

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059115.D
 Acq On : 7 Nov 2019 12:36
 Operator : JC/SP
 Sample : K5704-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WGGM-19-WW-TSF-040

Quant Time: Nov 08 01:09:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	74230	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	396744	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	340222	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.00	65	179066	28.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.73%
60) 4-Bromofluorobenzene	12.40	95	144060	24.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	80.70%
63) Toluene-d8	10.08	98	485858	30.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.83%

Target Compounds

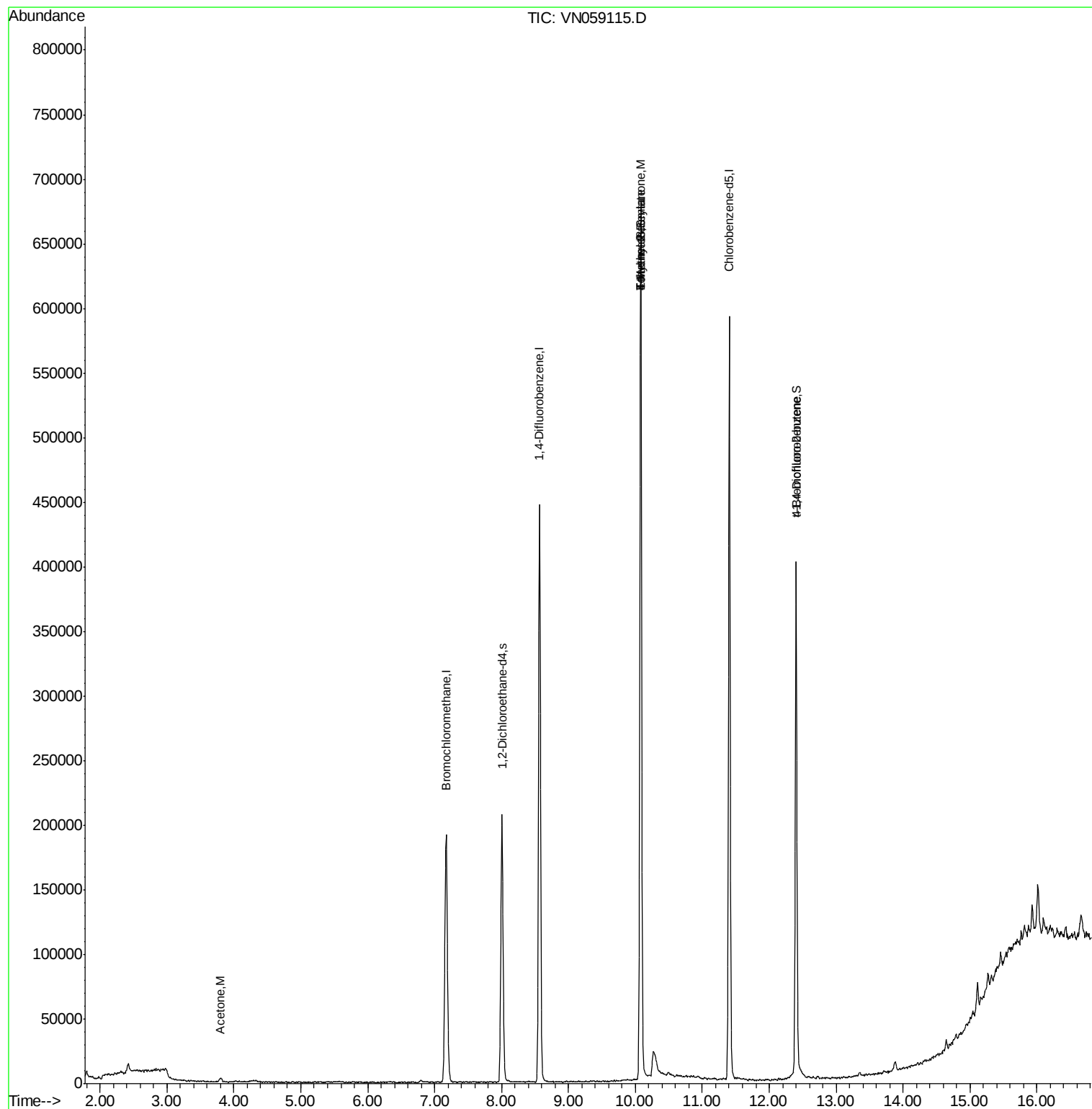
					Ovalue	
15) Acetone	3.80	58	1412	1.943	ug/l #	26
51) Ethyl methacrylate	10.09	69	1541	0.213	ug/l	88
58) 4-Methyl-2-Pentanone	10.08	43	2170	0.350	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	72247	31.374	ug/l #	10

