

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
 Data File : VN067042.D
 Acq On : 7 May 2021 5:10
 Operator : JC/MD
 Sample : M2293-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

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

Quant Time: May 07 07:34:12 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)

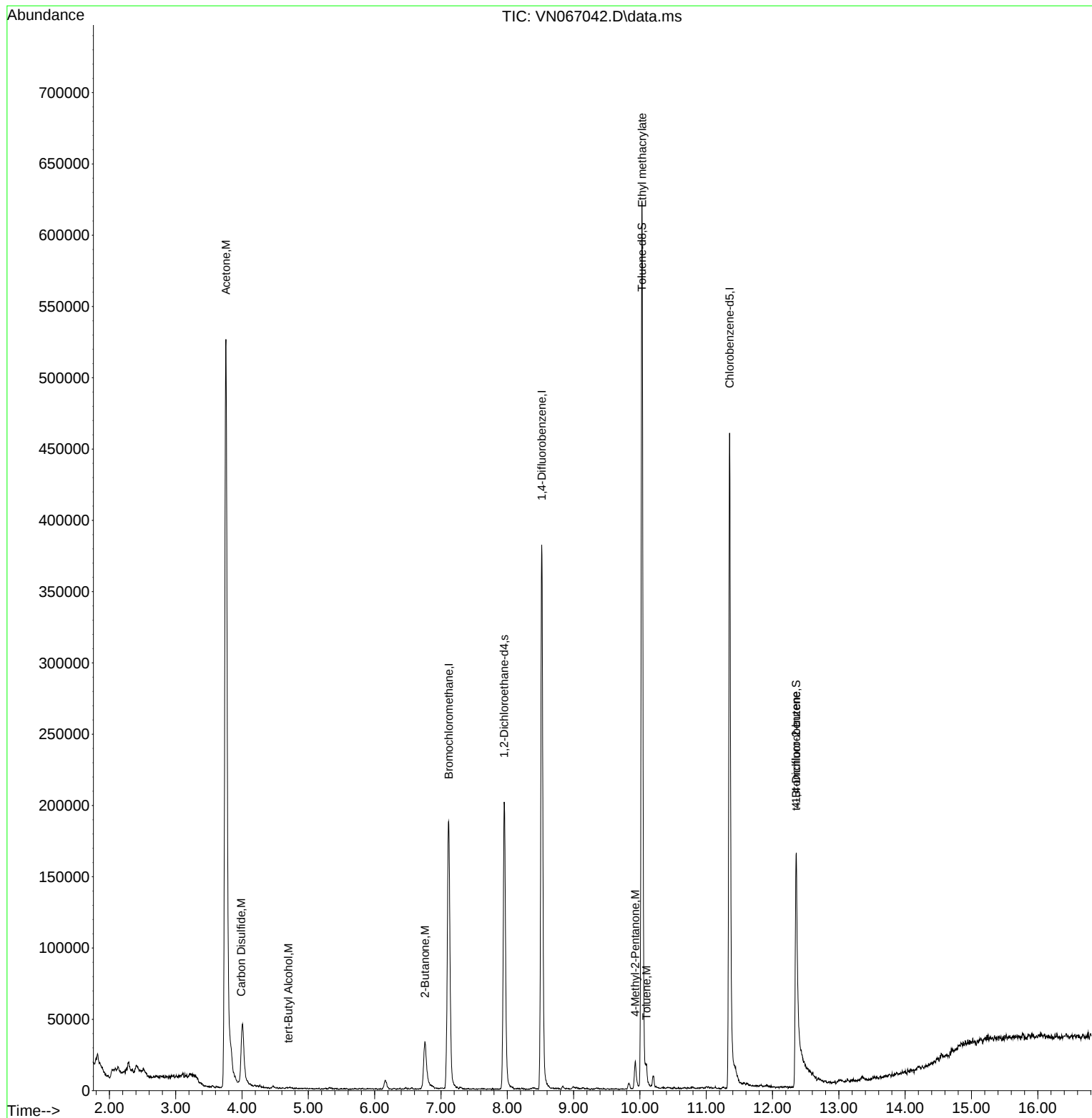
Internal Standards						
1) Bromochloromethane	7.117	128	71538	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.520	114	326752	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.352	117	285983	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.954	65	183497	29.27	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.57%
60) 4-Bromofluorobenzene	12.358	95	91695	19.27	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	64.23%
63) Toluene-d8	10.030	98	435239	30.72	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.40%
Target Compounds						
					Qvalue	
15) Acetone	3.757	58	297849	448.42	ug/l	95
16) Carbon Disulfide	3.990	76	7607	0.56	ug/l	98
23) tert-Butyl Alcohol	4.698	59	359	0.39	ug/l #	100
30) 2-Butanone	6.761	43	58932	21.51	ug/l #	94
51) Ethyl methacrylate	10.035	69	1800	0.31	ug/l	78
58) 4-Methyl-2-Pentanone	9.931	43	16001	2.99	ug/l #	93
62) Toluene	10.097	91	7759	0.44	ug/l	96
77) t-1,4-Dichloro-2-butene	12.355	75	46732	28.09	ug/l #	16

