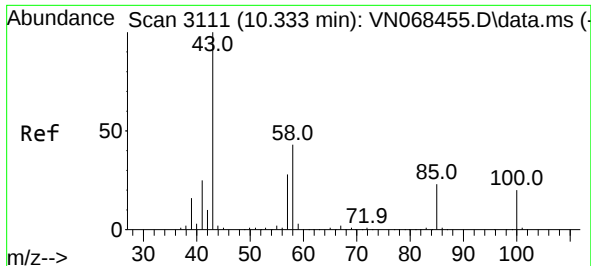
Tgt Ion:173 Resp: 1535
Ion Ratio Lower Upper
173 100
175 680.3 38.8 58.2#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068469.D
Acq: 14 Sep 2021 13:48

Tgt Ion:117 Resp: 400411
Ion Ratio Lower Upper
117 100
82 50.6 39.4 59.0
119 32.2 26.2 39.2

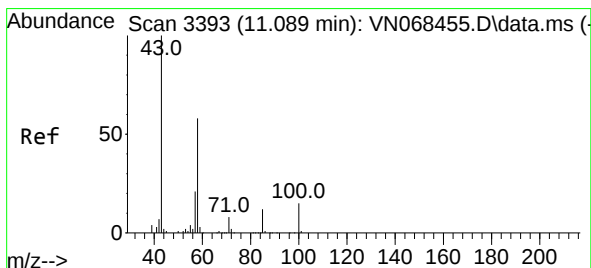
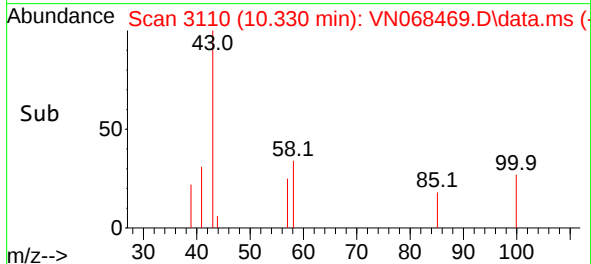
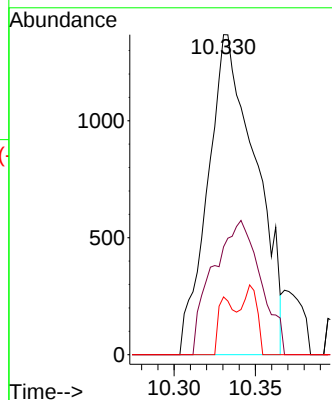
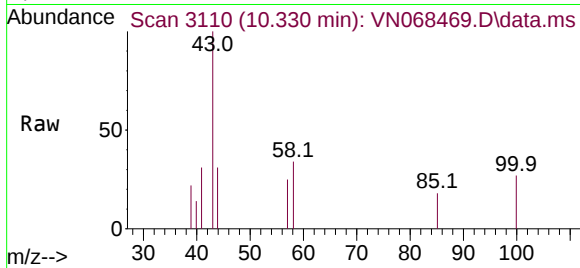




#58
4-Methyl-2-Pentanone
Concen: 0.596 ug/l
RT: 10.330 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VN068469.D
Acq: 14 Sep 2021 13:48

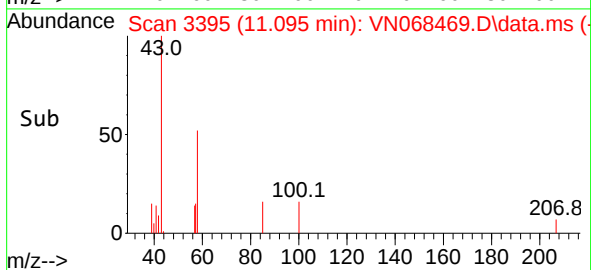
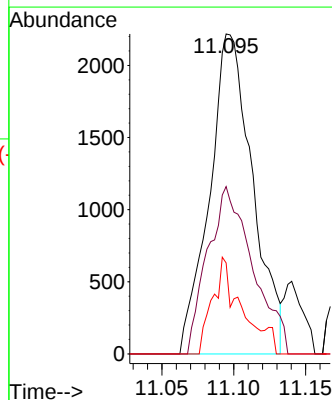
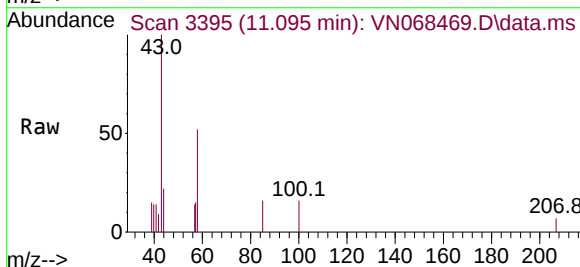
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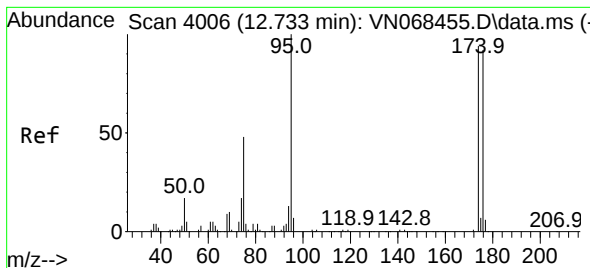
Tgt Ion: 43 Resp: 2809
Ion Ratio Lower Upper
43 100
58 10.8 33.3 49.9#
85 6.1 18.6 27.8#



