

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
 Data File : VN067043.D
 Acq On : 7 May 2021 5:34
 Operator : JC/MD
 Sample : M2293-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(MAY)

Quant Time: May 07 07:34:24 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)

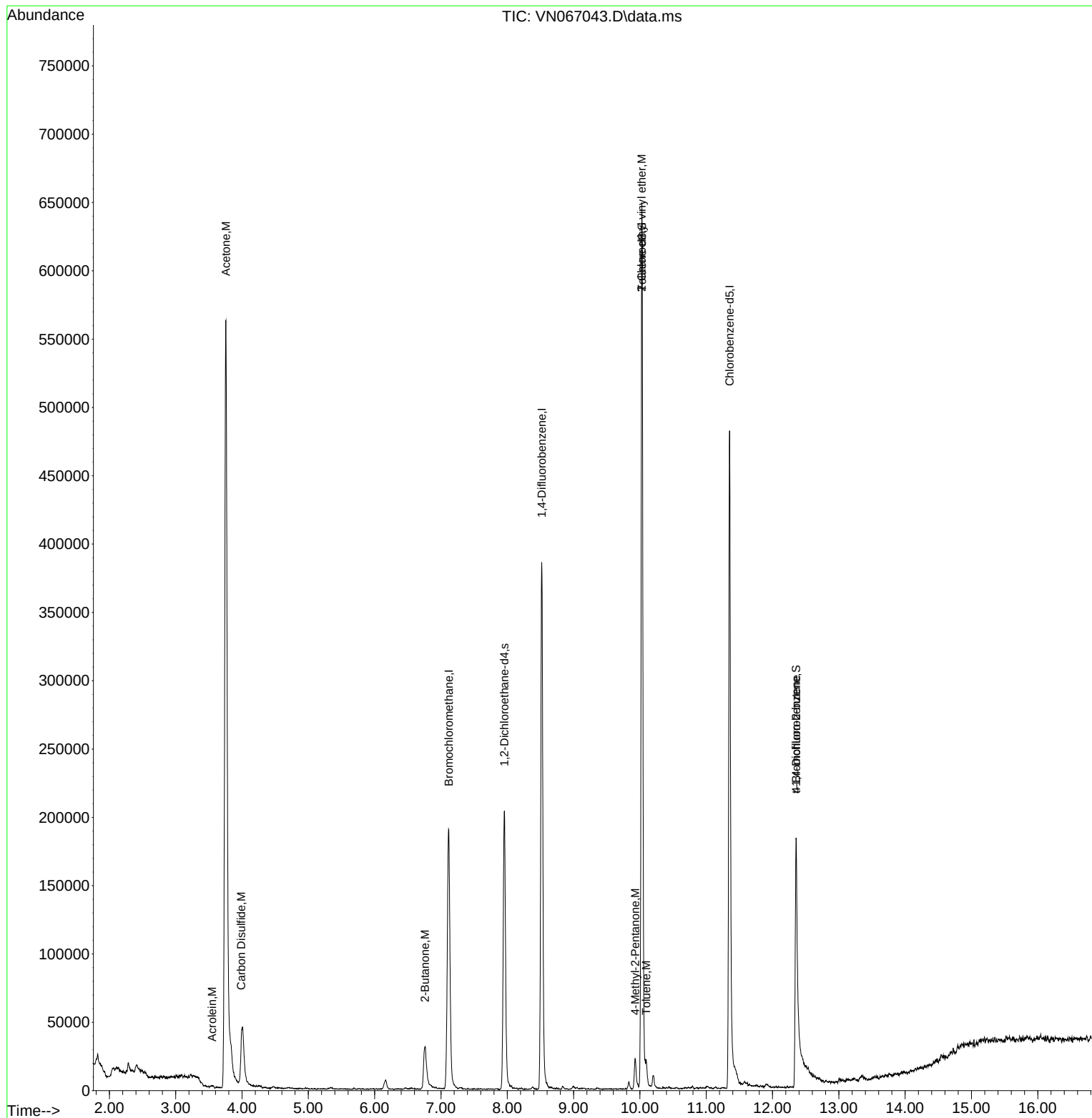
Internal Standards						
1) Bromochloromethane	7.117	128	71714	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.520	114	337488	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.352	117	304095	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.957	65	187494	29.84	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.47%
60) 4-Bromofluorobenzene	12.355	95	93714	18.52	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	61.73%#
63) Toluene-d8	10.030	98	451635	29.98	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.93%
Target Compounds						
						Qvalue
13) Acrolein	3.548	56	291	0.31	ug/l	83
15) Acetone	3.757	58	317713	477.15	ug/l	96
16) Carbon Disulfide	3.990	76	9633	0.71	ug/l	95
30) 2-Butanone	6.758	43	63193	22.33	ug/l #	70
55) 2-Chloroethyl vinyl ether	10.027	63	442	0.39	ug/l #	1
58) 4-Methyl-2-Pentanone	9.931	43	18539	3.26	ug/l	98
62) Toluene	10.094	91	10068	0.54	ug/l	100
77) t-1,4-Dichloro-2-butene	12.355	75	49663	28.07	ug/l #	16