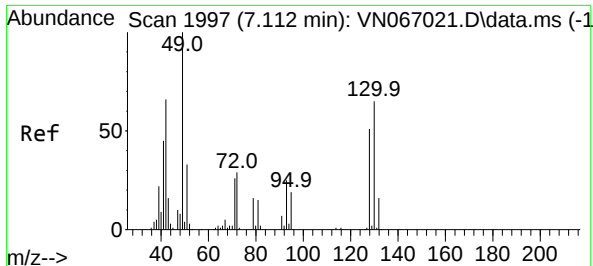
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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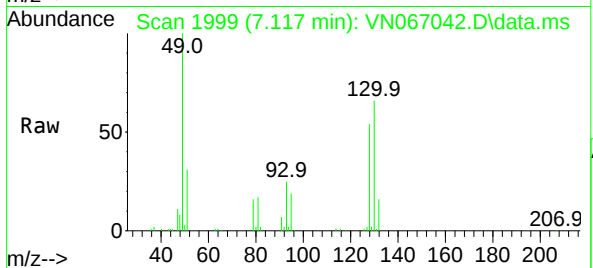
Quant Time: May 07 07:34:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 07 07:26:20 2021
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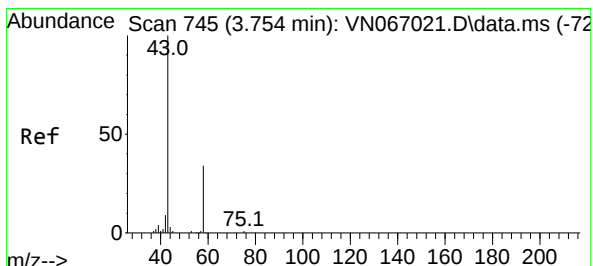
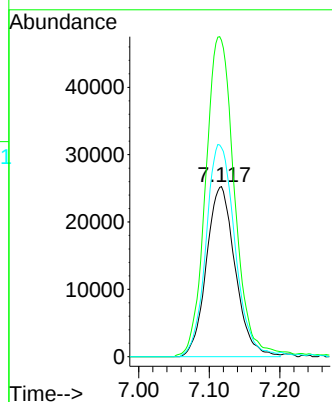
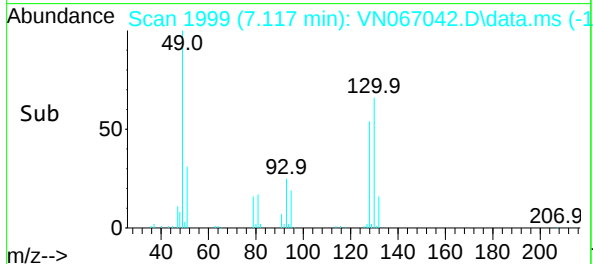


#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.117 min Scan# 1999
Delta R.T. 0.005 min
Lab File: VN067042.D
Acq: 7 May 2021 5:10

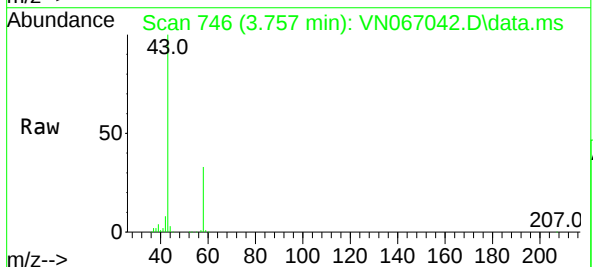
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)



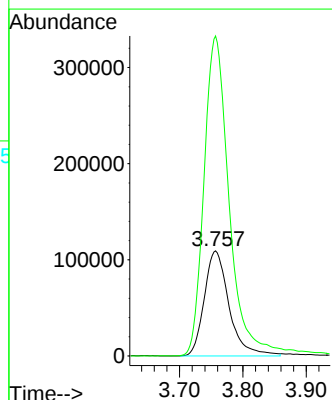
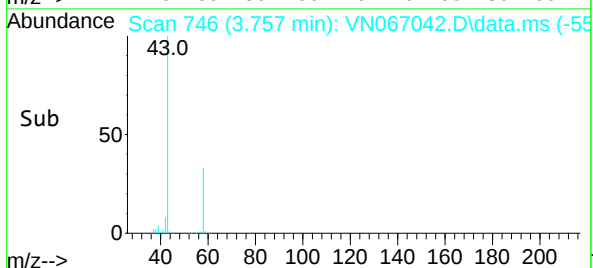
Tgt Ion:128 Resp: 71538
Ion Ratio Lower Upper
128 100
49 189.1 0.0 486.3
130 124.7 0.0 326.0

