

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058008.D
 Acq On : 13 Sep 2019 11:18
 Operator : JC/SP
 Sample : K4823-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WGGM-19-WW-TSF-035

Quant Time: Sep 14 01:15:18 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	70949	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	416880	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	353023	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	195372	31.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.77%
60) 4-Bromofluorobenzene	12.40	95	158741	26.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.60%
63) Toluene-d8	10.09	98	510850	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

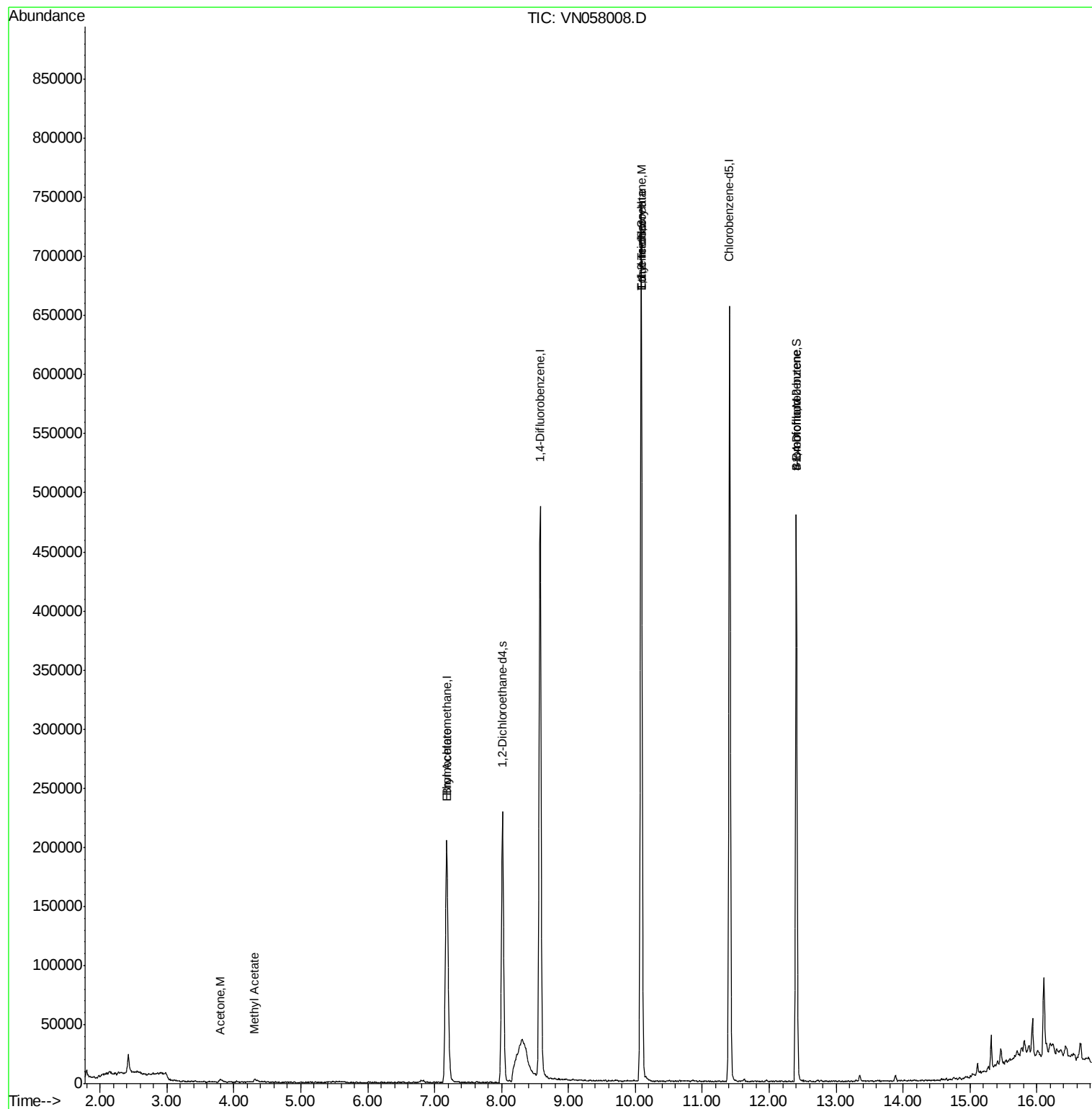
					Qvalue	
12) Methyl Acetate	4.31	43	3255	0.632	ug/l	95
15) Acetone	3.80	58	876	1.470	ug/l #	42
43) Ethyl Acetate	7.19	43	2100	0.348	ug/l	99
50) 1,1,2-Trichloroethane	10.09	97	16555	3.439	ug/l #	1
51) Ethyl methacrylate	10.09	69	1627	0.218	ug/l	84
56) Bromoform	12.40	173	1090	0.370	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	88977	51.269	ug/l #	1