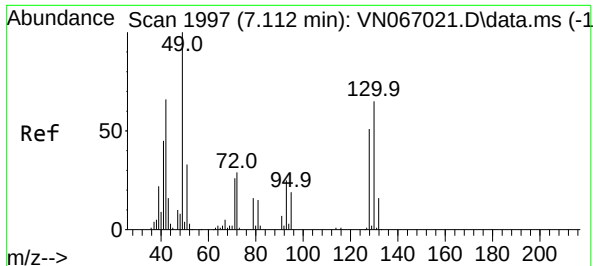
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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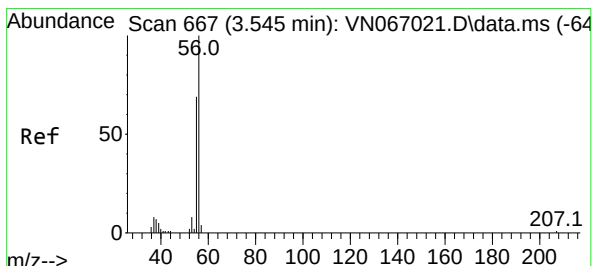
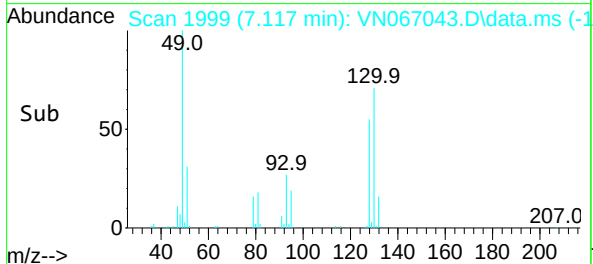
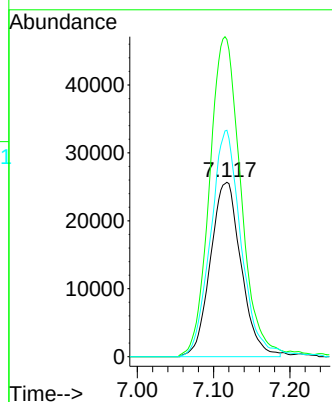
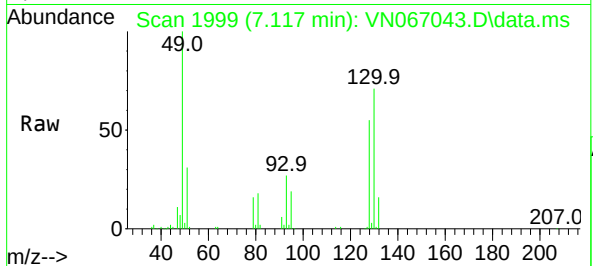




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.117 min Scan# 1999
Delta R.T. 0.005 min
Lab File: VN067043.D
Acq: 7 May 2021 5:34

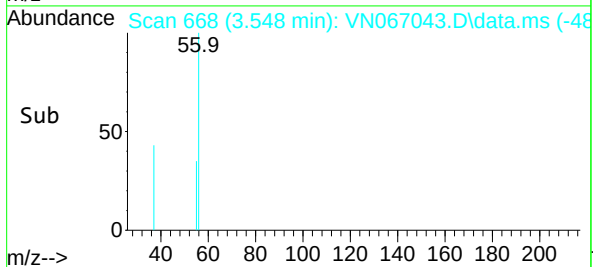
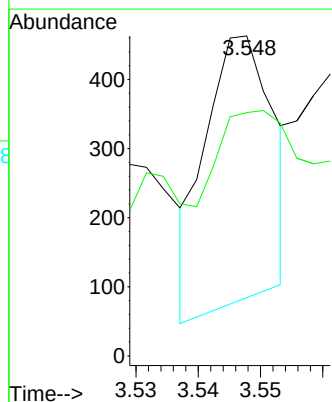
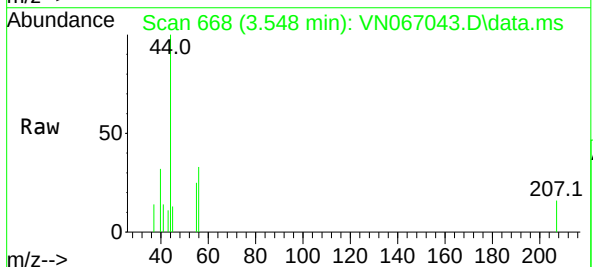
Instrument :
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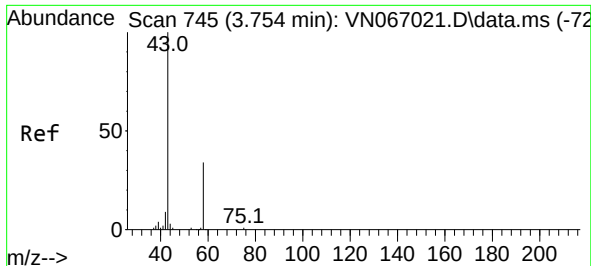
Tgt Ion:128 Resp: 71714
Ion Ratio Lower Upper
128 100
49 186.5 0.0 486.3
130 127.6 0.0 326.0