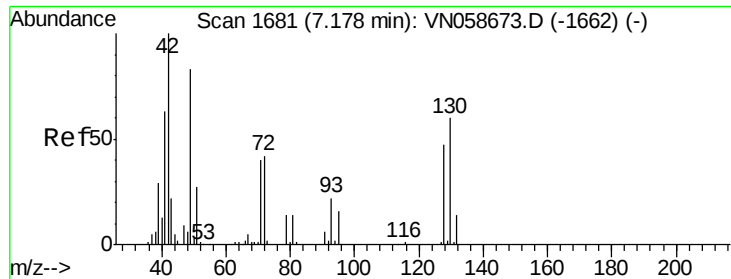
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN059115.D

Acq: 7 Nov 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

WGGM-19-WW-TSF-040

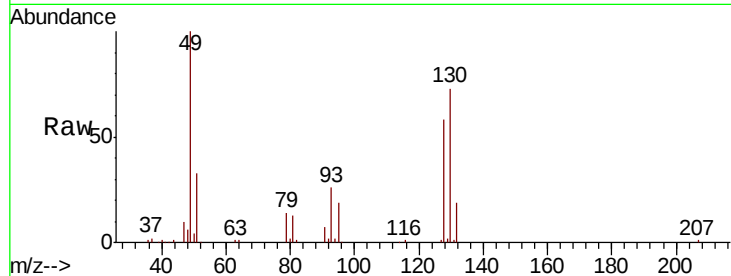
Tot Ion:128 Resp: 74230

Ion Ratio Lower Upper

128 100

49 177.3 0.0 453.5

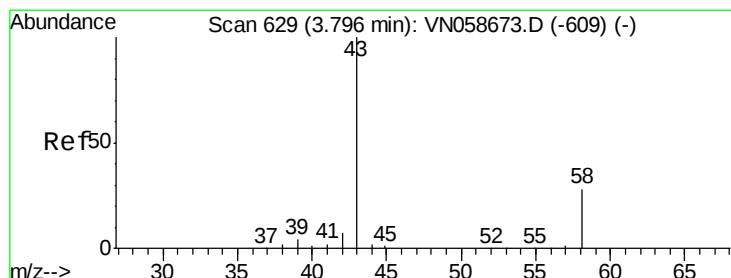
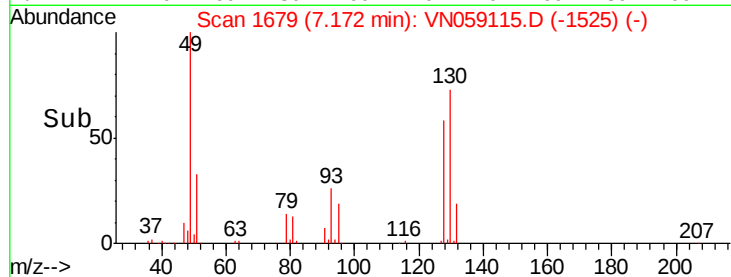
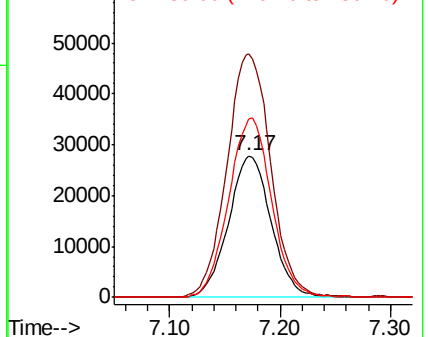
130 126.9 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 1.943 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN059115.D

