

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
 Data File : VN067032.D
 Acq On : 7 May 2021 1:11
 Operator : JC/MD
 Sample : M2307-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-18

Quant Time: May 07 07:32:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 07 07:26:20 2021
 Response via : Initial Calibration

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

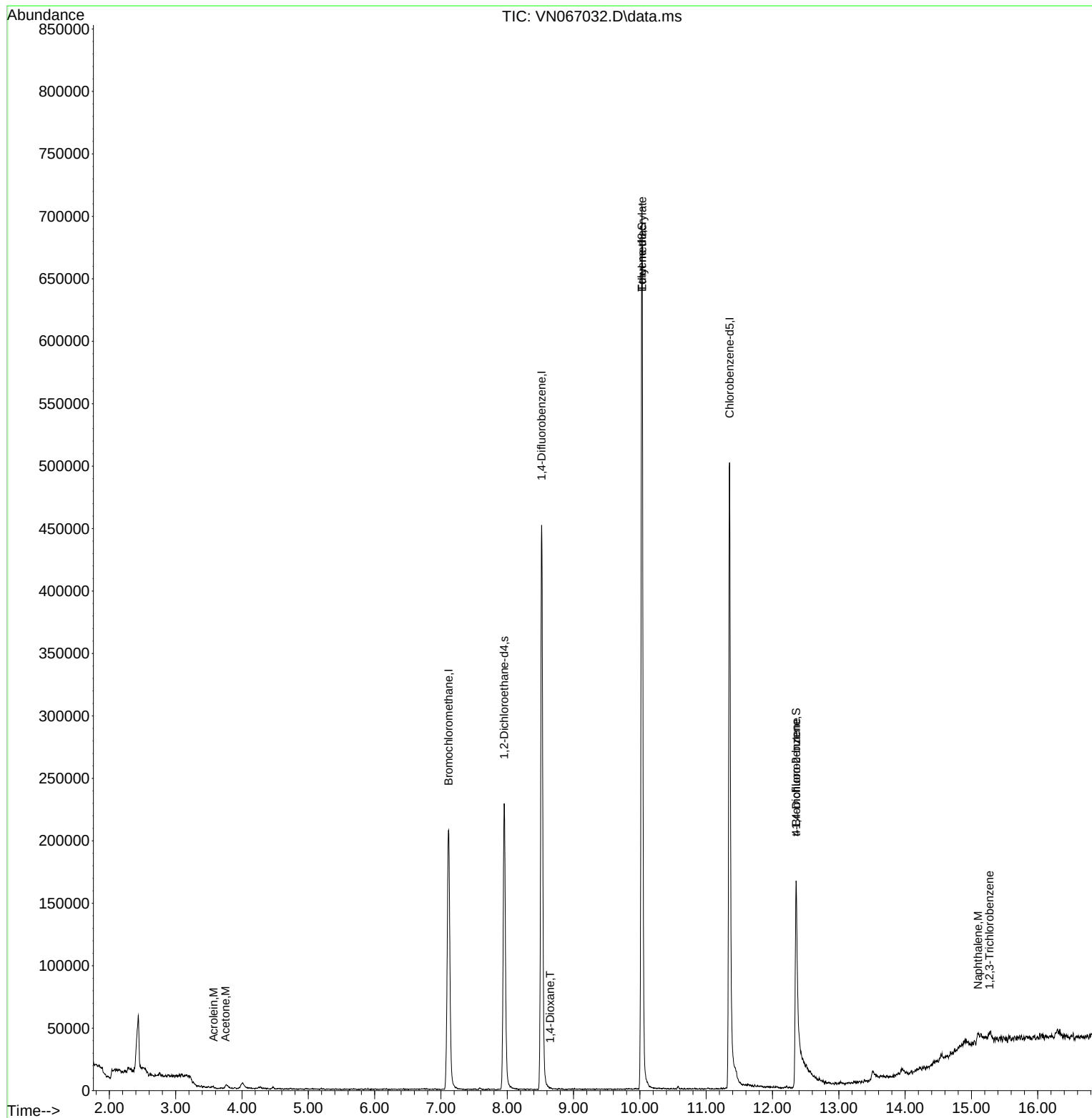
Internal Standards						
1) Bromochloromethane	7.115	128	78615	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.518	114	393120	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.352	117	315742	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.954	65	203385	29.52	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.40%
60) 4-Bromofluorobenzene	12.355	95	91926	17.50	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	58.33%#
63) Toluene-d8	10.030	98	503181	32.17	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	107.23%
Target Compounds						
					Qvalue	
13) Acrolein	3.572	56	224	0.22	ug/l	83
15) Acetone	3.752	58	462	0.63	ug/l #	51
45) 1,4-Dioxane	8.649	88	53	0.70	ug/l #	19
51) Ethyl methacrylate	10.033	69	1971	0.29	ug/l	97
77) t-1,4-Dichloro-2-butene	12.355	75	49824	27.38	ug/l #	16
91) Naphthalene	15.099	128	4602	0.42	ug/l #	79
92) 1,2,3-Trichlorobenzene	15.271	180	2161	0.52	ug/l	76