#59
2-Hexanone
Concen: 1.415 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.005 min
Lab File: VN068469.D
Acq: 14 Sep 2021 13:48

Tgt Ion: 43 Resp: 4621
Ion Ratio Lower Upper
43 100
58 54.7 46.4 69.6
57 5.7 16.6 25.0#

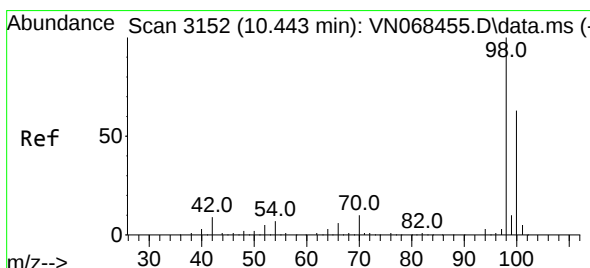
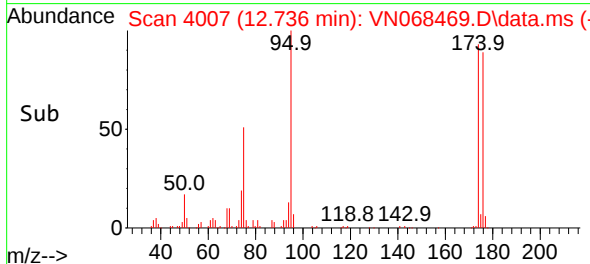
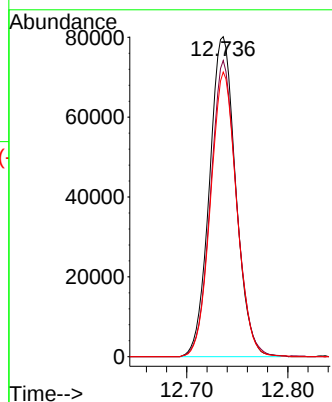
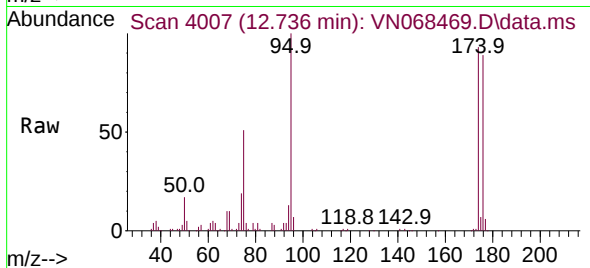




#60
4-Bromofluorobenzene
Concen: 25.384 ug/l
RT: 12.736 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068469.D
Acq: 14 Sep 2021 13:48

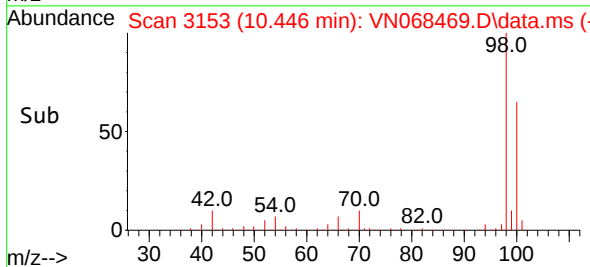
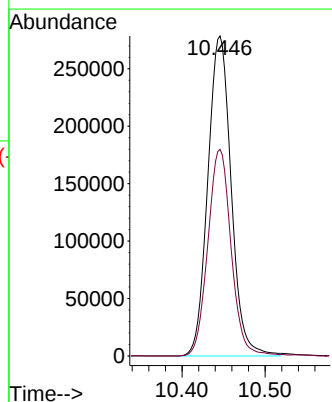
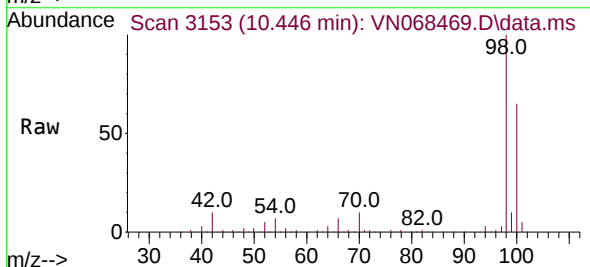
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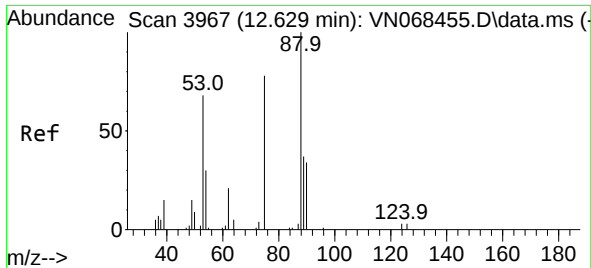
Tgt Ion: 95 Resp: 144873
Ion Ratio Lower Upper
95 100
174 91.4 78.0 117.0
176 88.3 76.4 114.6



