

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058010.D
 Acq On : 13 Sep 2019 12:02
 Operator : JC/SP
 Sample : K4823-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WGGM-19-WW-TSF-036

Quant Time: Sep 14 01:16:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	71400	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	423704	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	353372	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	199249	31.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.17%
60) 4-Bromofluorobenzene	12.40	95	166134	27.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.57%
63) Toluene-d8	10.09	98	524235	30.91	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.03%

Target Compounds

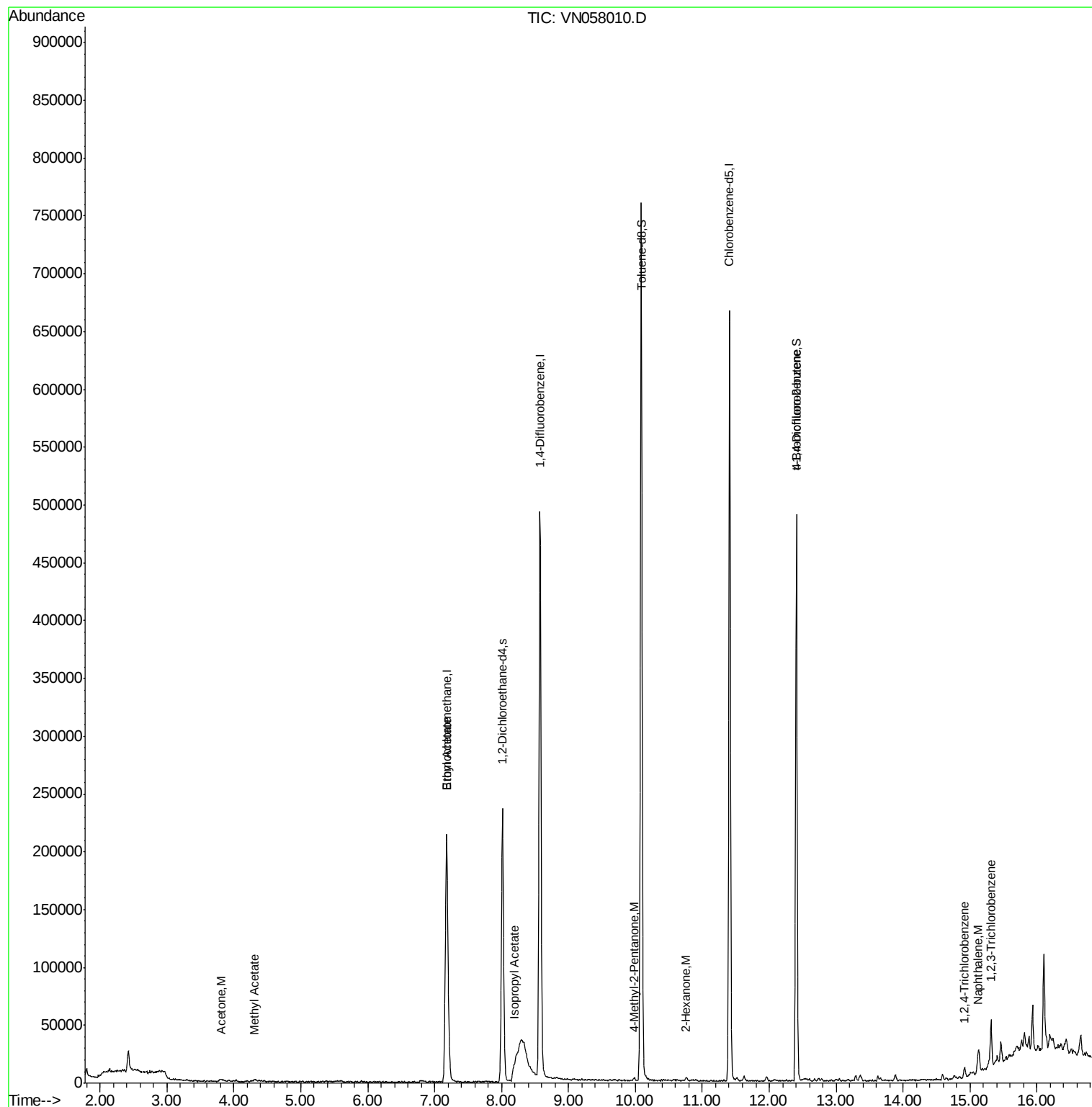
					Qvalue	
12) Methyl Acetate	4.30	43	1654	0.319	ug/l	# 91
15) Acetone	3.80	58	518	0.864	ug/l	# 1
43) Ethyl Acetate	7.18	43	1476	0.241	ug/l	98
44) Isopropyl Acetate	8.18	43	10075	0.942	ug/l	# 100
58) 4-Methyl-2-Pentanone	9.98	43	1197	0.218	ug/l	94
59) 2-Hexanone	10.76	43	1910	0.464	ug/l	89
77) t-1,4-Dichloro-2-butene	12.40	75	89814	51.700	ug/l	# 1
89) 1,2,4-Trichlorobenzene	14.91	180	1716	0.308	ug/l	# 35
91) Naphthalene	15.14	128	14425	0.941	ug/l	97
92) 1,2,3-Trichlorobenzene	15.30	180	4194	0.789	ug/l	91

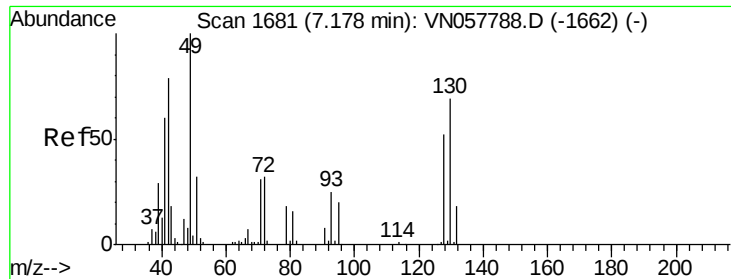
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WGGM-19-WW-TSF-036

Quant Time: Sep 14 01:16:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Sep 09 12:14:07 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058010.D