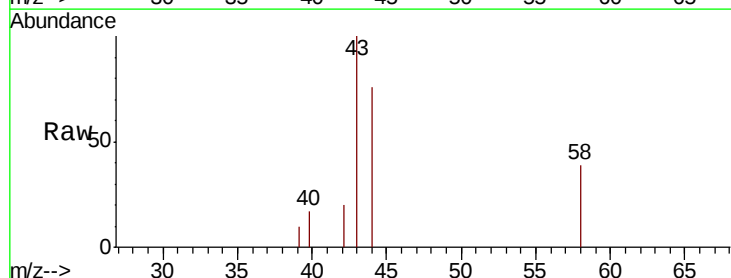
Acq: 7 Nov 2019 12:36

Tgt Ion: 58 Resp: 1412

Ion Ratio Lower Upper

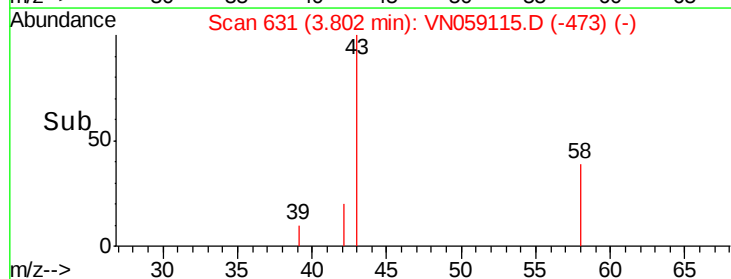
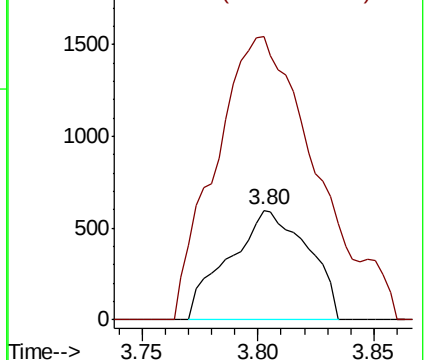
58 100

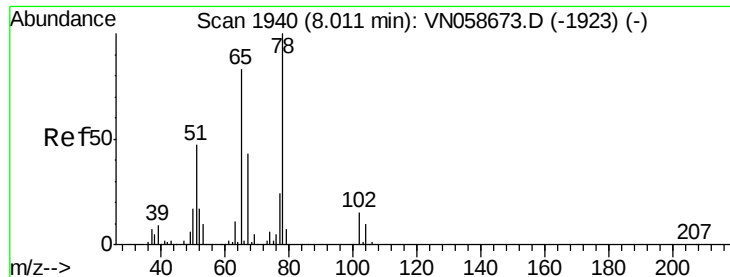
43 189.8 281.7 422.5#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 28.422 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.01 min