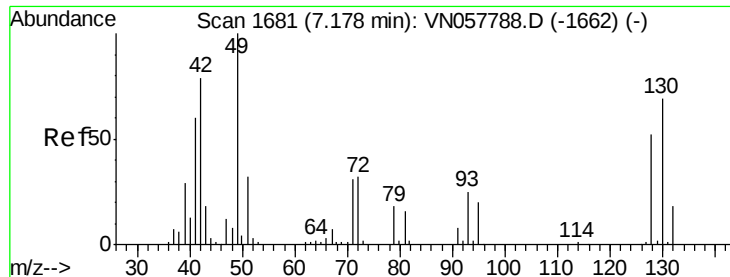
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WGGM-19-WW-TSF-035

Quant Time: Sep 14 01:15:18 2019
Quant Method : Z:\V0ASRV\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# 1682

Delta R.T. 0.00 min

Lab File: VN058008.D

Acq: 13 Sep 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

WGGM-19-WW-TSF-035

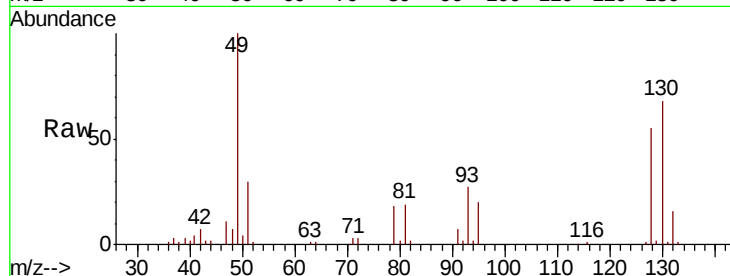
Tgt Ion:128 Resp: 70949

Ion Ratio Lower Upper

128 100

49 185.8 0.0 486.5

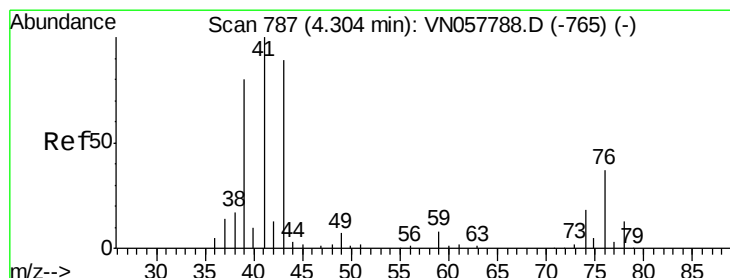
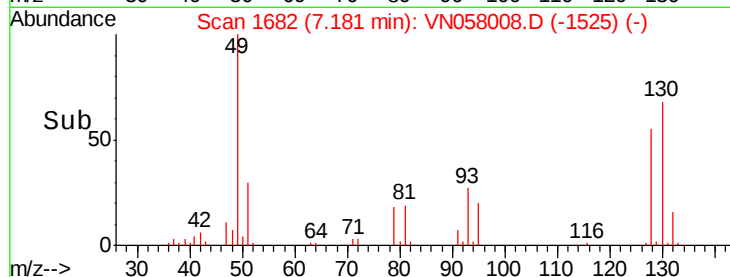
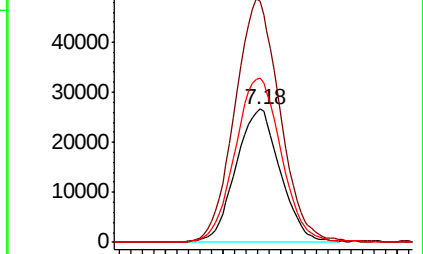
130 129.0 0.0 324.5



Abundance Ion 128.00 (127.70 to 128.70): VN058008.D (-1662) (-)

Ion 49.00 (48.70 to 49.70): VN058008.D (-1662) (-)