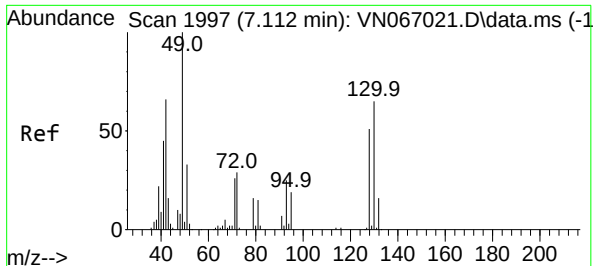
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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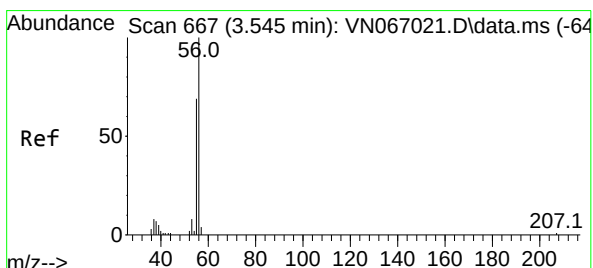
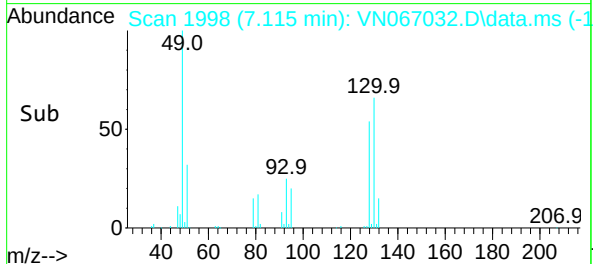
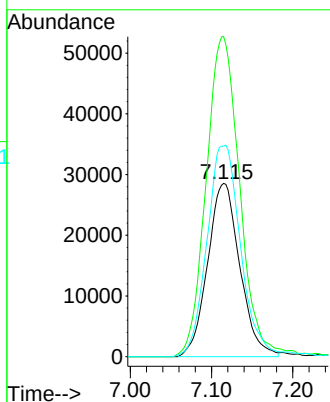
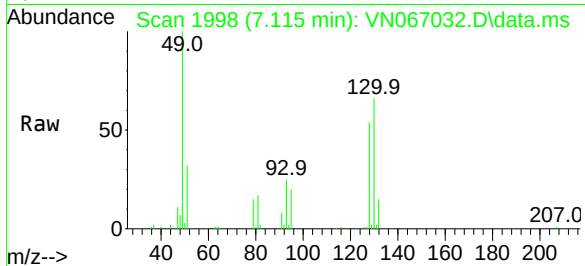




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.115 min Scan# 1998
Delta R.T. 0.003 min
Lab File: VN067032.D
Acq: 7 May 2021 1:11

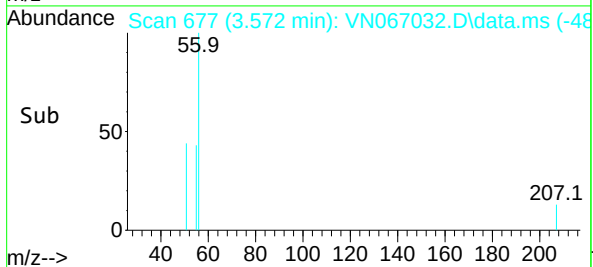
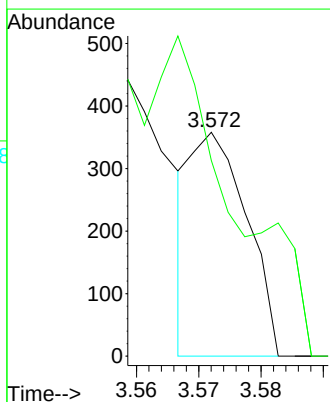
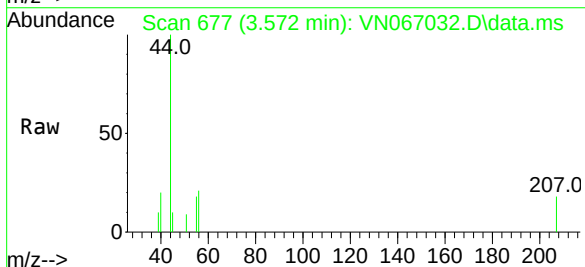
Instrument :
MSVOA_N
ClientSampled :
MW-18