#63
Toluene-d8
Concen: 31.236 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068469.D
Acq: 14 Sep 2021 13:48

Tgt Ion: 98 Resp: 544100
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3

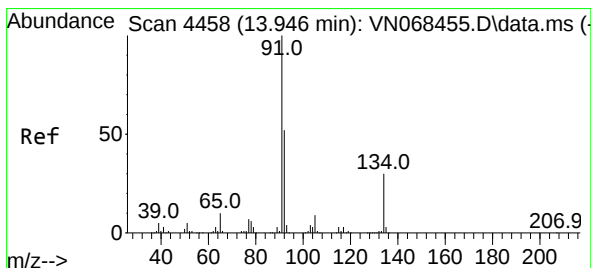
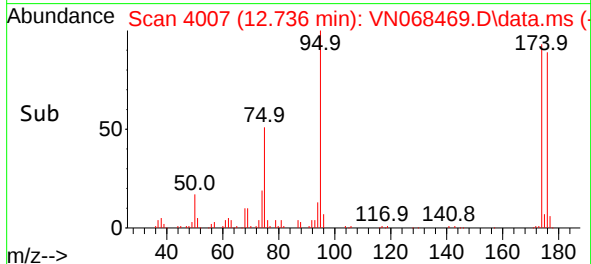
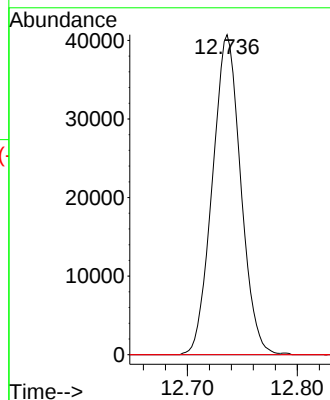
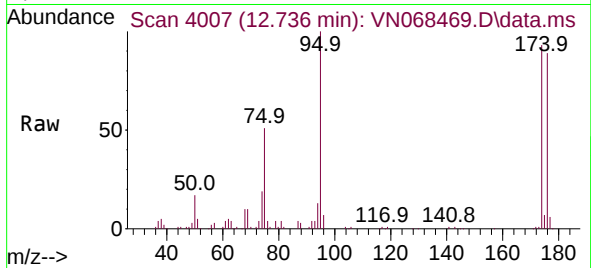




#77
t-1,4-Dichloro-2-butene
Concen: 41.216 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068469.D
Acq: 14 Sep 2021 13:48

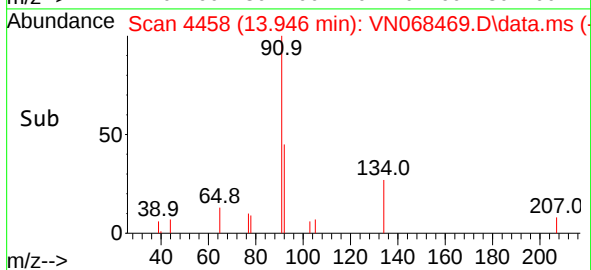
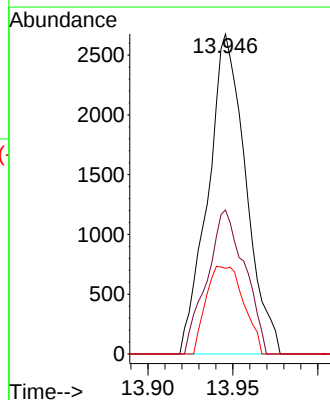
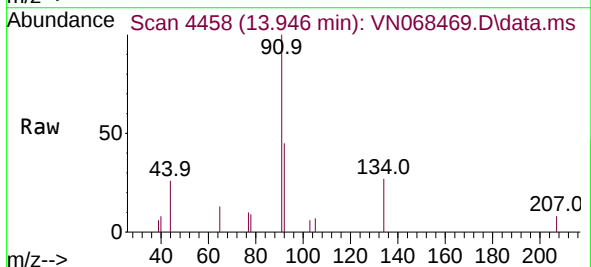
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBL01