Lab File: VN059115.D

Acq: 7 Nov 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

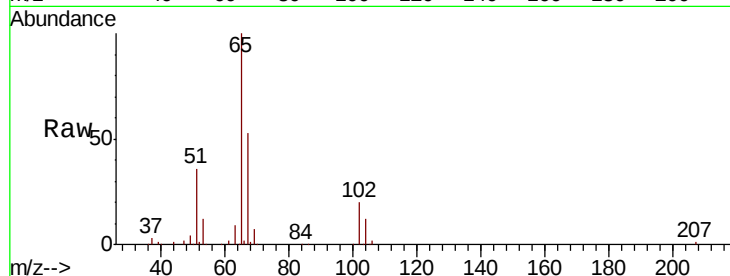
WGGM-19-WW-TSF-040

Tot Ion: 65 Resp: 179066

Ion Ratio Lower Upper

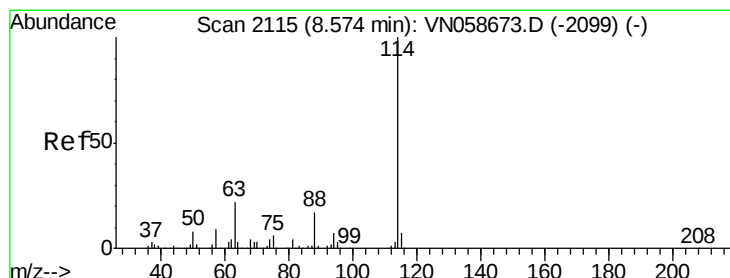
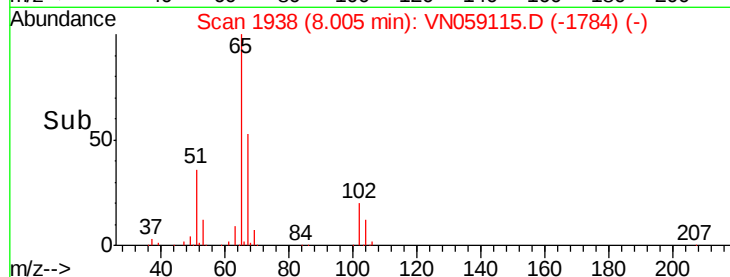
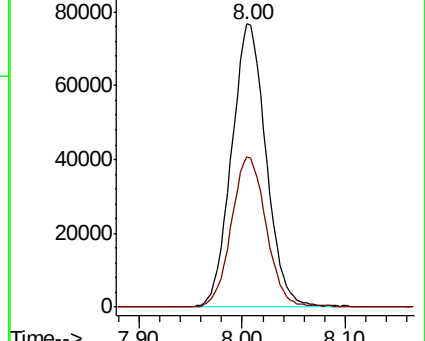
65 100

67 53.3 41.5 62.3



Abundance Ion 65.00 (64.70 to 65.70): VN058673.D (-1923) (-)

Ion 67.00 (66.70 to 67.70): VN058673.D (-1923) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.01 min

Lab File: VN059115.D

Acq: 7 Nov 2019 12:36

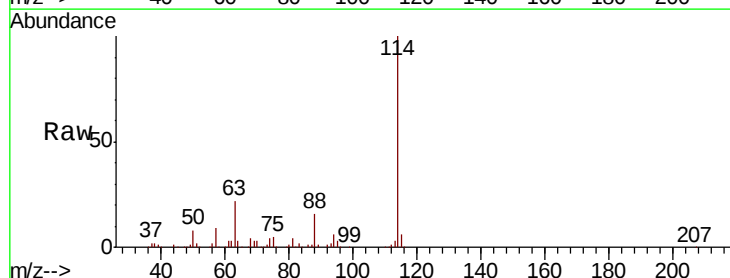
Tgt Ion: 114 Resp: 396744

Ion Ratio Lower Upper

114 100

63 22.0 18.1 27.1

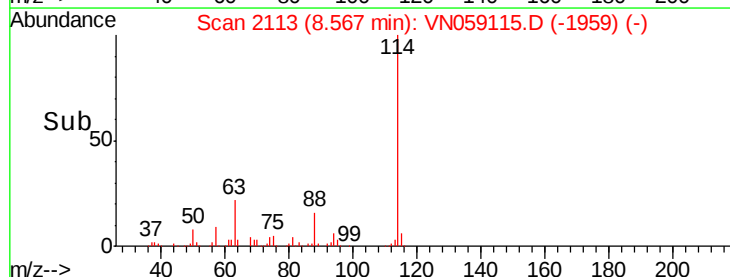
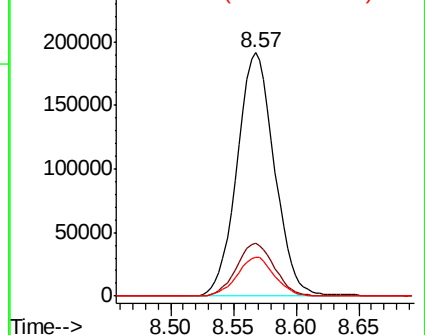
88 16.0 13.0 19.4