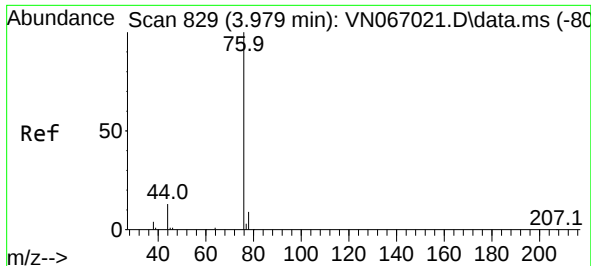


#15
Acetone
Concen: 448.42 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN067042.D
Acq: 7 May 2021 5:10



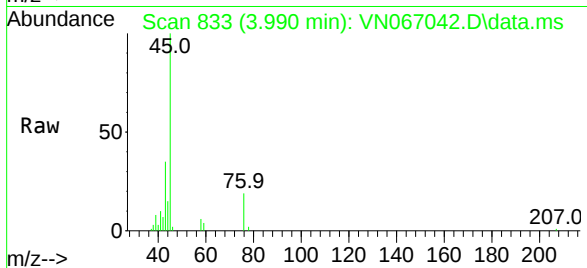
Tgt Ion: 58 Resp: 297849
Ion Ratio Lower Upper
58 100
43 303.9 235.0 352.6



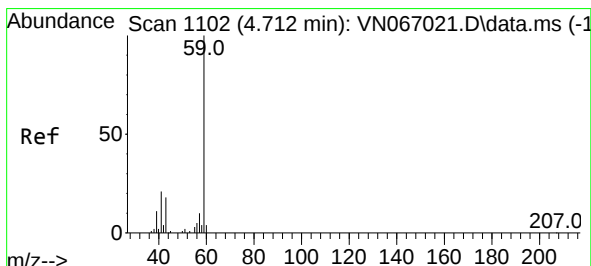
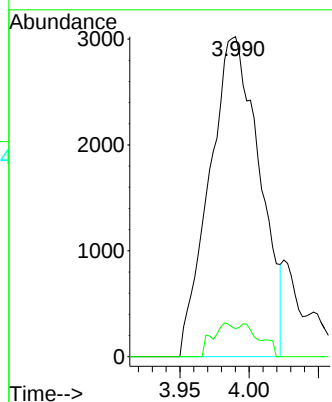
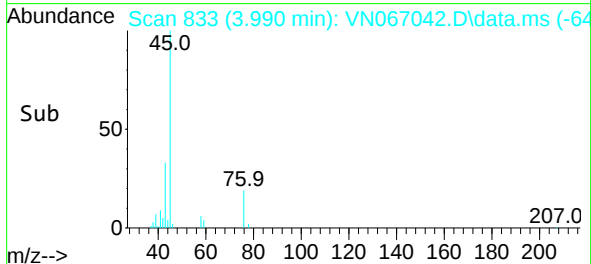


#16
Carbon Disulfide
Concen: 0.56 ug/l
RT: 3.990 min Scan# 833
Delta R.T. 0.011 min
Lab File: VN067042.D
Acq: 7 May 2021 5:10

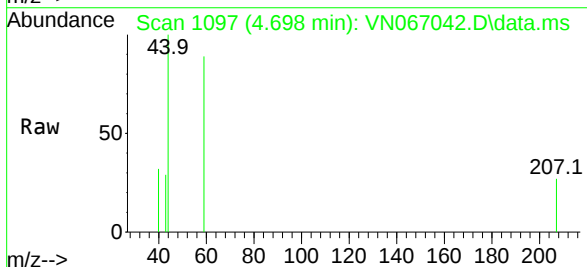
Instrument :
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ClientSampleId :
001-WILLETS-PT-BLVD(MAY)



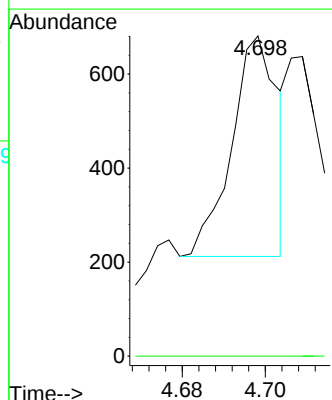
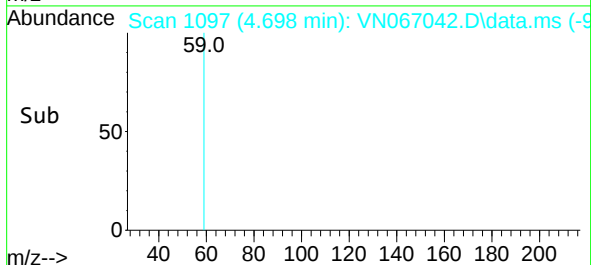
Tgt Ion: 76 Resp: 7607
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3