Ion 130.00 (129.70 to 130.70): VN058008.D (-1662) (-)



#12

Methyl Acetate

Concen: 0.632 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN058008.D

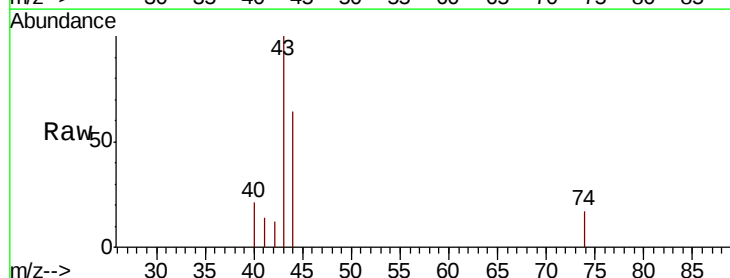
Acq: 13 Sep 2019 11:18

Tgt Ion: 43 Resp: 3255

Ion Ratio Lower Upper

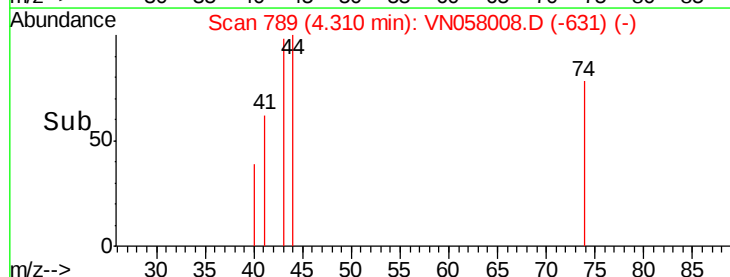
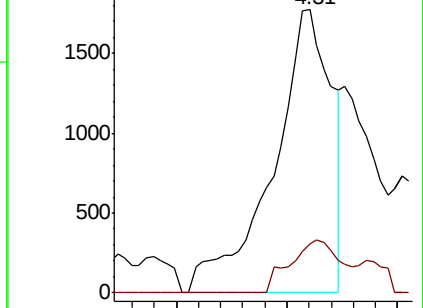
43 100

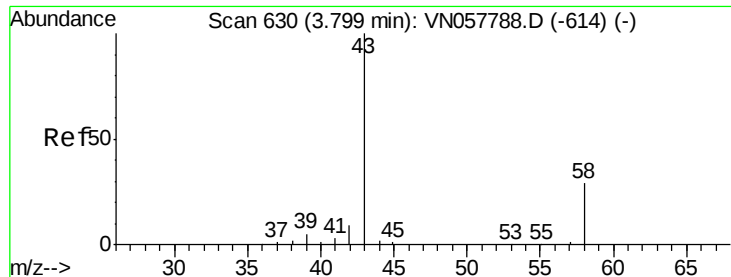
74 18.1 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VN058008.D (-765) (-)

Ion 74.00 (73.70 to 74.70): VN058008.D (-765) (-)