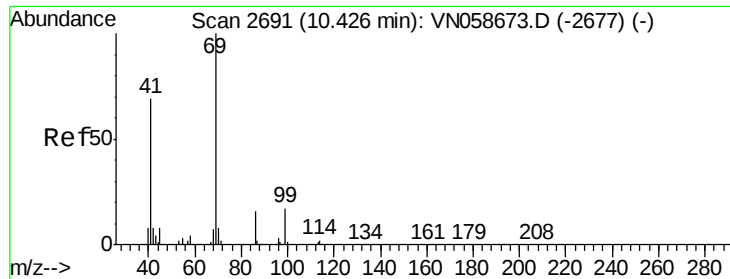


Abundance Ion 114.00 (113.70 to 114.70): VN058673.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN058673.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN058673.D (-2099) (-)





#51

Ethyl methacrylate

Concen: 0.213 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.34 min

Lab File: VN059115.D

Acq: 7 Nov 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

WGGM-19-WW-TSF-040

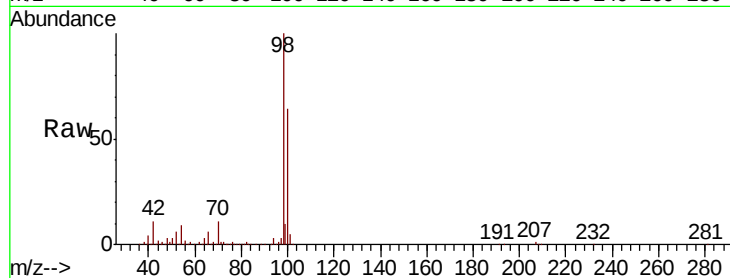
Tot Ion: 69 Resp: 1541

Ion Ratio Lower Upper

69 100

41 81.4 34.7 104.1

39 36.1 20.3 60.8

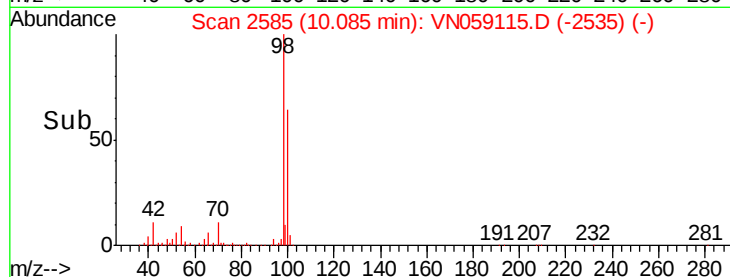


Abundance Ion 69.00 (68.70 to 69.70): VN058673.D (-2677) (-)

Ion 41.00 (40.70 to 41.70): VN058673.D (-2677) (-)

Ion 39.00 (38.70 to 39.70): VN058673.D (-2677) (-)

Time-->



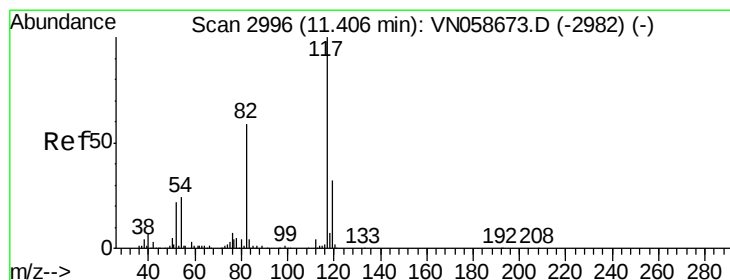
Abundance

Ion 69.00 (68.70 to 69.70): VN059115.D (-2535) (-)

Ion 41.00 (40.70 to 41.70): VN059115.D (-2535) (-)