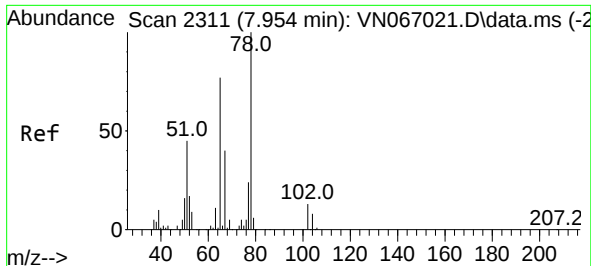


#23
tert-Butyl Alcohol
Concen: 0.39 ug/l
RT: 4.698 min Scan# 1097
Delta R.T. -0.013 min
Lab File: VN067042.D
Acq: 7 May 2021 5:10



Tgt Ion: 59 Resp: 359
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 29.27 ug/l

RT: 7.954 min Scan# 2311

Delta R.T. 0.000 min

Lab File: VN067042.D

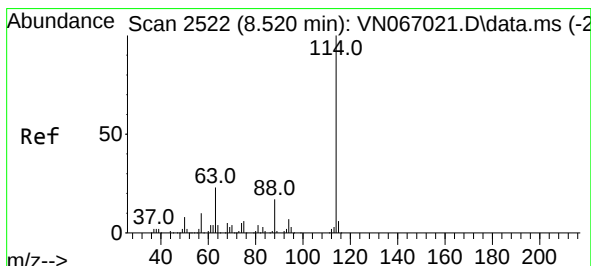
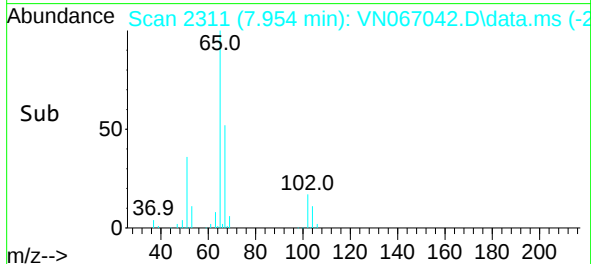
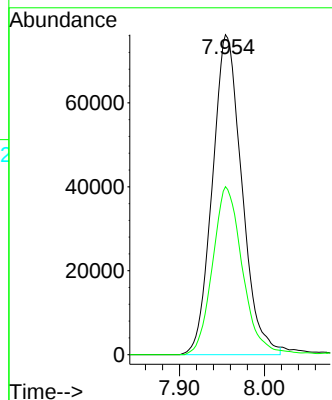
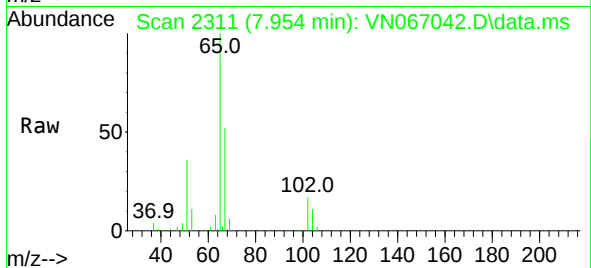
Acq: 7 May 2021 5:10

Tgt Ion: 65 Resp: 183497

Ion Ratio Lower Upper

65 100

67 53.3 41.6 62.4



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.520 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VN067042.D

Acq: 7 May 2021 5:10

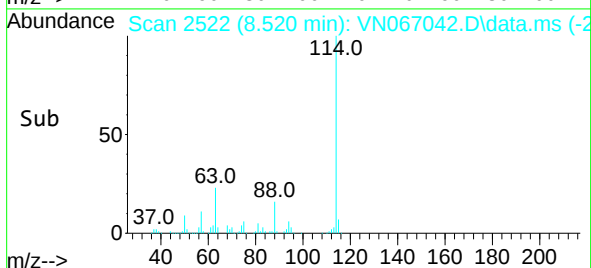
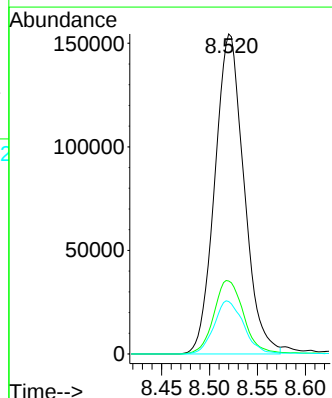
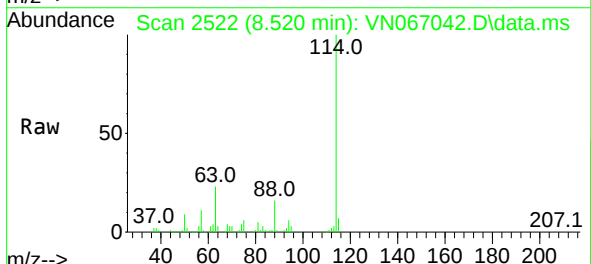
Tgt Ion: 114 Resp: 326752