#15

Acetone

Concen: 1.470 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN058008.D

Acq: 13 Sep 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

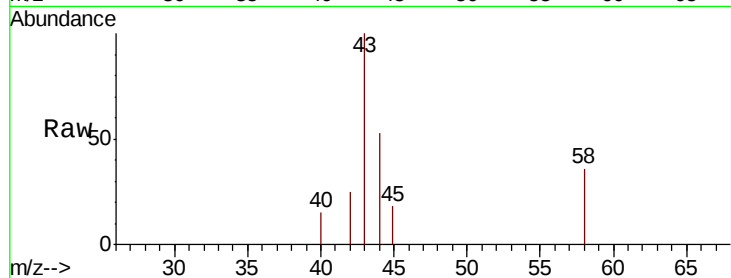
WGGM-19-WW-TSF-035

Tgt Ion: 58 Resp: 876

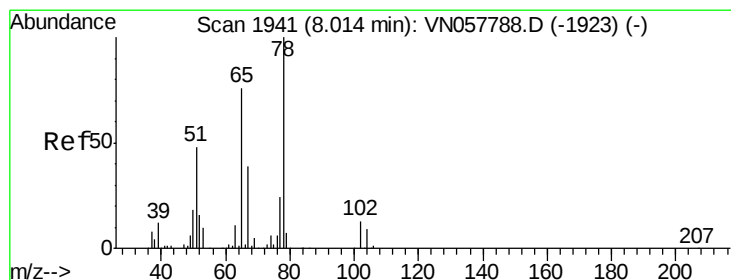
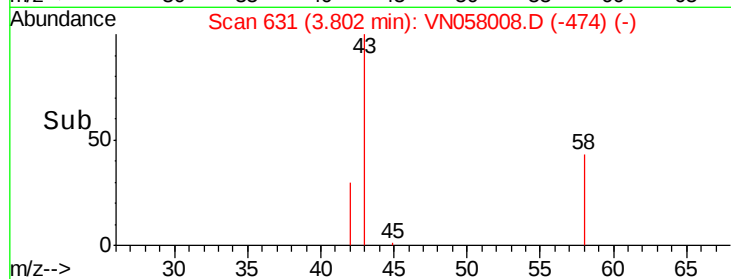
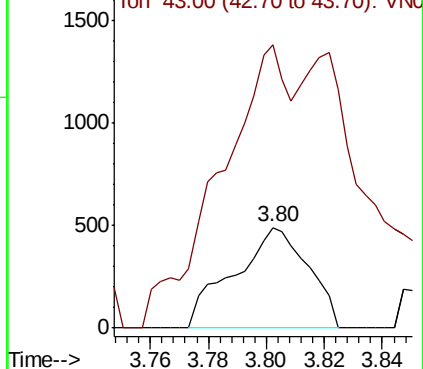
Ion Ratio Lower Upper

58 100

43 222.2 277.7 416.5#



Abundance Ion 58.00 (57.70 to 58.70): VN058008.D (-474) (-)



#27

1,2-Dichloroethane-d4

Concen: 31.131 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058008.D

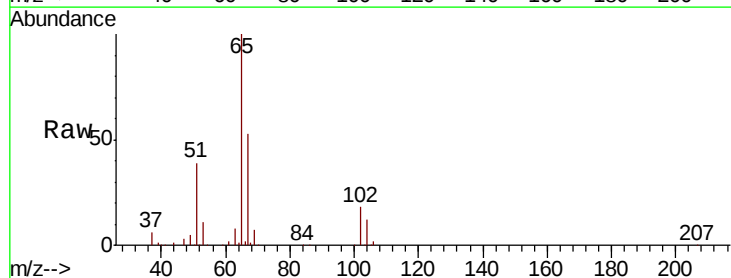
Acq: 13 Sep 2019 11:18

Tgt Ion: 65 Resp: 195372

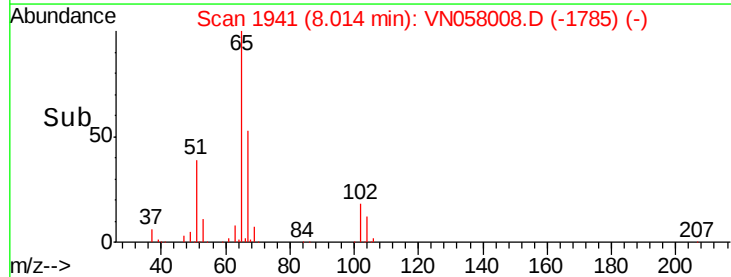
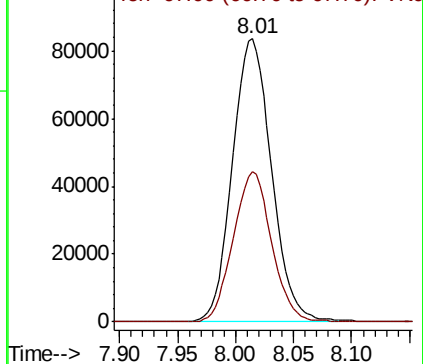
Ion Ratio Lower Upper

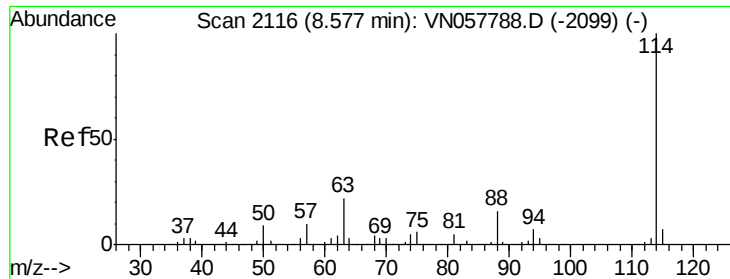
65 100

67 52.1 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VN058008.D (-1785) (-)