#13
Acrolein
Concen: 0.31 ug/l
RT: 3.548 min Scan# 668
Delta R.T. 0.003 min
Lab File: VN067043.D
Acq: 7 May 2021 5:34

Tgt Ion: 56 Resp: 291
Ion Ratio Lower Upper
56 100
55 56.7 56.6 84.8

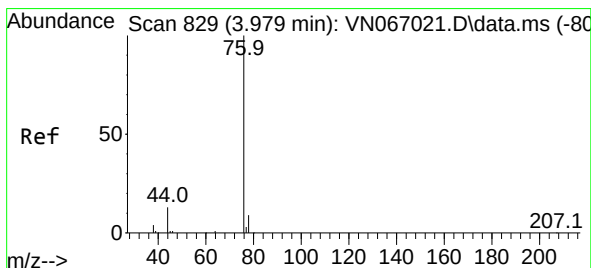
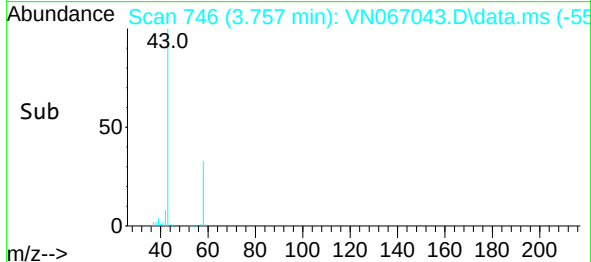
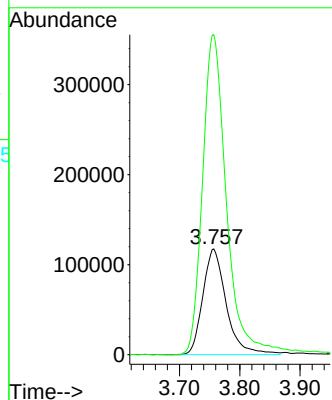
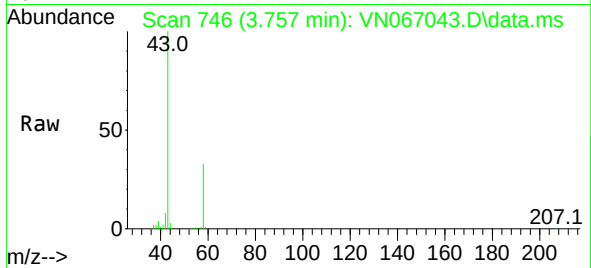




#15
Acetone
Concen: 477.15 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN067043.D
Acq: 7 May 2021 5:34

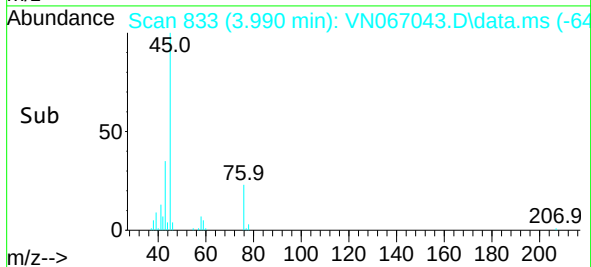
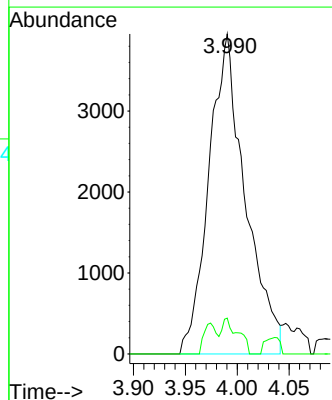
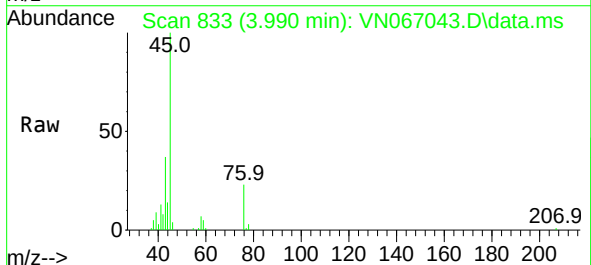
Instrument :
MSVOA_N
ClientSampleId :
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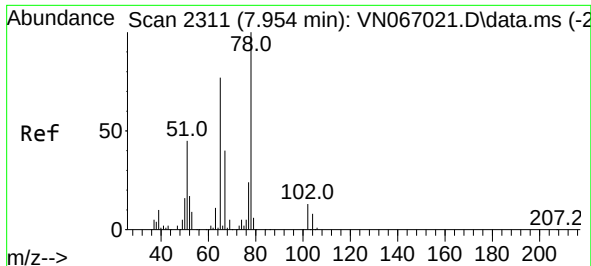
Tgt Ion: 58 Resp: 317713
Ion Ratio Lower Upper
58 100
43 302.0 235.0 352.6