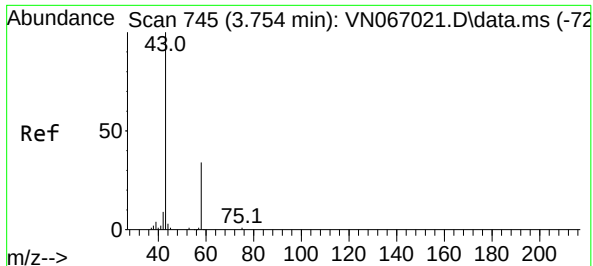
Tgt Ion:128 Resp: 78615
Ion Ratio Lower Upper
128 100
49 191.5 0.0 486.3
130 127.5 0.0 326.0



#13
Acrolein
Concen: 0.22 ug/l
RT: 3.572 min Scan# 677
Delta R.T. 0.027 min
Lab File: VN067032.D
Acq: 7 May 2021 1:11

Tgt Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
55 84.4 56.6 84.8

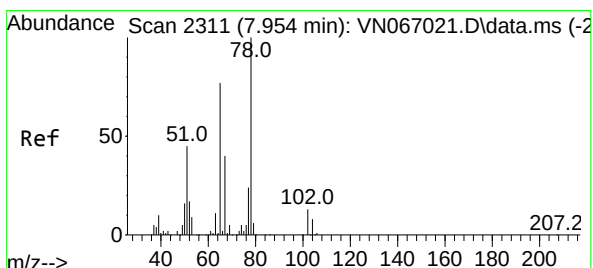
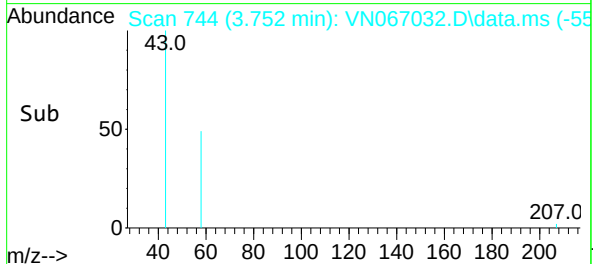
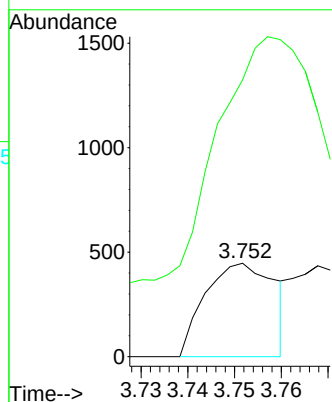
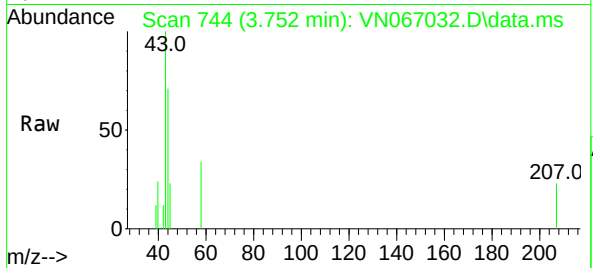




#15
Acetone
Concen: 0.63 ug/l
RT: 3.752 min Scan# 744
Delta R.T. -0.002 min
Lab File: VN067032.D
Acq: 7 May 2021 1:11