Ion 39.00 (38.70 to 39.70): VN059115.D (-2535) (-)

Time-->



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059115.D

Acq: 7 Nov 2019 12:36

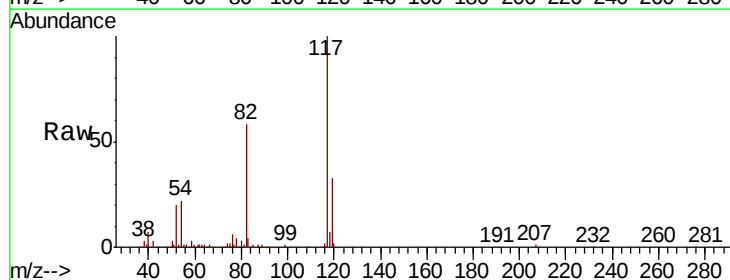
Tgt Ion: 117 Resp: 340222

Ion Ratio Lower Upper

117 100

82 58.6 46.9 70.3

119 32.9 25.8 38.6

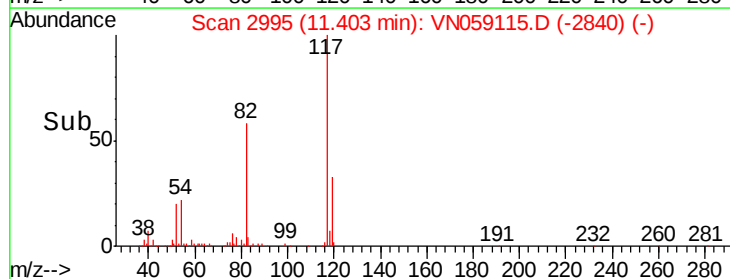


Abundance Ion 117.00 (116.70 to 117.70): VN058673.D (-2982) (-)

Ion 82.00 (81.70 to 82.70): VN058673.D (-2982) (-)

Ion 119.00 (118.70 to 119.70): VN058673.D (-2982) (-)

Time-->



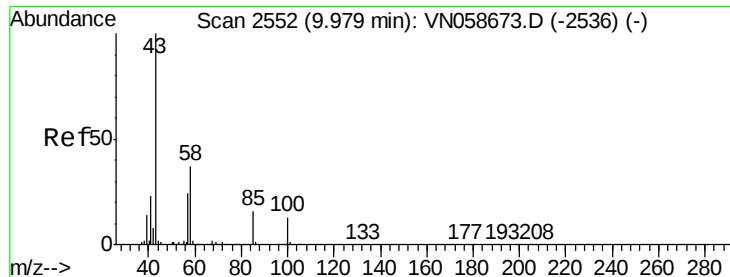
Abundance

Ion 117.00 (116.70 to 117.70): VN059115.D (-2840) (-)

Ion 82.00 (81.70 to 82.70): VN059115.D (-2840) (-)

Ion 119.00 (118.70 to 119.70): VN059115.D (-2840) (-)