#16
Carbon Disulfide
Concen: 0.71 ug/l
RT: 3.990 min Scan# 833
Delta R.T. 0.011 min
Lab File: VN067043.D
Acq: 7 May 2021 5:34

Tgt Ion: 76 Resp: 9633
Ion Ratio Lower Upper
76 100
78 11.2 7.5 11.3





#27

1,2-Dichloroethane-d4

Concen: 29.84 ug/l

RT: 7.957 min Scan# 2312

Delta R.T. 0.003 min

Lab File: VN067043.D

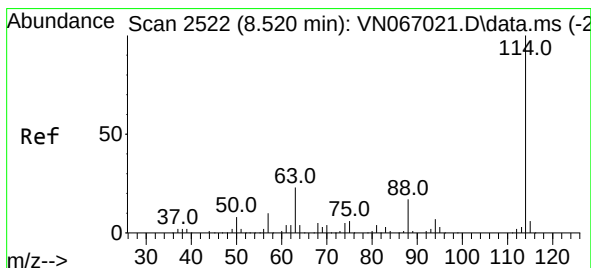
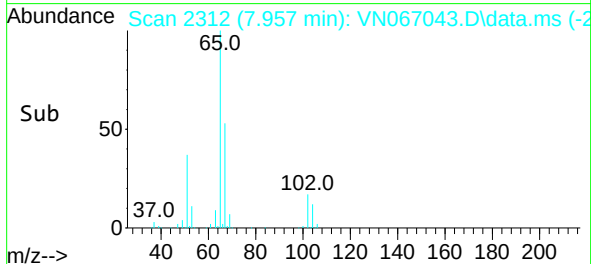
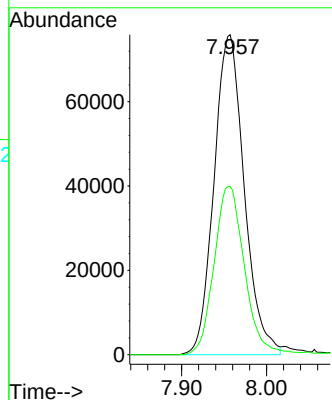
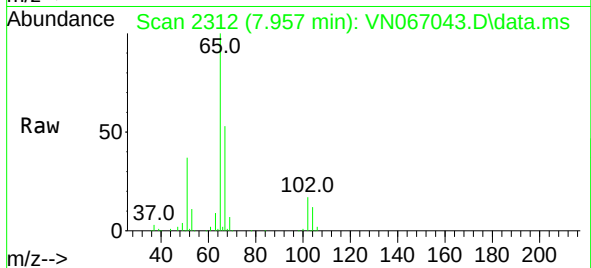
Acq: 7 May 2021 5:34

Tgt Ion: 65 Resp: 187494

Ion Ratio Lower Upper

65 100

67 52.7 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: VN067043.D

Acq: 7 May 2021 5:34

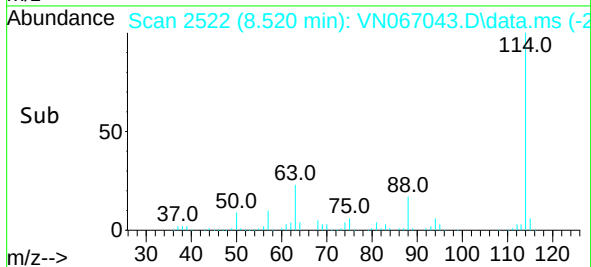
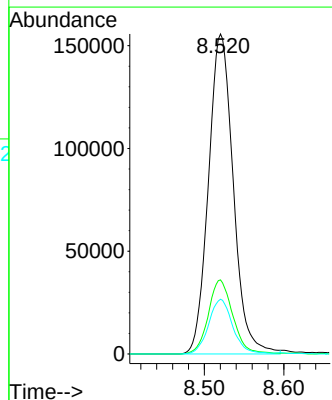
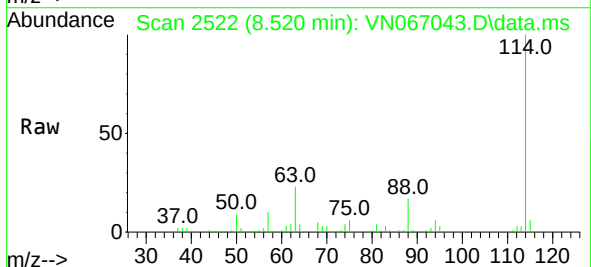
Tgt Ion: 114 Resp: 337488