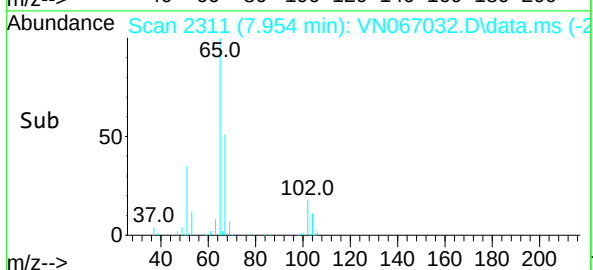
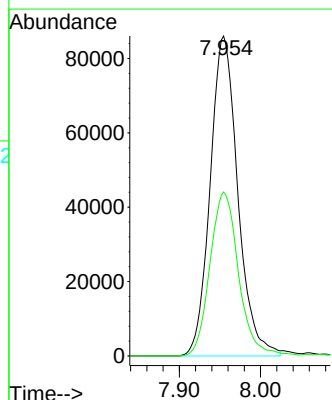
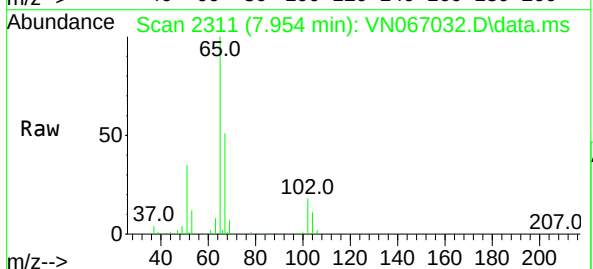
Instrument :
MSVOA_N
ClientSampled :
MW-18

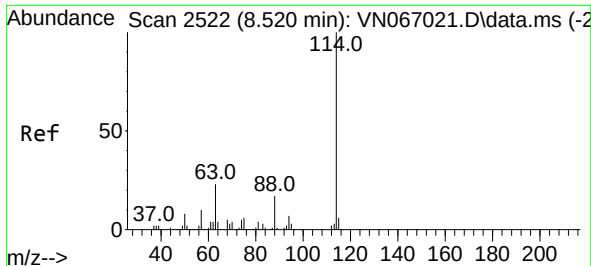
Tgt Ion: 58 Resp: 462
Ion Ratio Lower Upper
58 100
43 198.9 235.0 352.6#



#27
1,2-Dichloroethane-d4
Concen: 29.52 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN067032.D
Acq: 7 May 2021 1:11

Tgt Ion: 65 Resp: 203385
Ion Ratio Lower Upper
65 100
67 53.0 41.6 62.4





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.518 min Scan# 2521

Delta R.T. -0.002 min

Lab File: VN067032.D

Acq: 7 May 2021 1:11

Tgt Ion:114 Resp: 393120

Ion Ratio Lower Upper

114 100

63 23.3 18.8 28.2

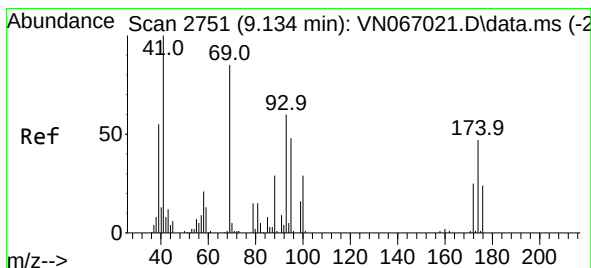
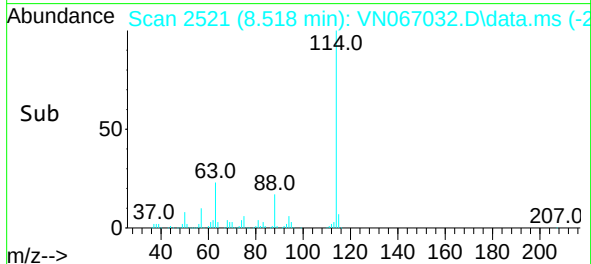
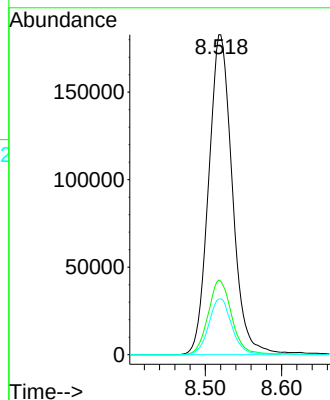
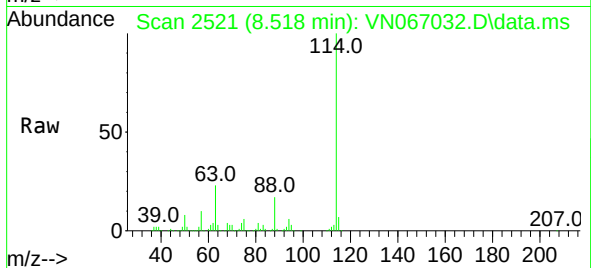
88 16.9 13.8 20.6