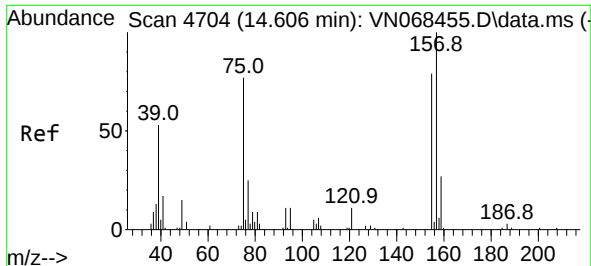
Tgt Ion: 75 Resp: 72939
Ion Ratio Lower Upper
75 100
53 0.0 43.8 131.4#
89 0.0 26.2 78.6#



#85
n-Butylbenzene
Concen: 0.283 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN068469.D
Acq: 14 Sep 2021 13:48

Tgt Ion: 91 Resp: 4137
Ion Ratio Lower Upper
91 100
92 44.9 0.0 102.4
134 15.0 0.0 58.8

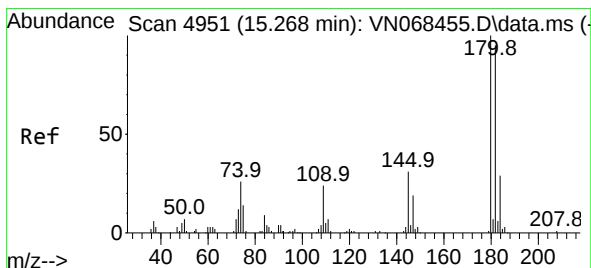
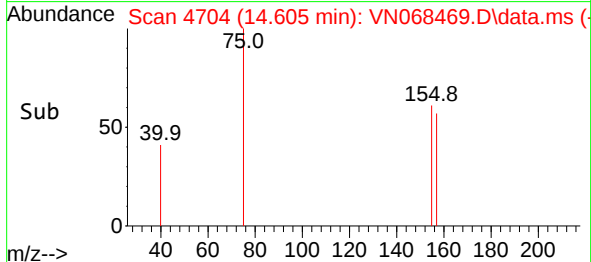
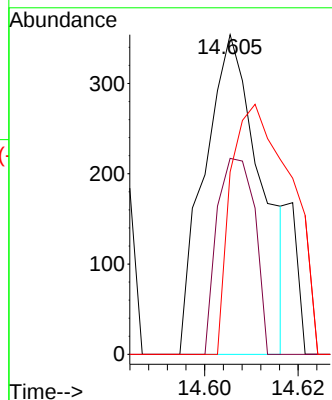
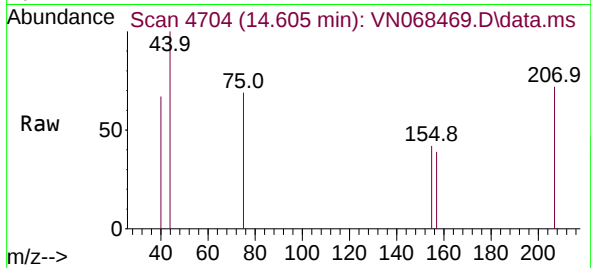




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.274 ug/l
 RT: 14.605 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VN068469.D
 Acq: 14 Sep 2021 13:48