Acq: 13 Sep 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

WGGM-19-WW-TSF-036

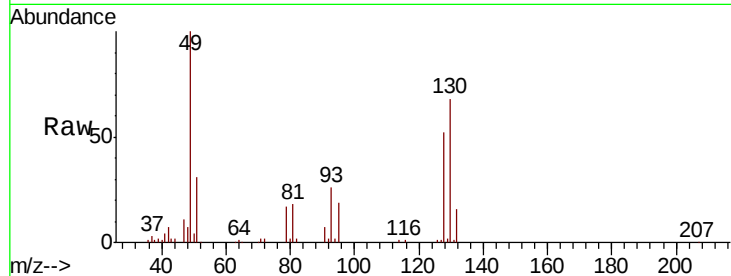
Tgt Ion:128 Resp: 71400

Ion Ratio Lower Upper

128 100

49 188.5 0.0 486.5

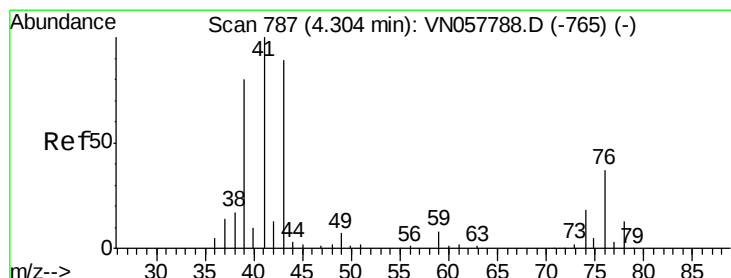
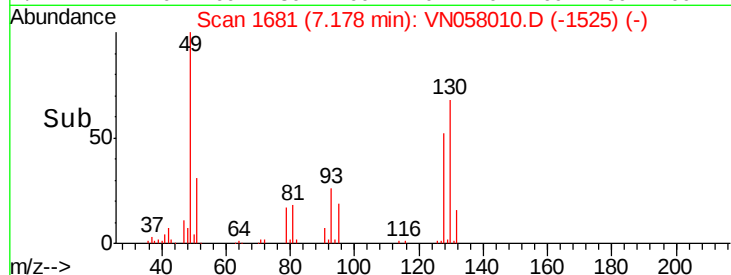
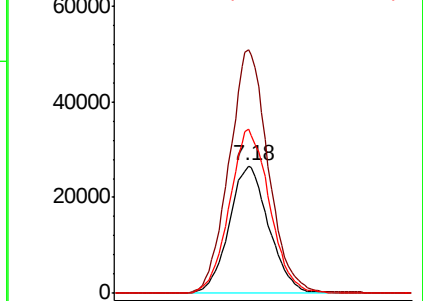
130 130.0 0.0 324.5



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



#12

Methyl Acetate

Concen: 0.319 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058010.D

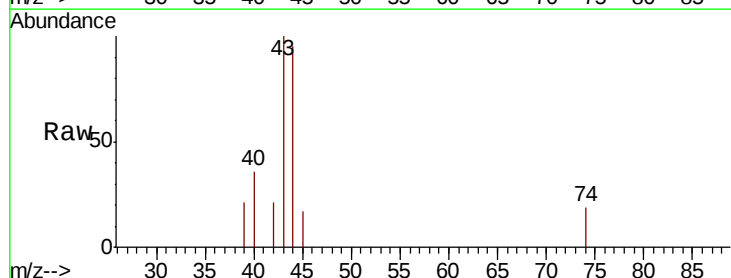
Acq: 13 Sep 2019 12:02

Tgt Ion: 43 Resp: 1654

Ion Ratio Lower Upper

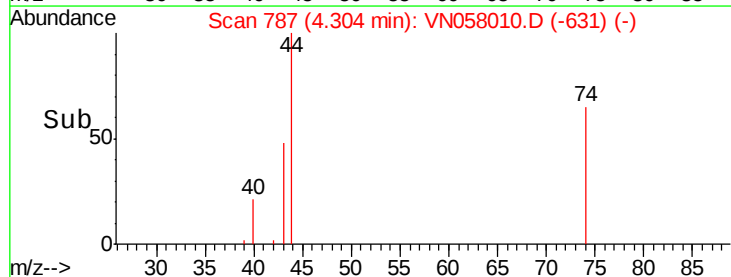
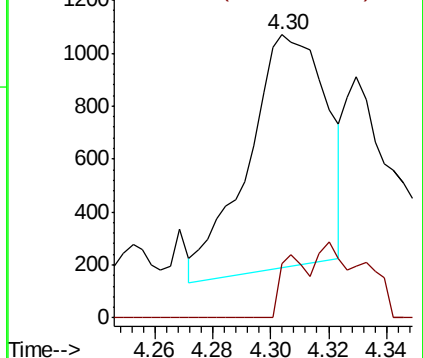
43 100

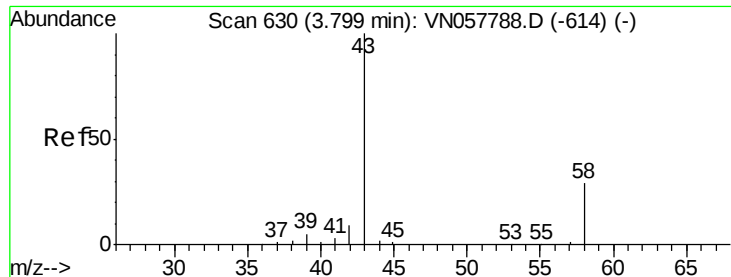
74 16.0 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#15