Instrument :

MSVOA_N

ClientSampleId :

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#45

1,4-Dioxane

Concen: 0.70 ug/l

RT: 8.649 min Scan# 2570

Delta R.T. -0.485 min

Lab File: VN067032.D

Acq: 7 May 2021 1:11

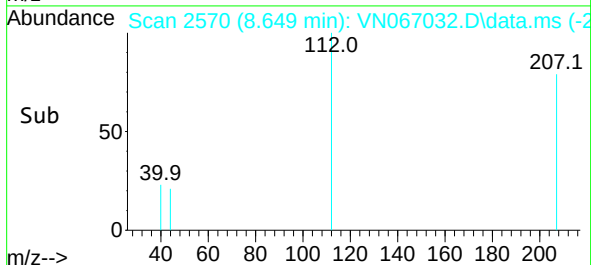
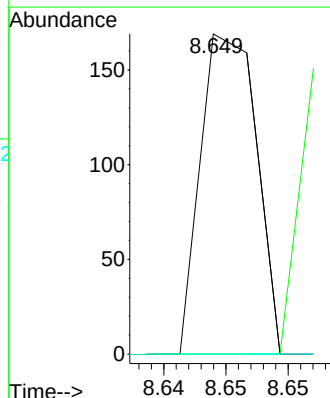
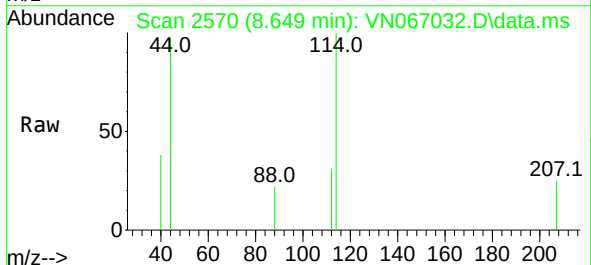
Tgt Ion: 88 Resp: 53

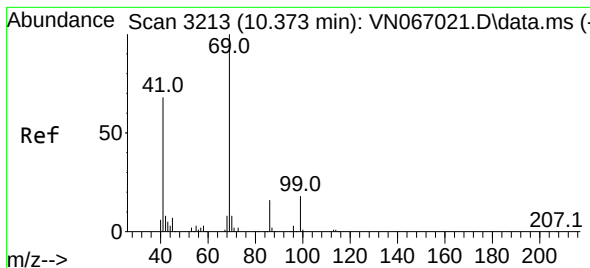
Ion Ratio Lower Upper

88 100

43 0.0 28.0 42.0#

58 0.0 62.8 94.2#

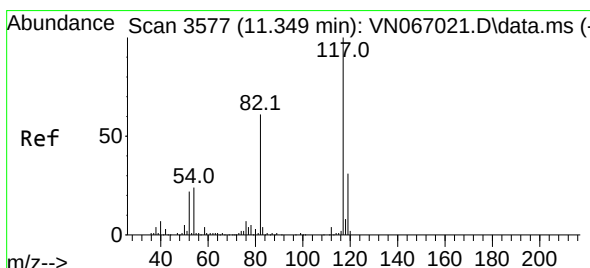
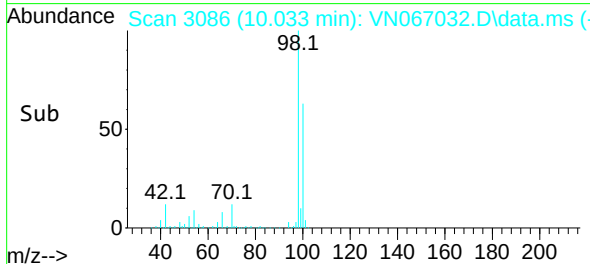
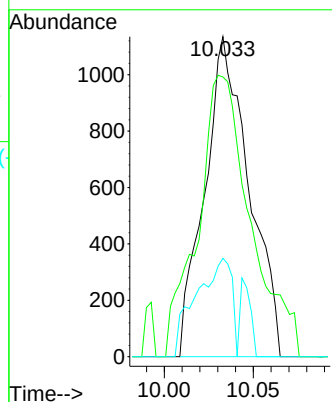
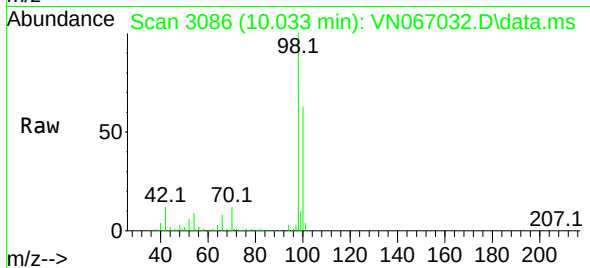