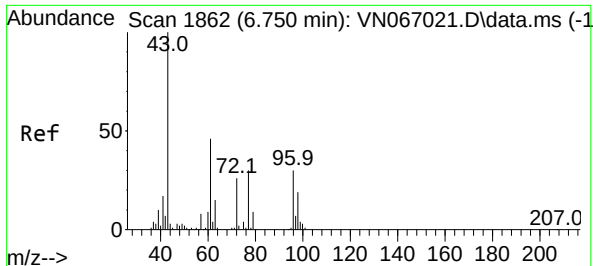
Ion Ratio Lower Upper

114 100

63 22.8 18.8 28.2

88 16.6 13.8 20.6

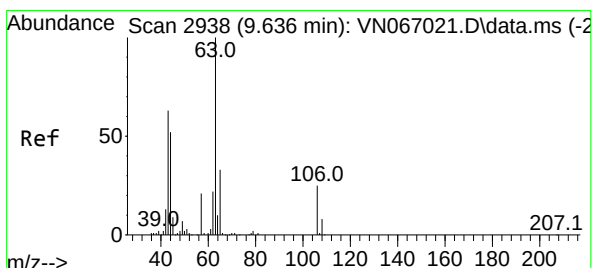
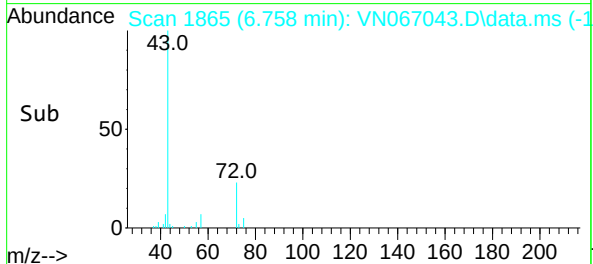
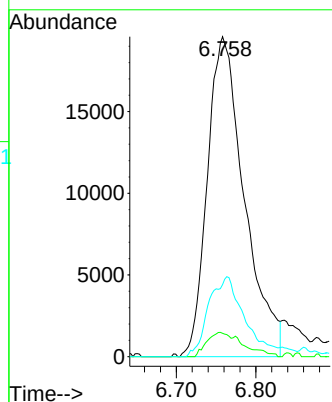
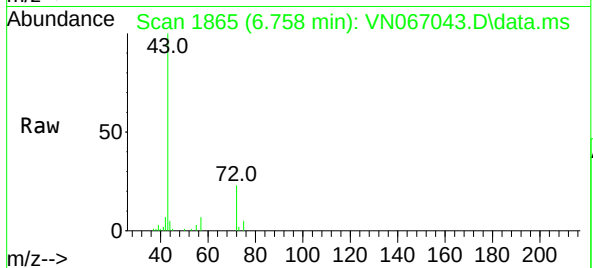




#30
2-Butanone
Concen: 22.33 ug/l
RT: 6.758 min Scan# 1865
Delta R.T. 0.008 min
Lab File: VN067043.D
Acq: 7 May 2021 5:34