Acetone

Concen: 0.864 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN058010.D

Acq: 13 Sep 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

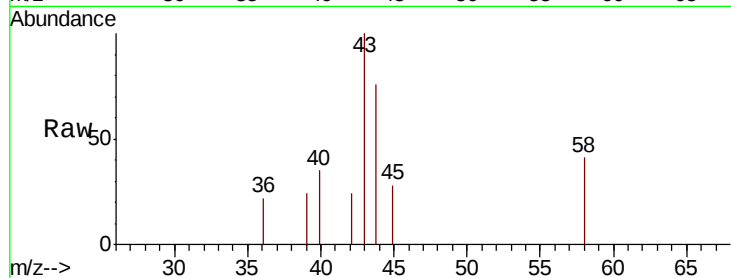
WGGM-19-WW-TSF-036

Tgt Ion: 58 Resp: 518

Ion Ratio Lower Upper

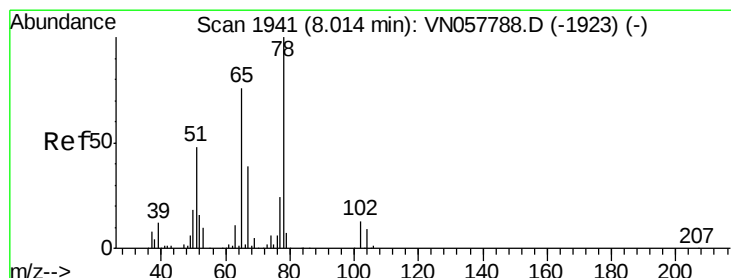
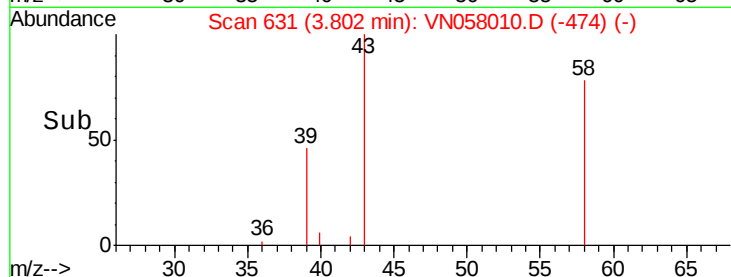
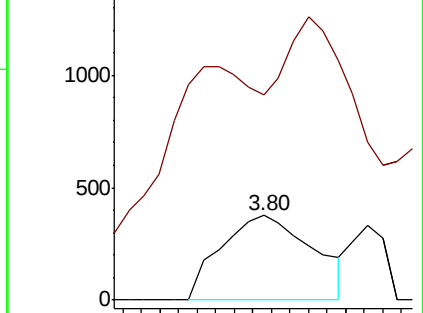
58 100

43 0.0 277.7 416.5#



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: 31.548 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058010.D

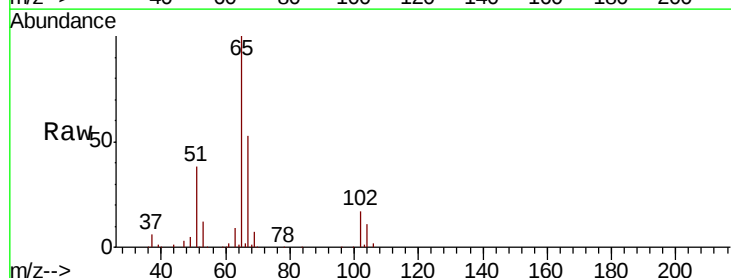
Acq: 13 Sep 2019 12:02

Tgt Ion: 65 Resp: 199249

Ion Ratio Lower Upper

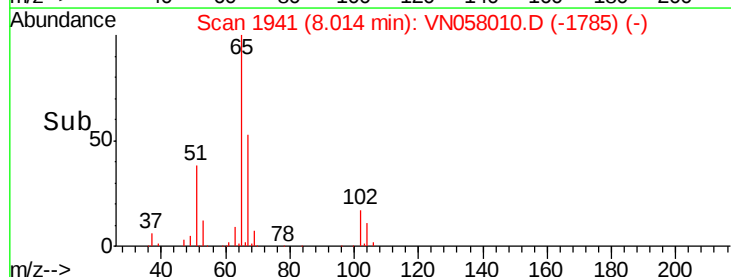
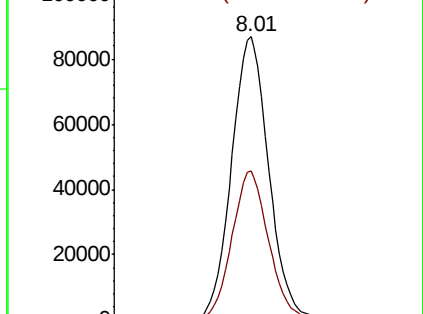
65 100

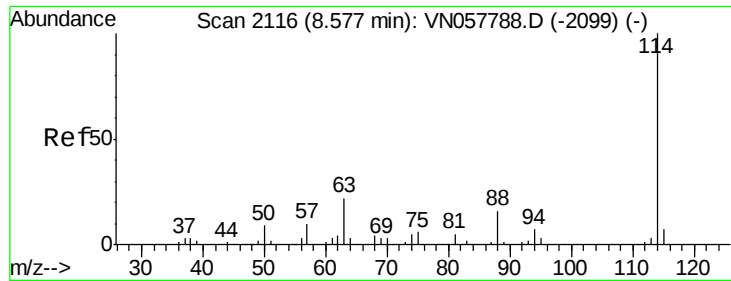
67 51.9 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

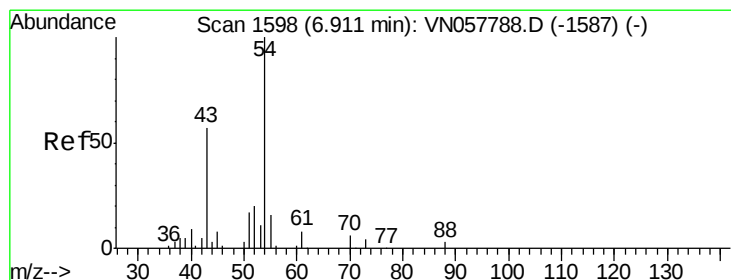
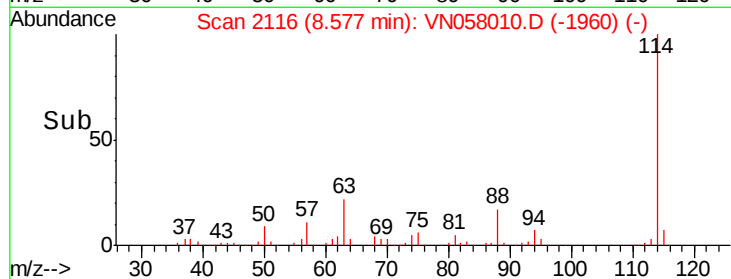
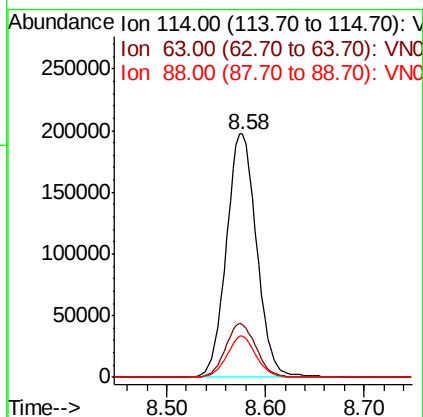
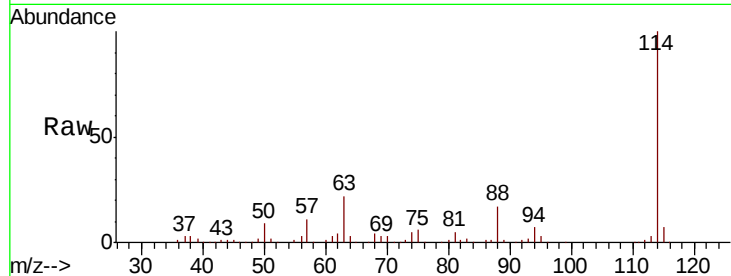