#51
Ethyl methacrylate
Concen: 0.29 ug/l
RT: 10.033 min Scan# 3086
Delta R.T. -0.340 min
Lab File: VN067032.D
Acq: 7 May 2021 1:11

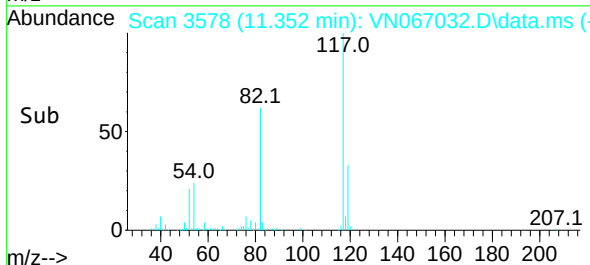
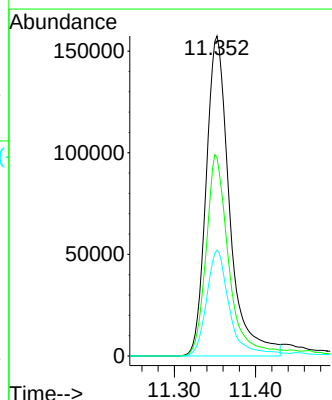
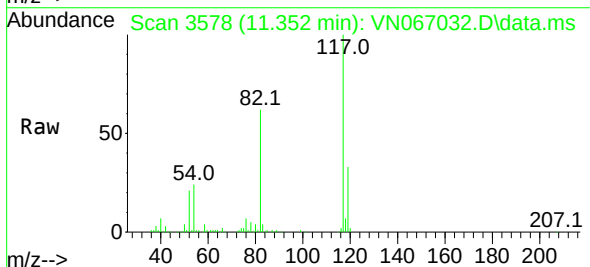
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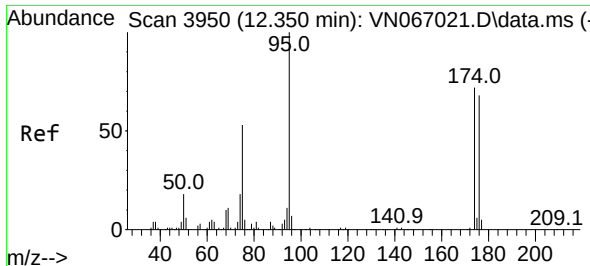
Tgt Ion: 69 Resp: 1971
Ion Ratio Lower Upper
69 100
41 68.1 33.9 101.7
39 30.7 17.3 51.9



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VN067032.D
Acq: 7 May 2021 1:11

Tgt Ion: 117 Resp: 315742
Ion Ratio Lower Upper
117 100
82 59.8 49.3 73.9
119 31.7 25.5 38.3

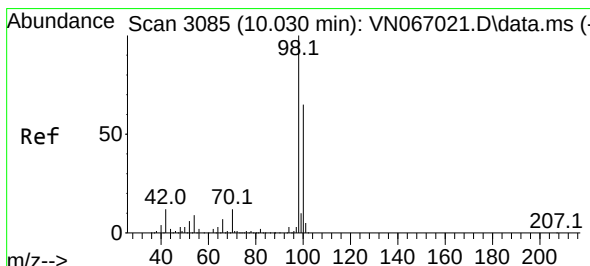
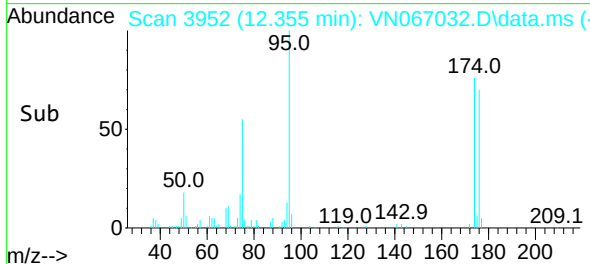
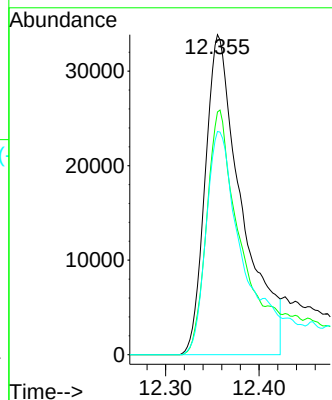
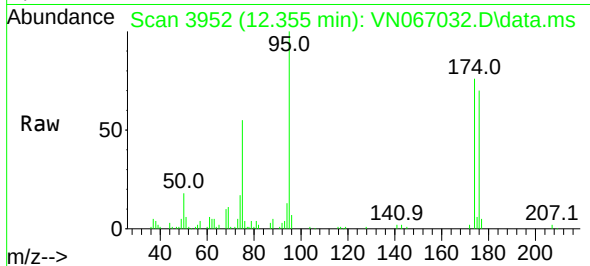