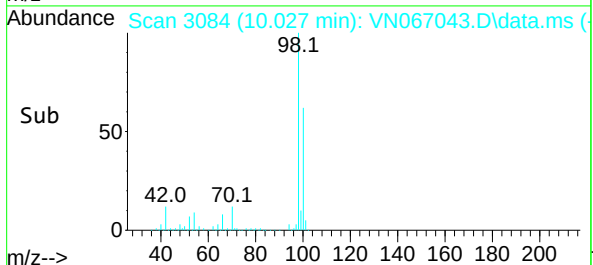
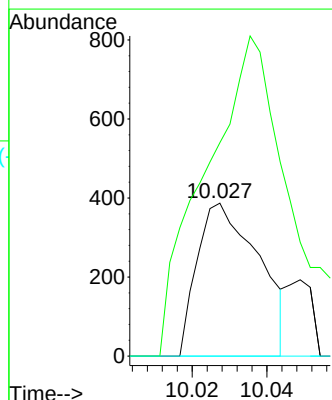
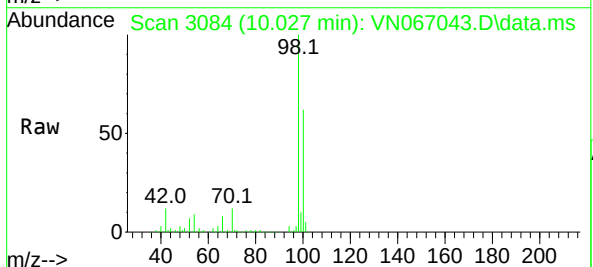
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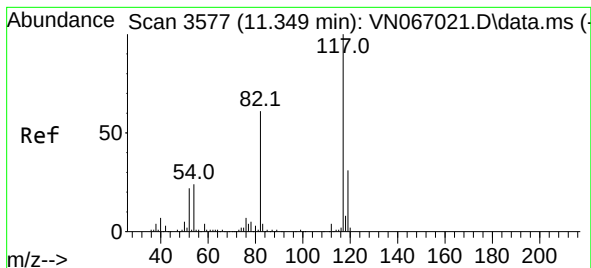
Tgt Ion: 43 Resp: 63193
Ion Ratio Lower Upper
43 100
57 4.6 6.5 9.7#
72 8.0 21.2 31.8#



#55
2-Chloroethyl vinyl ether
Concen: 0.39 ug/l
RT: 10.027 min Scan# 3084
Delta R.T. 0.392 min
Lab File: VN067043.D
Acq: 7 May 2021 5:34

Tgt Ion: 63 Resp: 442
Ion Ratio Lower Upper
63 100
65 266.1 25.4 38.2#
106 0.0 18.9 28.3#

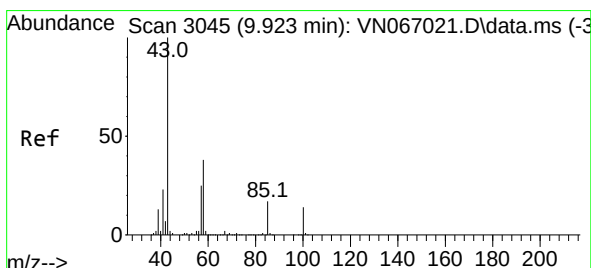
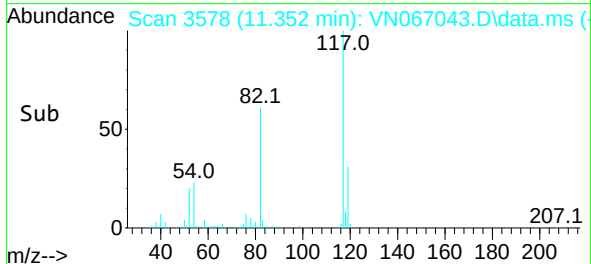
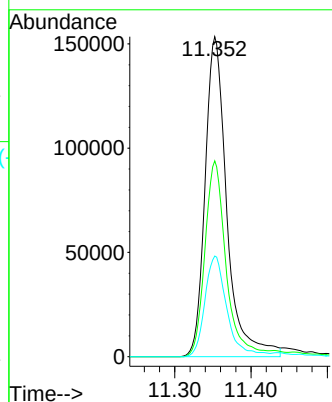
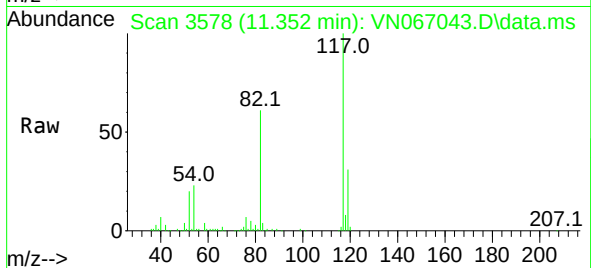




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VN067043.D
Acq: 7 May 2021 5:34