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058010.D
 Acq: 13 Sep 2019 12:02

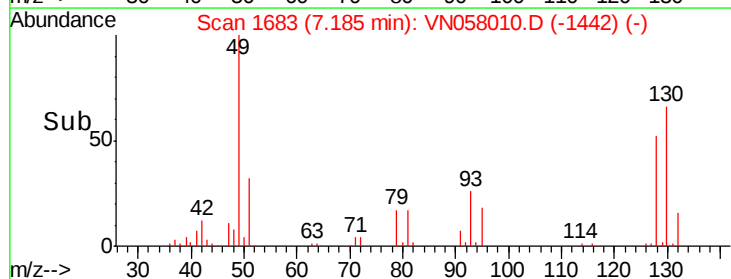
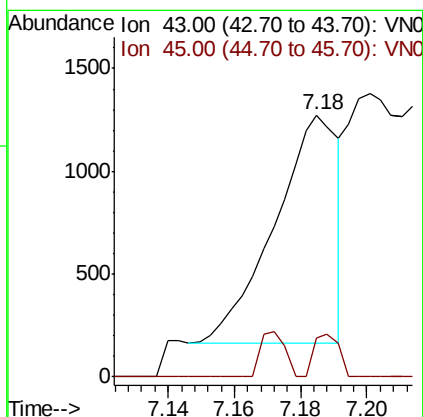
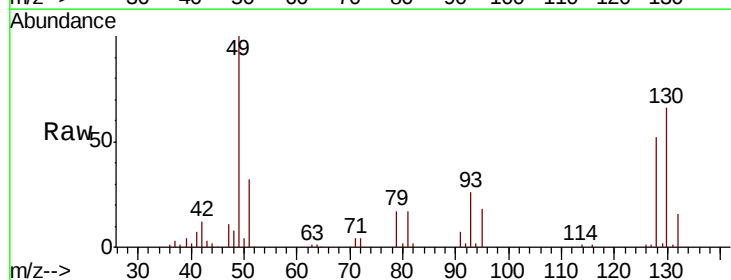
Instrument :
 MSVOA_N
 ClientSampleId :
 WGM-19-WW-TSF-036

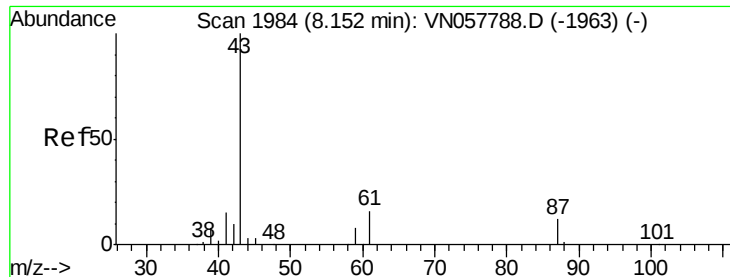
Tgt Ion: 114 Resp: 423704
 Ion Ratio Lower Upper
 114 100
 63 22.3 18.0 27.0
 88 16.3 12.6 19.0



#43
 Ethyl Acetate
 Concen: 0.241 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.27 min
 Lab File: VN058010.D
 Acq: 13 Sep 2019 12:02

Tgt Ion: 43 Resp: 1476
 Ion Ratio Lower Upper
 43 100
 45 7.3 5.4 8.0





#44

Isopropyl Acetate

Concen: 0.942 ug/l

RT: 8.18 min Scan# 1994

Delta R.T. 0.03 min

Lab File: VN058010.D

Acq: 13 Sep 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

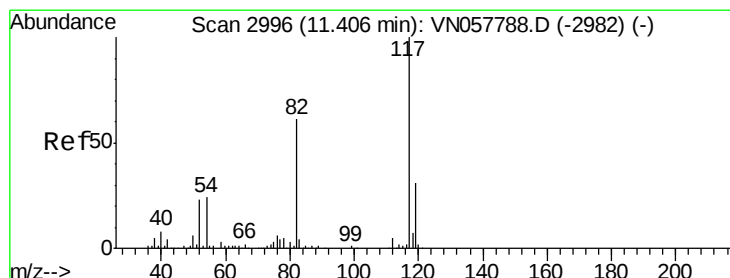
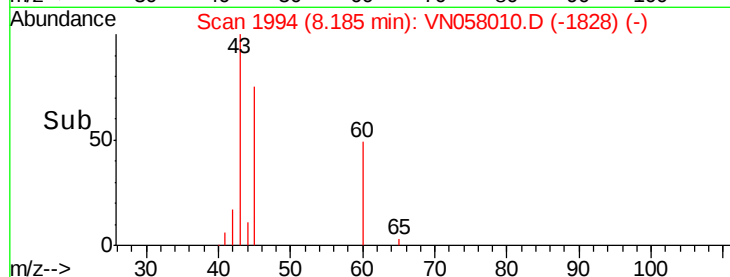
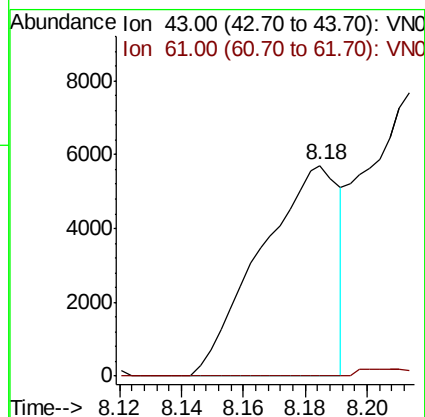
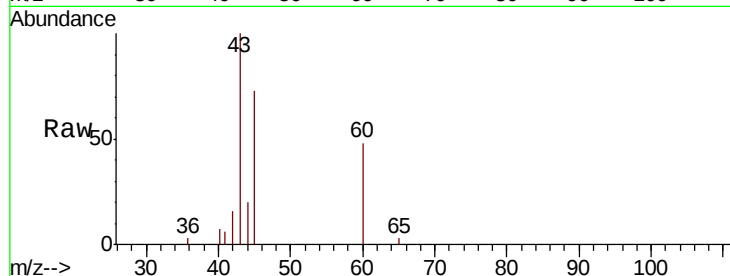
WGGM-19-WW-TSF-036