#60
4-Bromofluorobenzene
Concen: 17.50 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.005 min
Lab File: VN067032.D
Acq: 7 May 2021 1:11

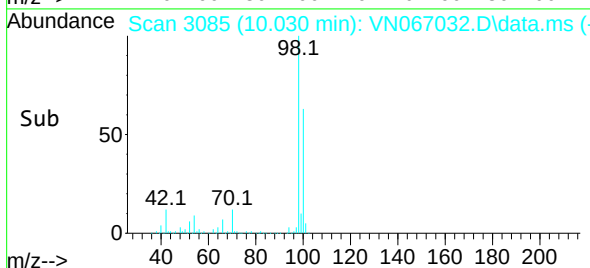
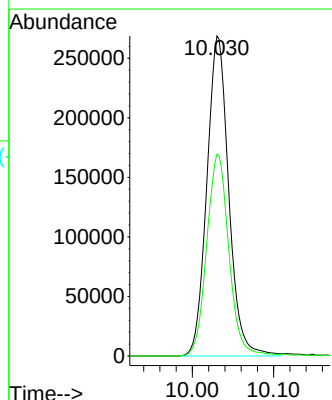
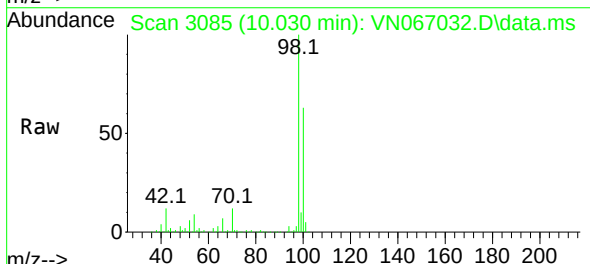
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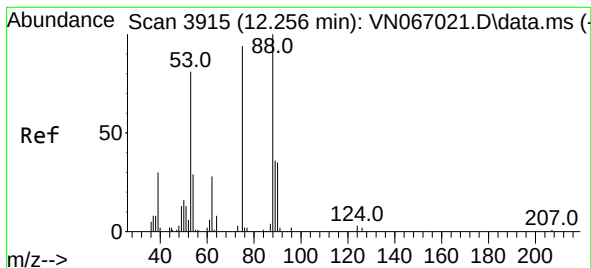
Tgt Ion: 95 Resp: 91926
Ion Ratio Lower Upper
95 100
174 66.9 57.2 85.8
176 62.1 54.5 81.7



#63
Toluene-d8
Concen: 32.17 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN067032.D
Acq: 7 May 2021 1:11