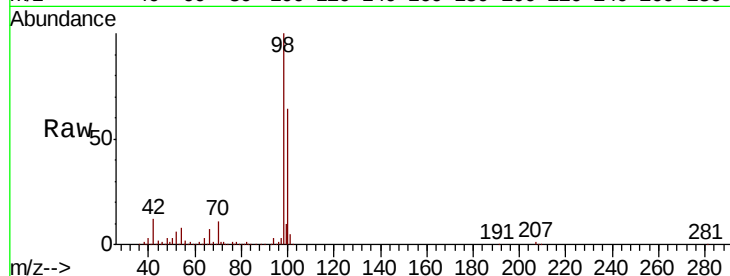
Time-->



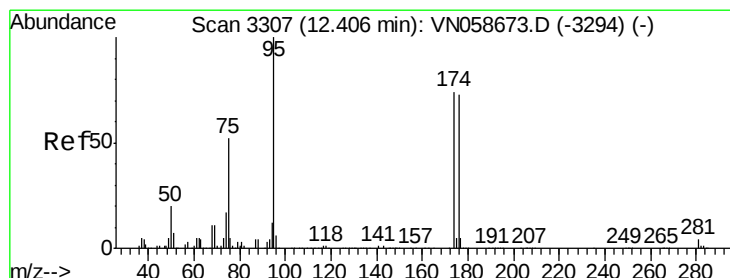
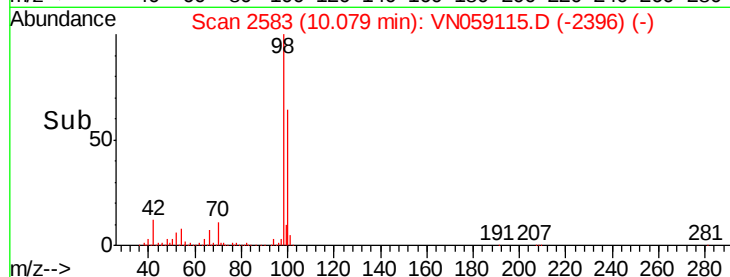
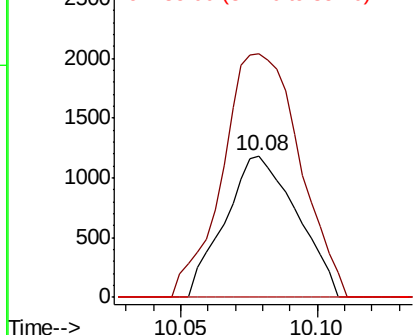
#58
4-Methyl-2-Pentanone
Concen: 0.350 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.10 min
Lab File: VN059115.D
Acq: 7 Nov 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
WGGM-19-WW-TSF-040

Tot Ion: 43 Resp: 2170
Ion Ratio Lower Upper
43 100
58 184.6 30.1 45.1#
85 0.0 13.2 19.8#

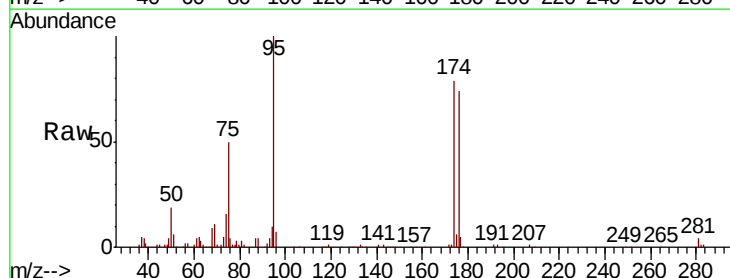


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

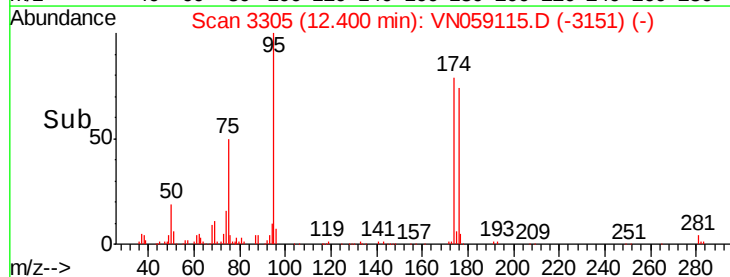
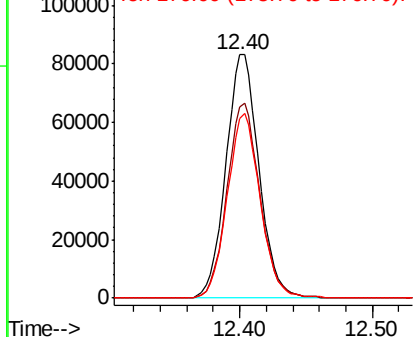