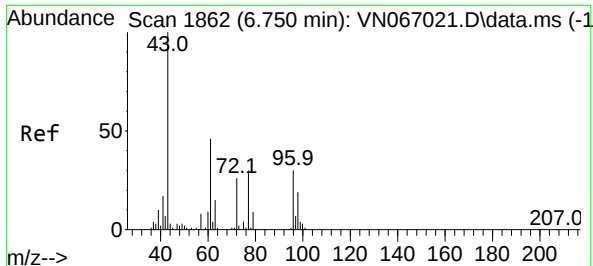
Ion Ratio Lower Upper

114 100

63 23.5 18.8 28.2

88 16.8 13.8 20.6

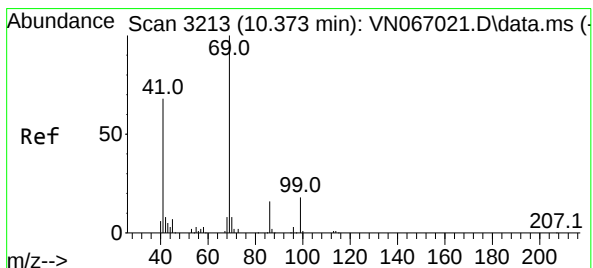
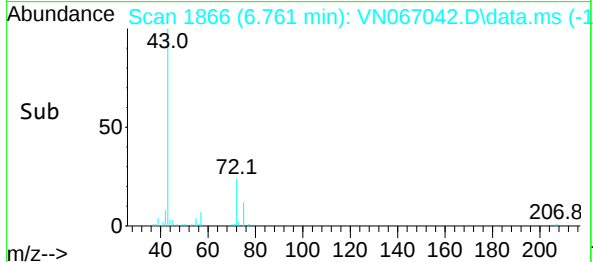
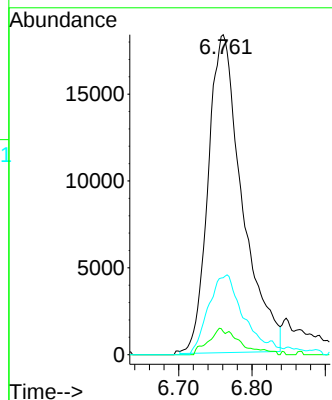
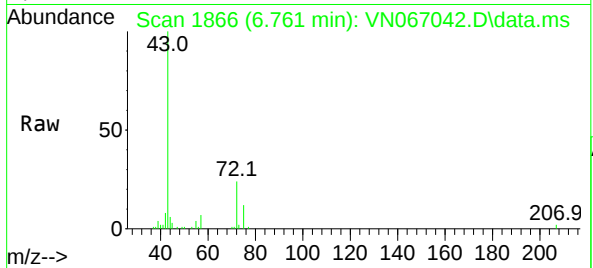




#30
2-Butanone
Concen: 21.51 ug/l
RT: 6.761 min Scan# 1866
Delta R.T. 0.011 min
Lab File: VN067042.D
Acq: 7 May 2021 5:10