Tgt Ion: 43 Resp: 10075

Ion Ratio Lower Upper

43 100

61 0.6 0.1 0.1#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058010.D

Acq: 13 Sep 2019 12:02

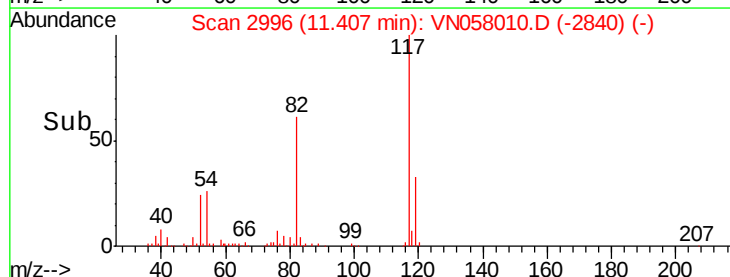
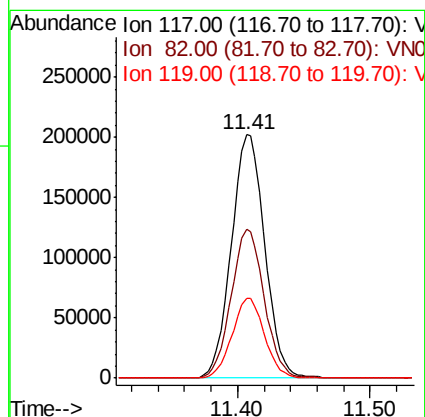
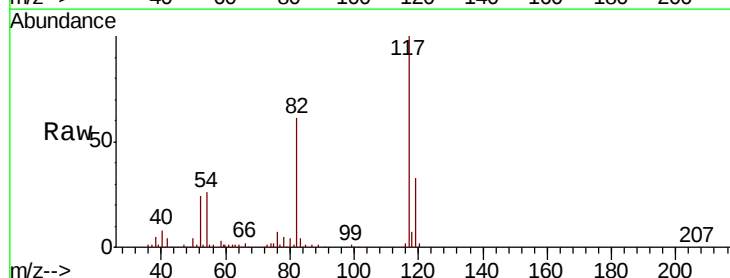
Tgt Ion: 117 Resp: 353372

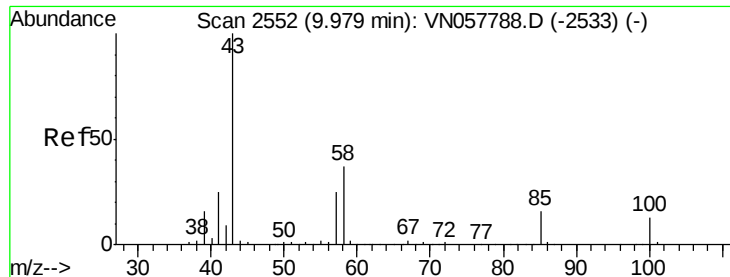
Ion Ratio Lower Upper

117 100

82 60.4 47.6 71.4

119 31.9 25.4 38.2

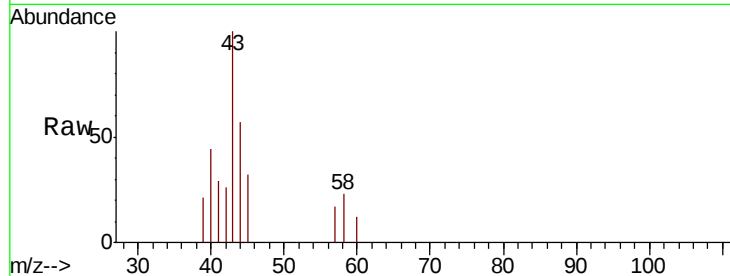




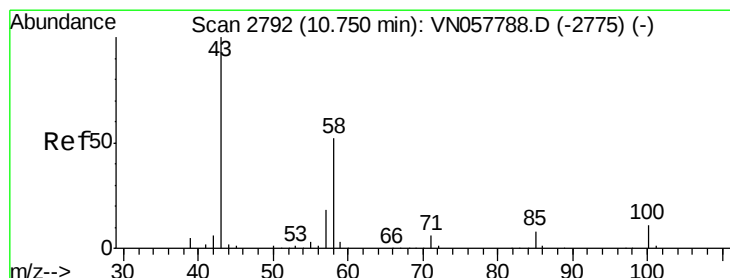
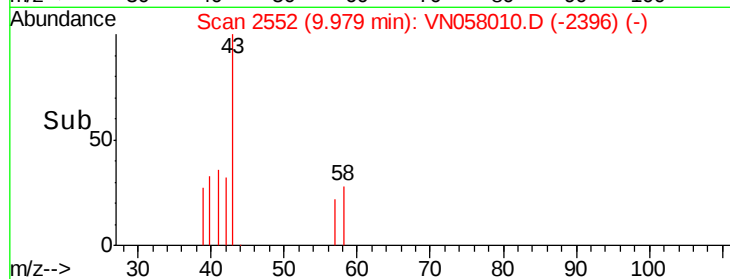
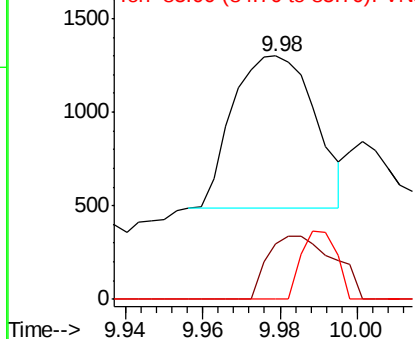
#58
 4-Methyl-2-Pentanone
 Concen: 0.218 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058010.D
 Acq: 13 Sep 2019 12:02