Tgt Ion: 98 Resp: 503181
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7

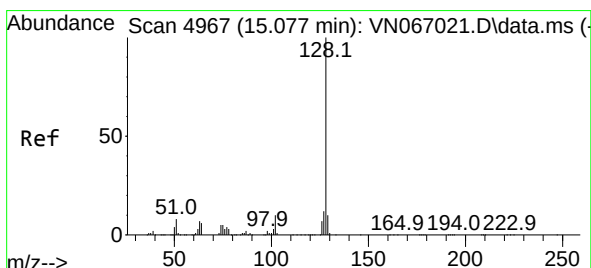
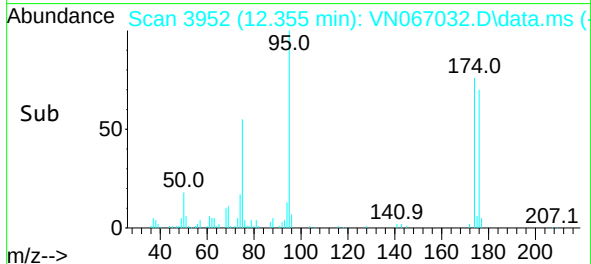
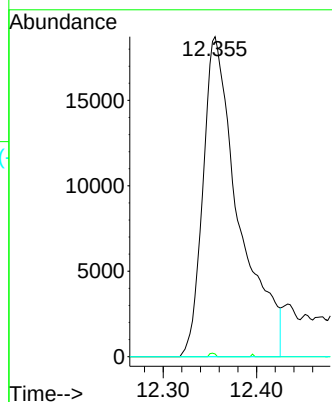
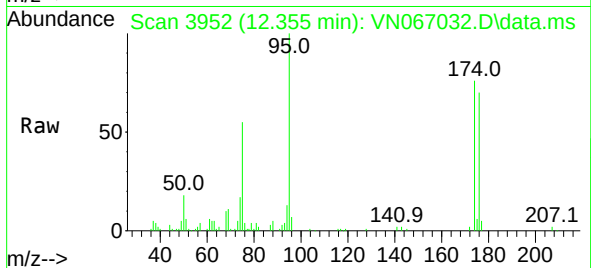




#77
t-1,4-Dichloro-2-butene
Concen: 27.38 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.099 min
Lab File: VN067032.D
Acq: 7 May 2021 1:11

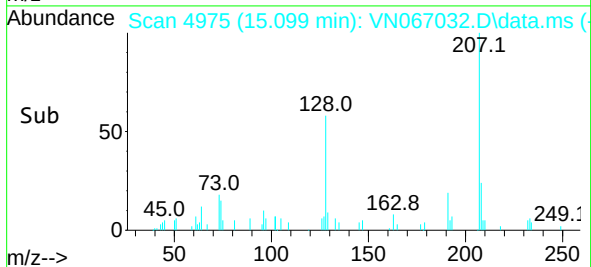
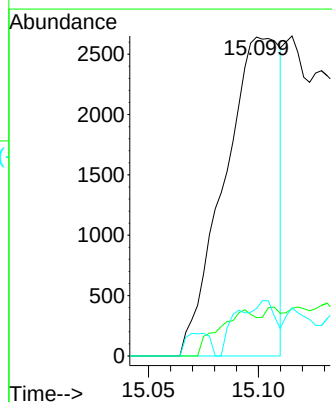
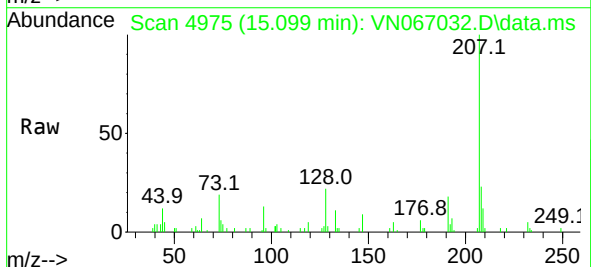
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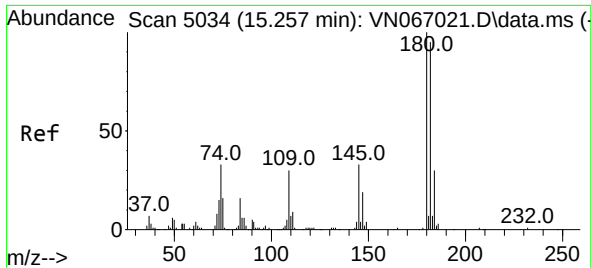
Tgt Ion: 75 Resp: 49824
Ion Ratio Lower Upper
75 100
53 0.9 43.1 129.4#
89 0.0 18.8 56.4#



#91
Naphthalene
Concen: 0.42 ug/l
RT: 15.099 min Scan# 4975
Delta R.T. 0.022 min
Lab File: VN067032.D
Acq: 7 May 2021 1:11

Tgt Ion: 128 Resp: 4602
Ion Ratio Lower Upper
128 100
127 0.0 9.8 14.6#
129 6.5 7.8 11.8#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.52 ug/l
 RT: 15.271 min Scan# 5039
 Delta R.T. 0.014 min
 Lab File: VN067032.D
 Acq: 7 May 2021 1:11

Instrument :
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Tgt Ion:180 Resp: 2161

Ion	Ratio	Lower	Upper
180	100		
182	76.4	0.0	184.4
145	8.3	0.0	67.6