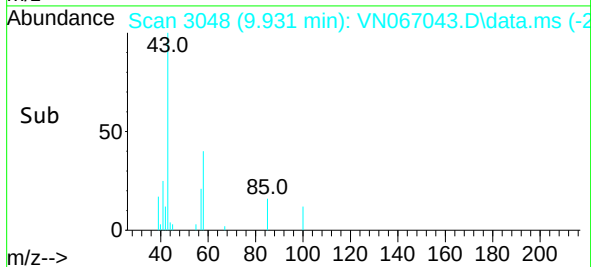
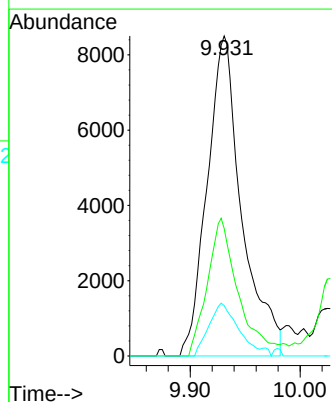
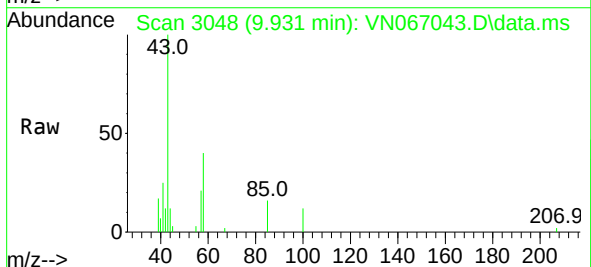
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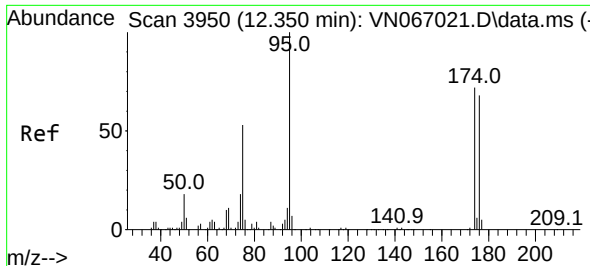
Tgt Ion:117 Resp: 304095
Ion Ratio Lower Upper
117 100
82 59.4 49.3 73.9
119 30.8 25.5 38.3



#58
4-Methyl-2-Pentanone
Concen: 3.26 ug/l
RT: 9.931 min Scan# 3048
Delta R.T. 0.008 min
Lab File: VN067043.D
Acq: 7 May 2021 5:34

Tgt Ion: 43 Resp: 18539
Ion Ratio Lower Upper
43 100
58 37.7 30.4 45.6
85 13.9 13.4 20.0

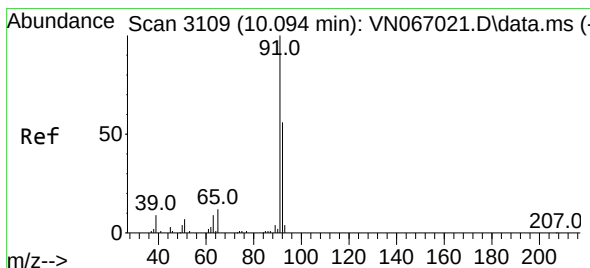
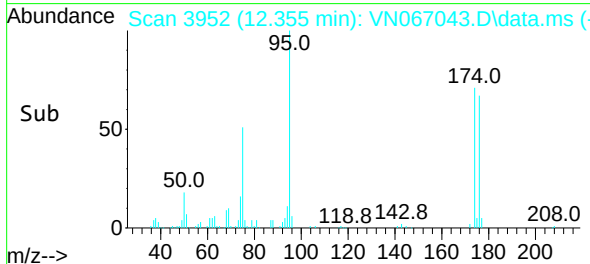
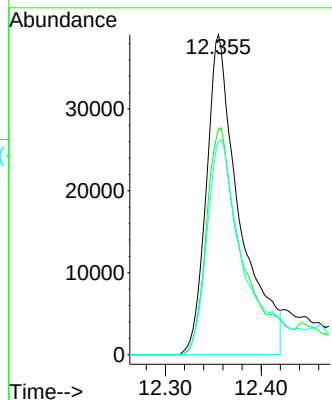
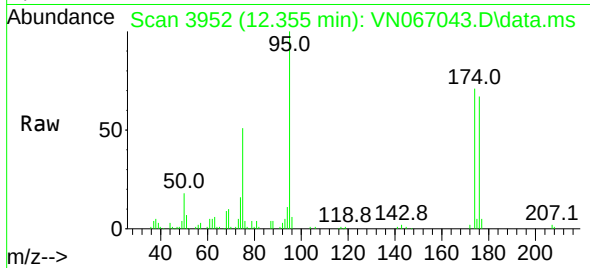




#60
4-Bromofluorobenzene
Concen: 18.52 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.005 min
Lab File: VN067043.D
Acq: 7 May 2021 5:34