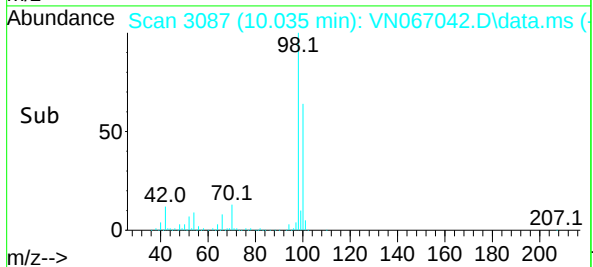
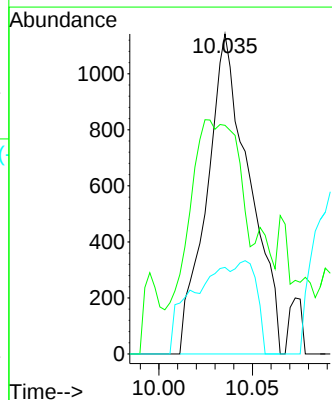
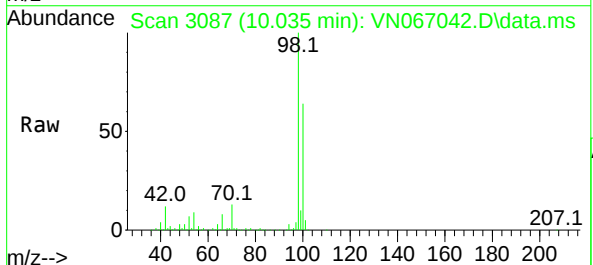
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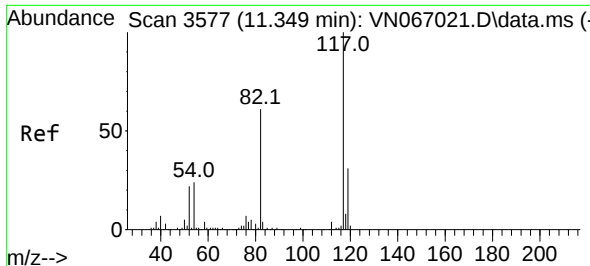
Tgt Ion: 43 Resp: 58932
Ion Ratio Lower Upper
43 100
57 2.2 6.5 9.7#
72 25.4 21.2 31.8



#51
Ethyl methacrylate
Concen: 0.31 ug/l
RT: 10.035 min Scan# 3087
Delta R.T. -0.338 min
Lab File: VN067042.D
Acq: 7 May 2021 5:10

Tgt Ion: 69 Resp: 1800
Ion Ratio Lower Upper
69 100
41 46.6 33.9 101.7
39 27.1 17.3 51.9

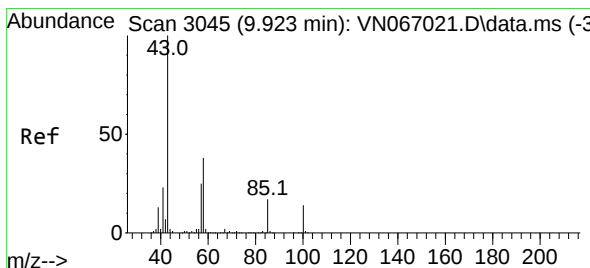
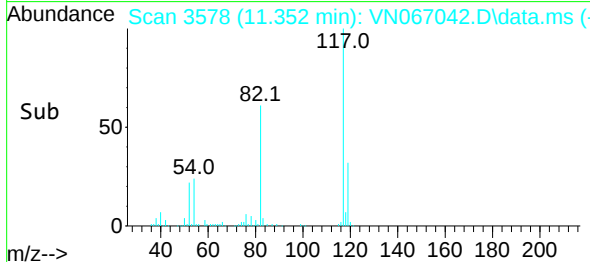
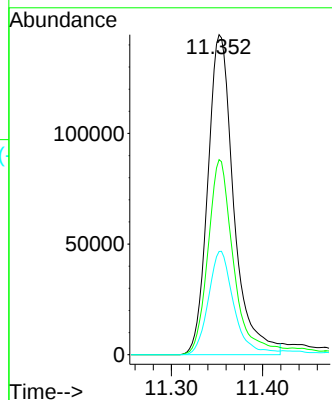
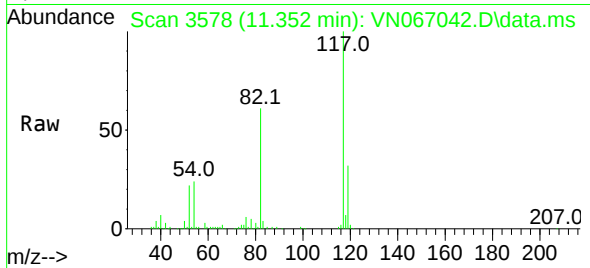




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VN067042.D
Acq: 7 May 2021 5:10