Instrument :
 MSVOA_N
 ClientSampleId :
 WGM-19-WW-TSF-036

Tgt Ion: 43 Resp: 1197
 Ion Ratio Lower Upper
 43 100
 58 33.9 29.4 44.0
 85 19.3 12.9 19.3

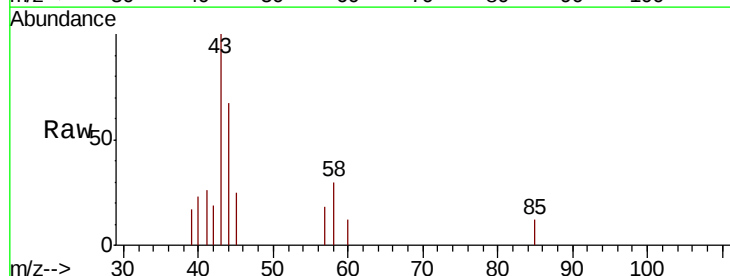


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

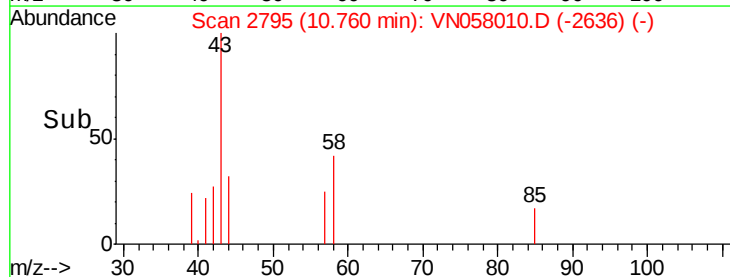
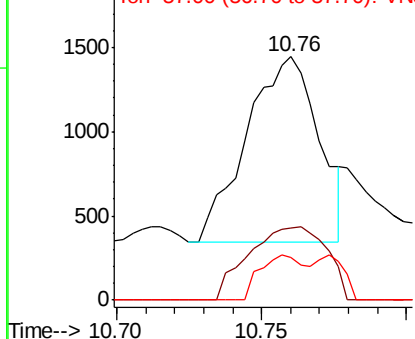


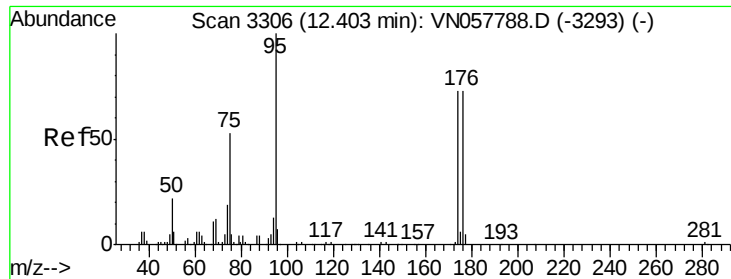
#59
 2-Hexanone
 Concen: 0.464 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN058010.D
 Acq: 13 Sep 2019 12:02

Tgt Ion: 43 Resp: 1910
 Ion Ratio Lower Upper
 43 100
 58 42.2 40.6 61.0
 57 15.4 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0





#60

4-Bromofluorobenzene

Concen: 27.474 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058010.D

Acq: 13 Sep 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

WGGM-19-WW-TSF-036

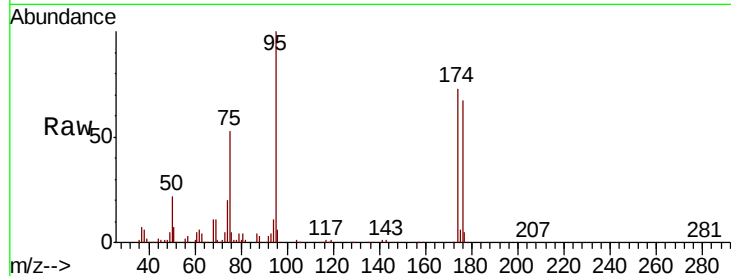
Tgt Ion: 95 Resp: 166134

Ion Ratio Lower Upper

95 100

174 74.9 59.4 89.0

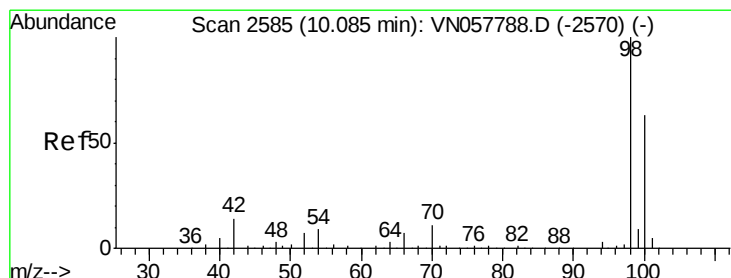
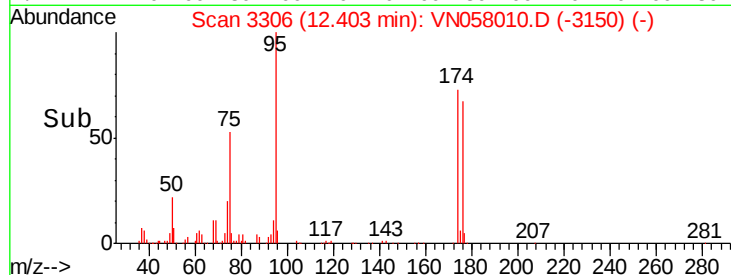
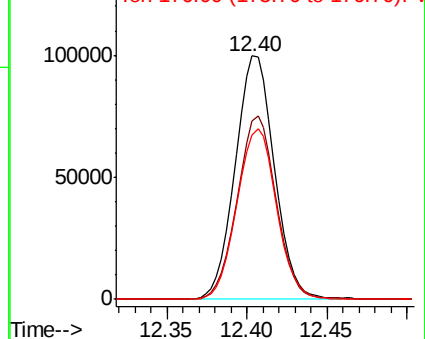
176 70.8 57.4 86.0