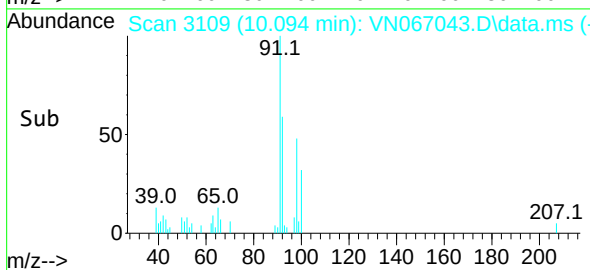
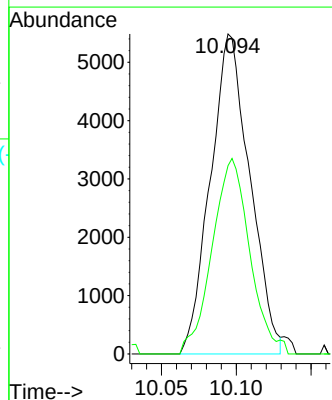
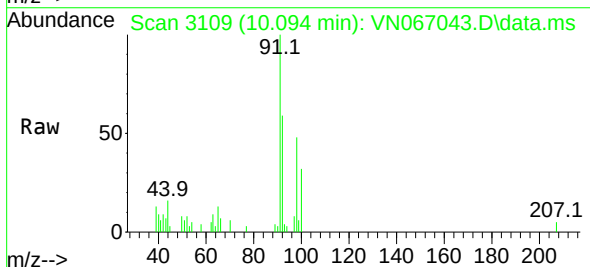
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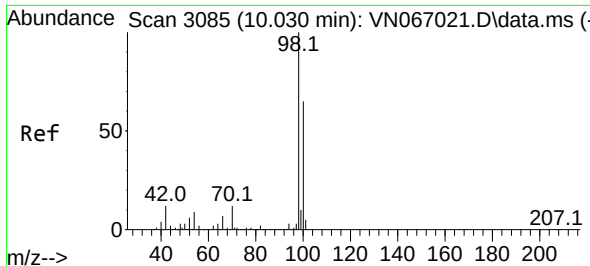
Tgt Ion: 95 Resp: 93714
Ion Ratio Lower Upper
95 100
174 70.4 57.2 85.8
176 68.6 54.5 81.7



#62
Toluene
Concen: 0.54 ug/l
RT: 10.094 min Scan# 3109
Delta R.T. 0.000 min
Lab File: VN067043.D
Acq: 7 May 2021 5:34

Tgt Ion: 91 Resp: 10068
Ion Ratio Lower Upper
91 100
92 57.4 46.2 69.2

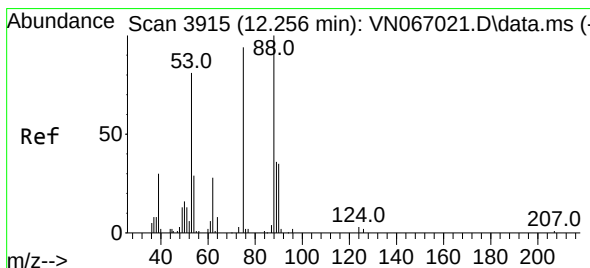
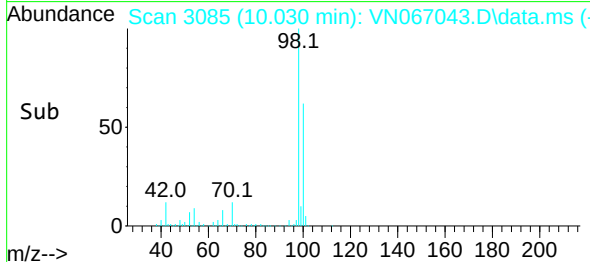
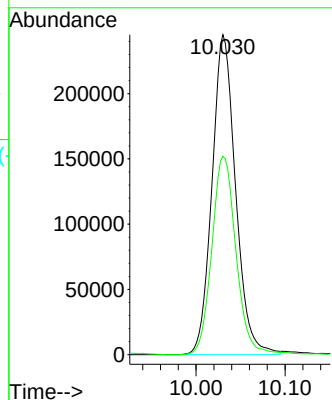
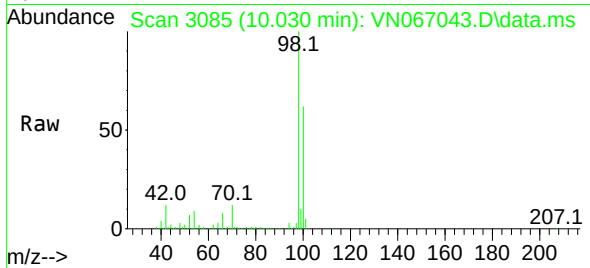




#63
Toluene-d8
Concen: 29.98 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN067043.D
Acq: 7 May 2021 5:34

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002-35TH-AVE(MAY)

Tgt Ion: 98 Resp: 451635
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 28.07 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.099 min
Lab File: VN067043.D
Acq: 7 May 2021 5:34

Tgt Ion: 75 Resp: 49663
Ion Ratio Lower Upper
75 100
53 0.0 43.1 129.4#
89 0.0 18.8 56.4#