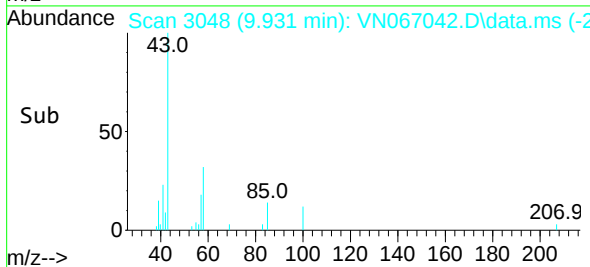
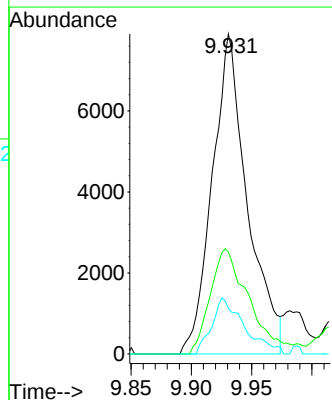
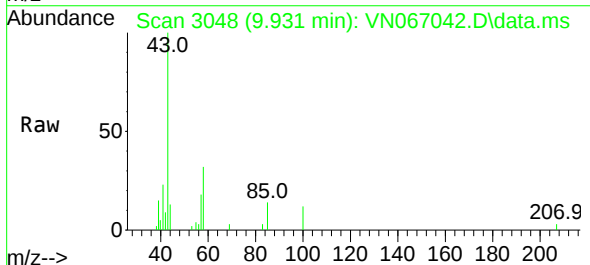
Instrument :
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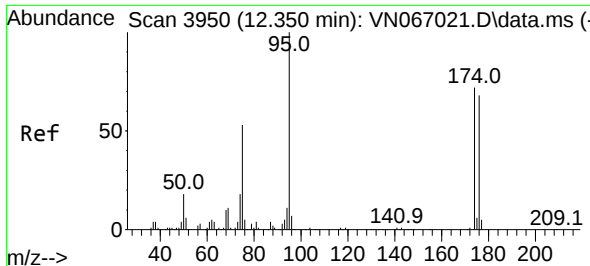
Tgt Ion:	117	Resp:	285983
Ion	Ratio	Lower	Upper
117	100		
82	60.5	49.3	73.9
119	31.0	25.5	38.3



#58
4-Methyl-2-Pentanone
Concen: 2.99 ug/l
RT: 9.931 min Scan# 3048
Delta R.T. 0.008 min
Lab File: VN067042.D
Acq: 7 May 2021 5:10

Tgt Ion:	43	Resp:	16001
Ion	Ratio	Lower	Upper
43	100		
58	36.2	30.4	45.6
85	10.3	13.4	20.0

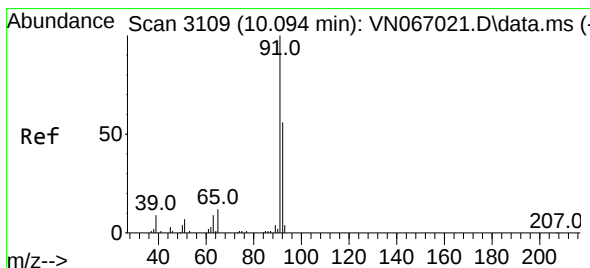
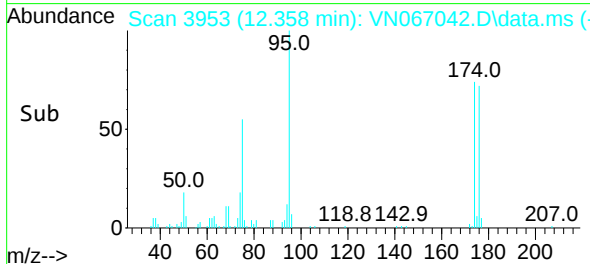
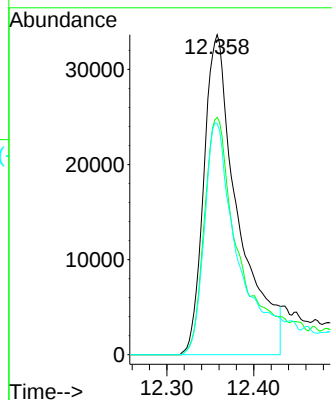
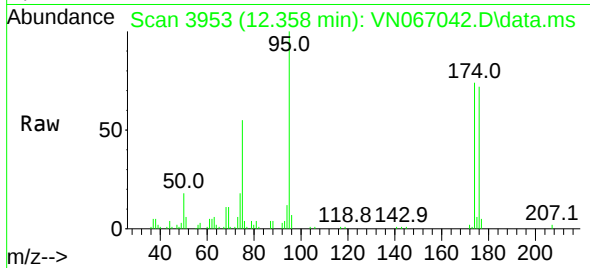




#60
4-Bromofluorobenzene
Concen: 19.27 ug/l
RT: 12.358 min Scan# 3953
Delta R.T. 0.008 min
Lab File: VN067042.D
Acq: 7 May 2021 5:10