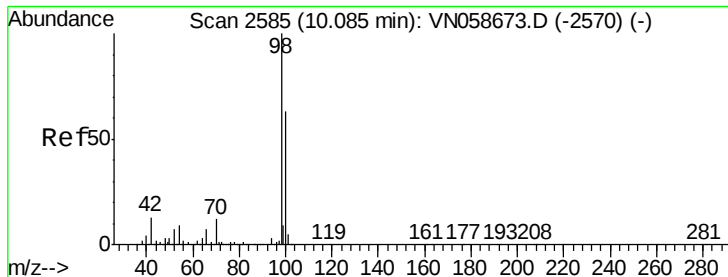
#60
4-Bromofluorobenzene
Concen: 24.206 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.01 min
Lab File: VN059115.D
Acq: 7 Nov 2019 12:36

Tgt Ion: 95 Resp: 144060
Ion Ratio Lower Upper
95 100
174 79.6 59.9 89.9
176 75.6 58.3 87.5



Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 30.245 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.01 min

Lab File: VN059115.D

Acq: 7 Nov 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

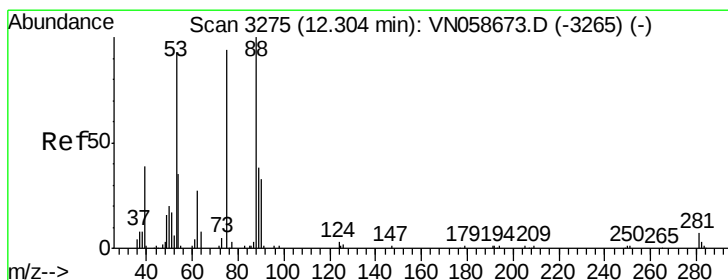
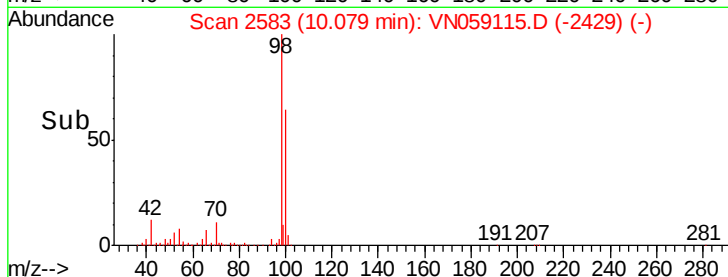
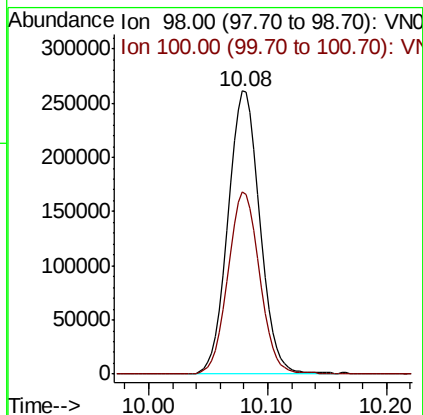
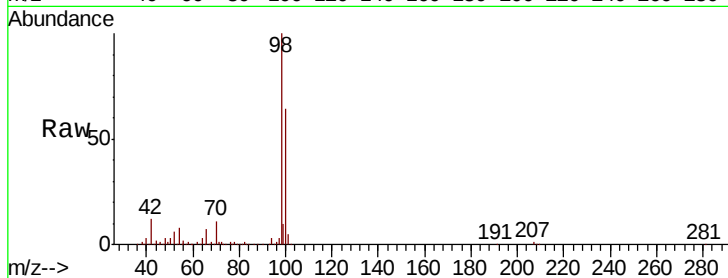
WGGM-19-WW-TSF-040

Tot Ion: 98 Resp: 485858

Ion Ratio Lower Upper

98 100

100 64.1 50.6 75.8



#77

t-1,4-Dichloro-2-butene

Concen: 31.374 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059115.D

Acq: 7 Nov 2019 12:36

Tgt Ion: 75 Resp: 72247

Ion Ratio Lower Upper

75 100

53 0.0 50.0 150.0#

89 0.0 20.7 62.1#