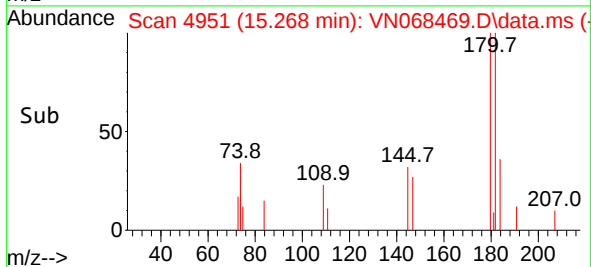
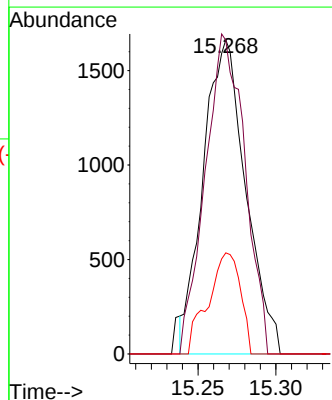
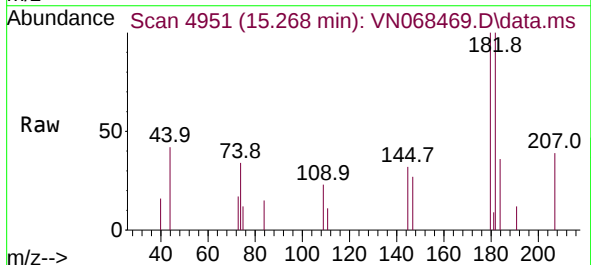
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBL01

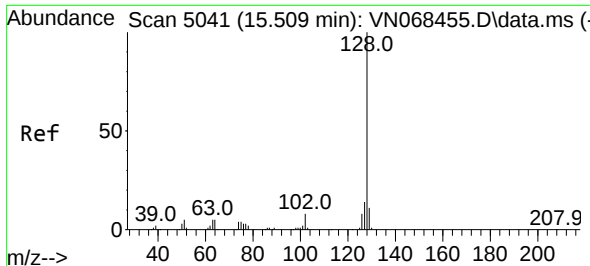
Tgt Ion: 75 Resp: 298
 Ion Ratio Lower Upper
 75 100
 155 40.9 83.3 124.9#
 157 83.2 104.9 157.3#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.582 ug/l
 RT: 15.268 min Scan# 4951
 Delta R.T. -0.000 min
 Lab File: VN068469.D
 Acq: 14 Sep 2021 13:48

Tgt Ion: 180 Resp: 3158
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.0 115.4
 145 24.4 24.6 36.8#

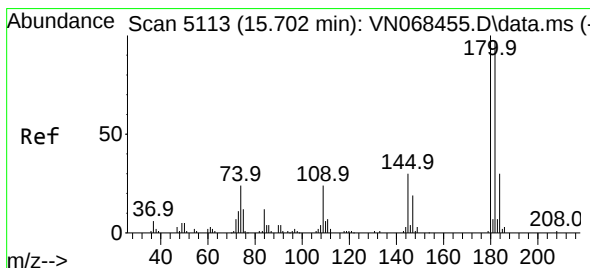
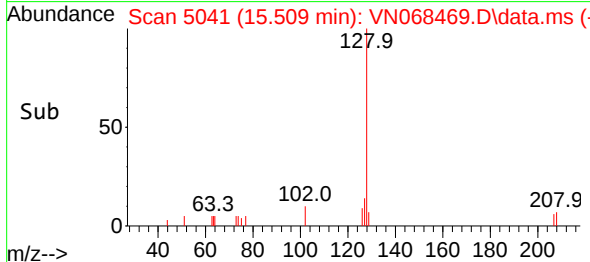
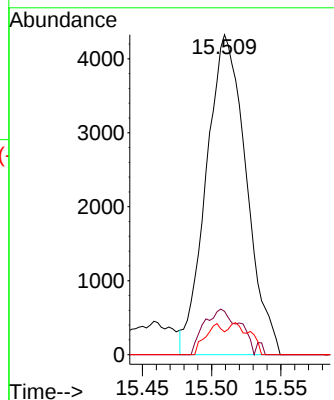
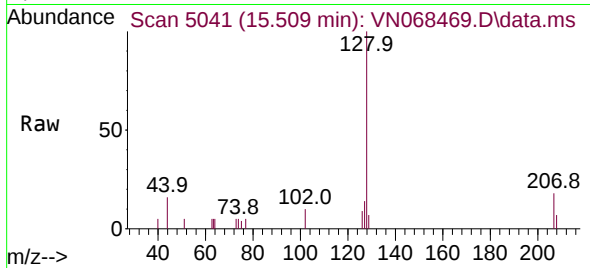




#91
Naphthalene
Concen: 0.740 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. -0.000 min
Lab File: VN068469.D
Acq: 14 Sep 2021 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBL01

Tgt Ion:128 Resp: 8660
Ion Ratio Lower Upper
128 100
127 2.9 10.6 15.8#
129 4.4 8.8 13.2#



#92
1,2,3-Trichlorobenzene
Concen: 0.754 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. -0.000 min
Lab File: VN068469.D
Acq: 14 Sep 2021 13:48

Tgt Ion:180 Resp: 3848
Ion Ratio Lower Upper
180 100
182 94.6 0.0 191.2
145 10.4 0.0 61.8