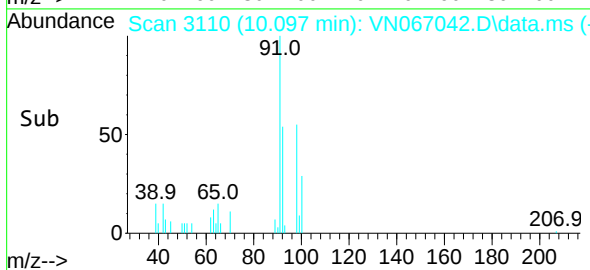
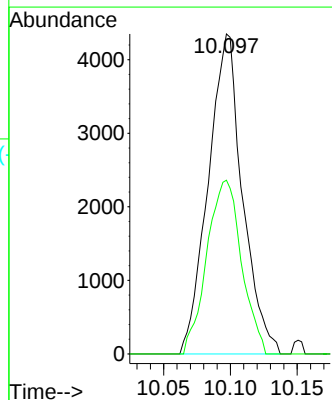
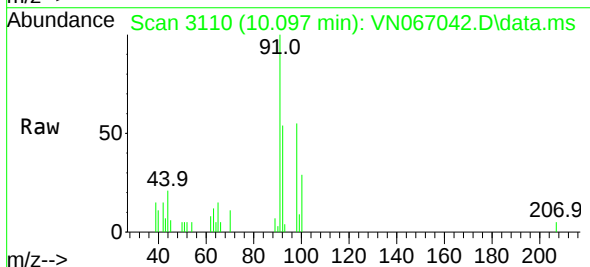
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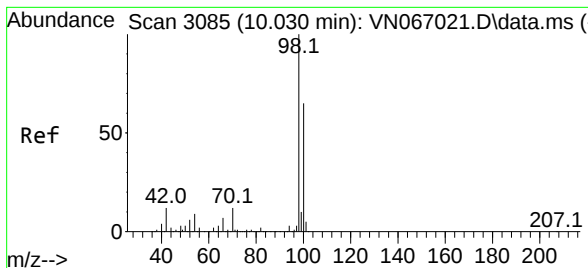
Tgt Ion: 95 Resp: 91695
Ion Ratio Lower Upper
95 100
174 63.1 57.2 85.8
176 65.8 54.5 81.7



#62
Toluene
Concen: 0.44 ug/l
RT: 10.097 min Scan# 3110
Delta R.T. 0.003 min
Lab File: VN067042.D
Acq: 7 May 2021 5:10

Tgt Ion: 91 Resp: 7759
Ion Ratio Lower Upper
91 100
92 54.9 46.2 69.2

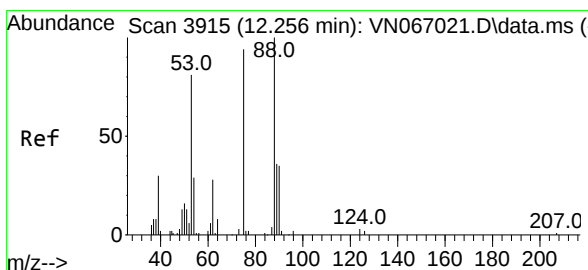
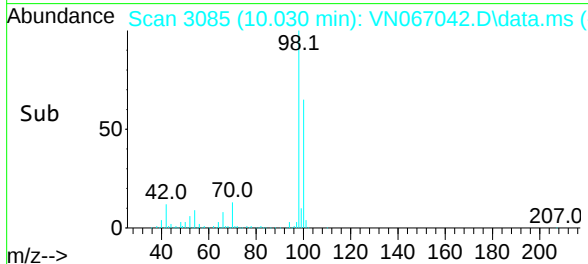
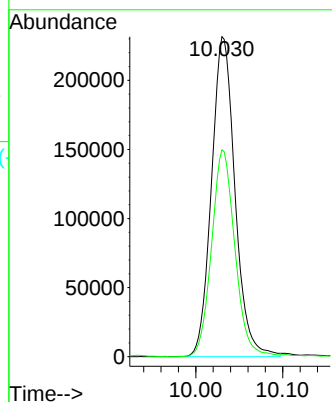
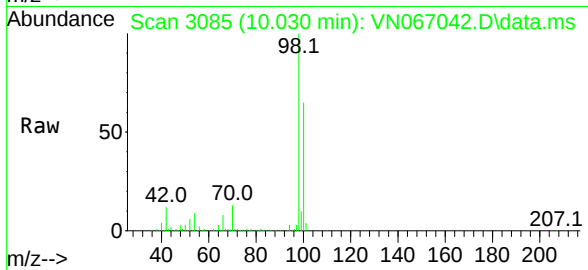




#63
Toluene-d8
Concen: 30.72 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN067042.D
Acq: 7 May 2021 5:10

Instrument :
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Tgt Ion: 98 Resp: 435239
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 28.09 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.099 min
Lab File: VN067042.D
Acq: 7 May 2021 5:10

Tgt Ion: 75 Resp: 46732
Ion Ratio Lower Upper
75 100
53 0.0 43.1 129.4#
89 0.0 18.8 56.4#