Abundance Ion 95.00 (94.70 to 95.70): VN057788.D (-3293) (-)

Ion 174.00 (173.70 to 174.70): VN057788.D (-3293) (-)

Ion 176.00 (175.70 to 176.70): VN057788.D (-3293) (-)



#63

Toluene-d8

Concen: 30.908 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058010.D

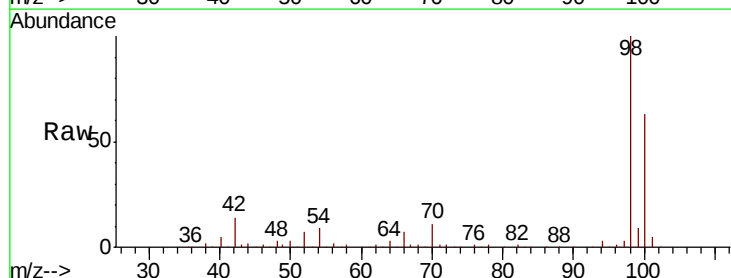
Acq: 13 Sep 2019 12:02

Tgt Ion: 98 Resp: 524235

Ion Ratio Lower Upper

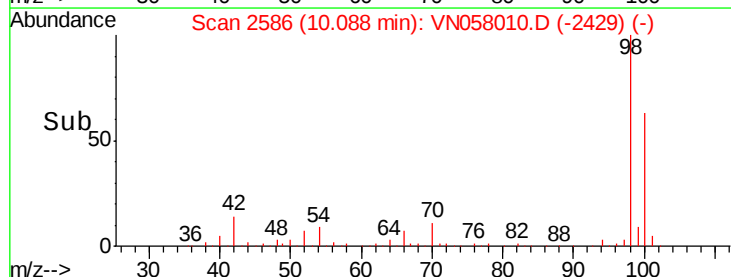
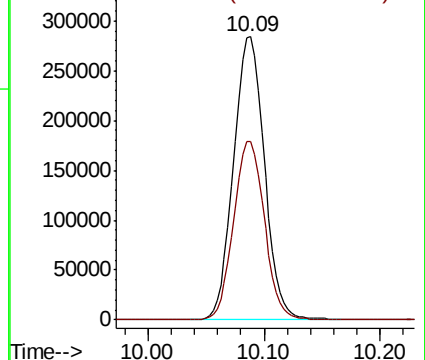
98 100

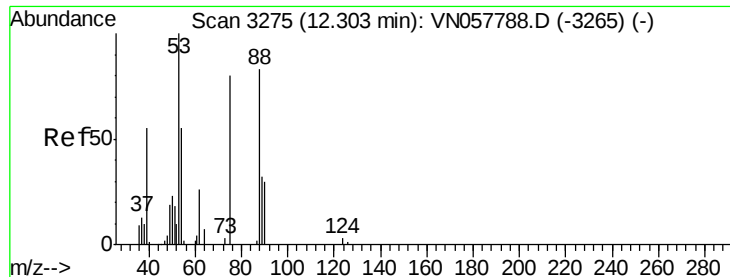
100 62.9 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057788.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN057788.D (-2570) (-)

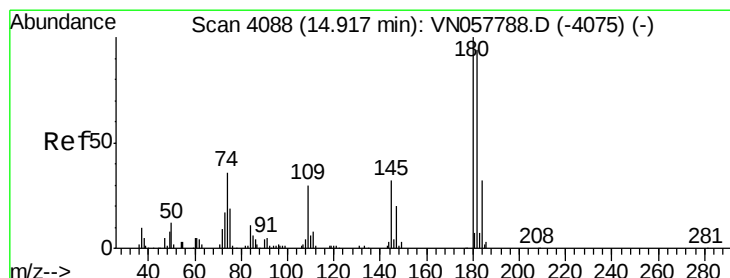
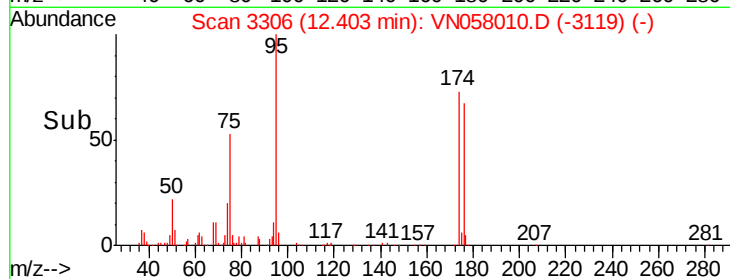
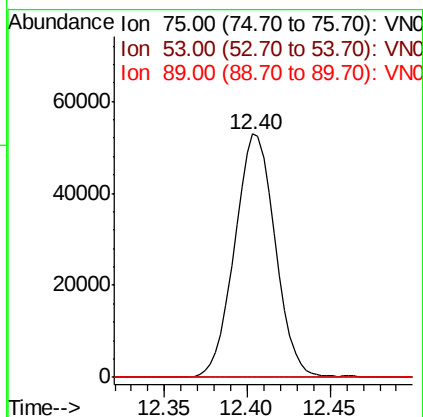
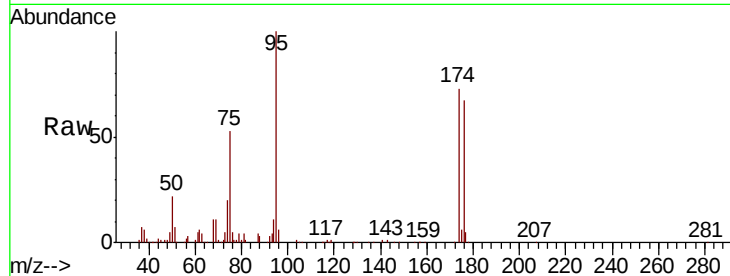




#77
 t-1,4-Dichloro-2-butene
 Concen: 51.700 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN058010.D
 Acq: 13 Sep 2019 12:02

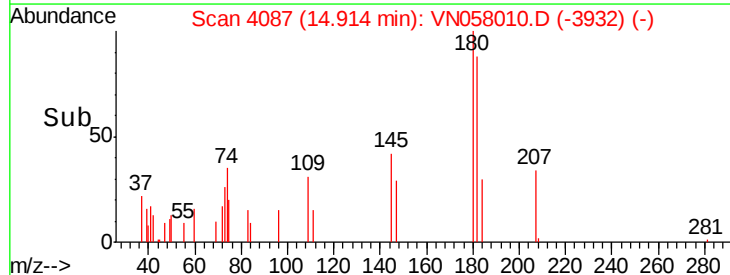
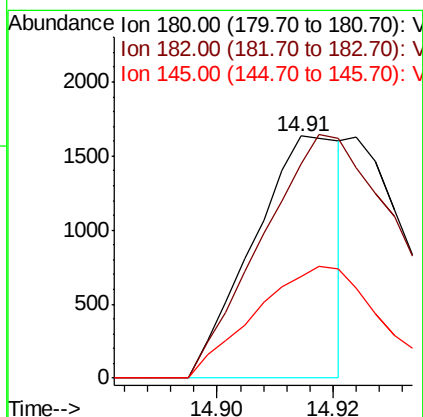
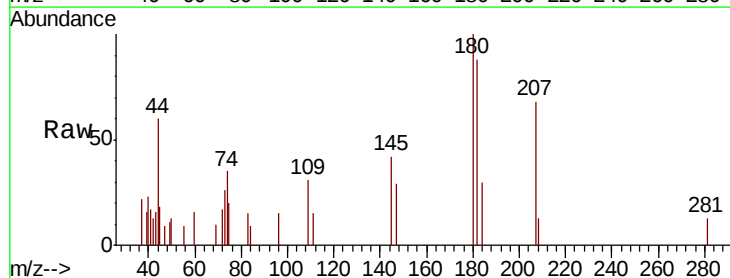
Instrument :
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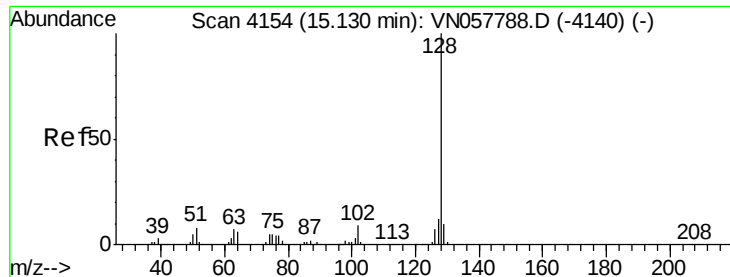
Tgt Ion: 75 Resp: 89814
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.7 188.2#
 89 0.0 22.8 68.3#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.308 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058010.D
 Acq: 13 Sep 2019 12:02

Tgt Ion: 180 Resp: 1716
 Ion Ratio Lower Upper
 180 100
 182 161.5 77.0 115.4#
 145 65.2 26.1 39.1#

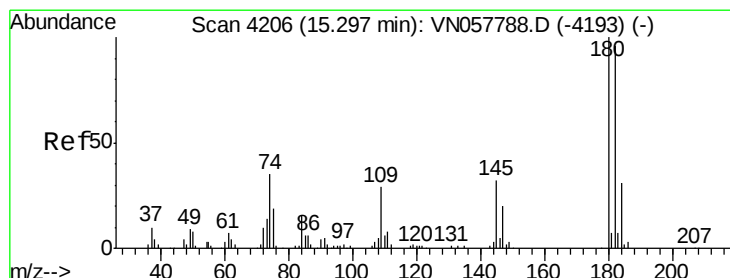
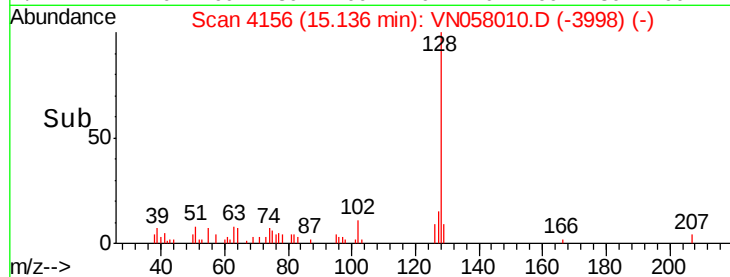
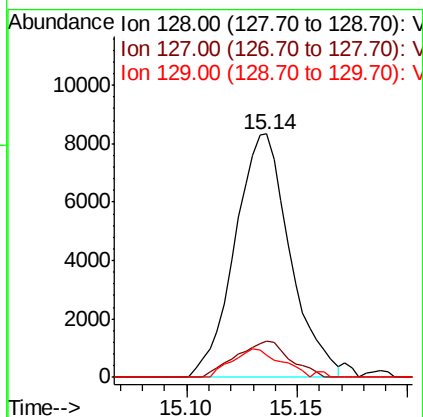
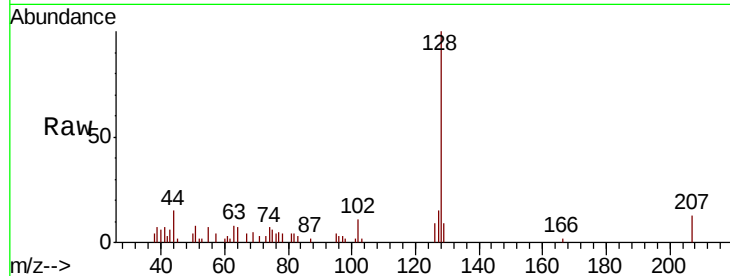




#91
Naphthalene
Concen: 0.941 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN058010.D
Acq: 13 Sep 2019 12:02

Instrument :
MSVOA_N
ClientSampleId :
WGGM-19-WW-TSF-036

Tgt Ion:128 Resp: 14425
Ion Ratio Lower Upper
128 100
127 14.5 9.9 14.9
129 10.2 8.1 12.1



#92
1,2,3-Trichlorobenzene
Concen: 0.789 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058010.D
Acq: 13 Sep 2019 12:02

Tgt Ion:180 Resp: 4194
Ion Ratio Lower Upper
180 100
182 91.0 0.0 189.8
145 20.0 0.0 65.0