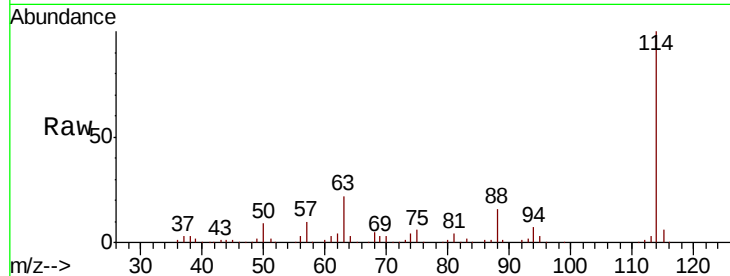




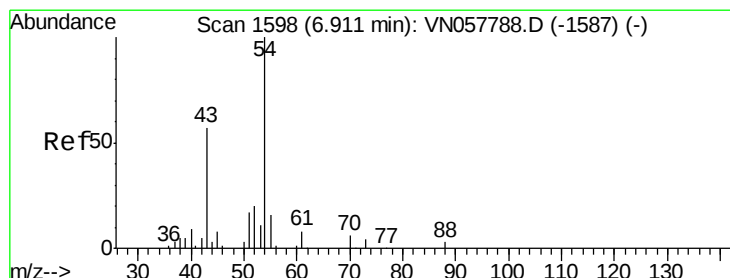
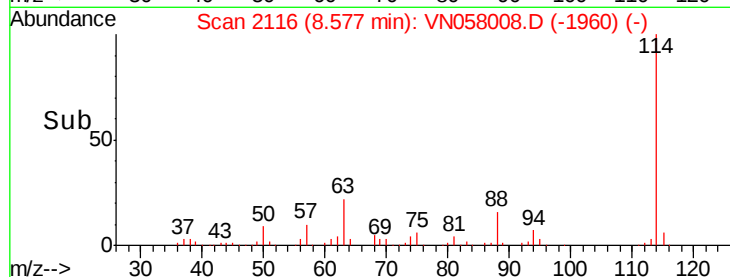
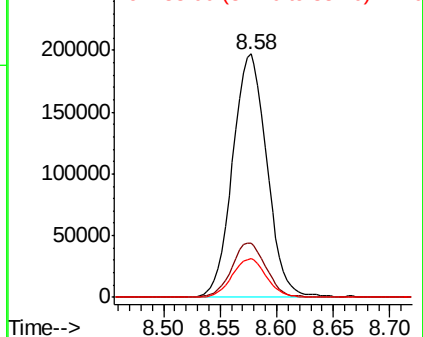
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058008.D
 Acq: 13 Sep 2019 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 WGM-19-WW-TSF-035

Tgt Ion:114 Resp: 416880
 Ion Ratio Lower Upper
 114 100
 63 22.4 18.0 27.0
 88 15.9 12.6 19.0

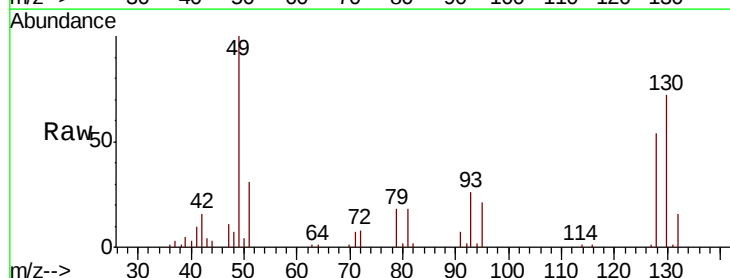


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 88.00 (87.70 to 88.70): VNO

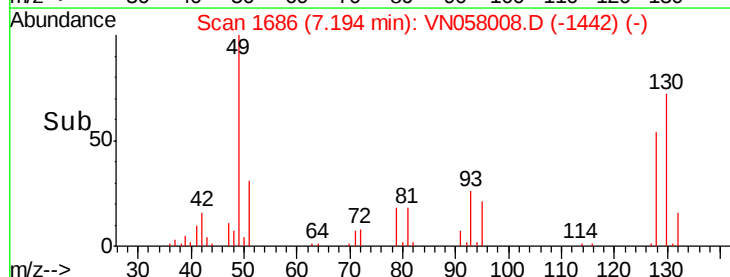
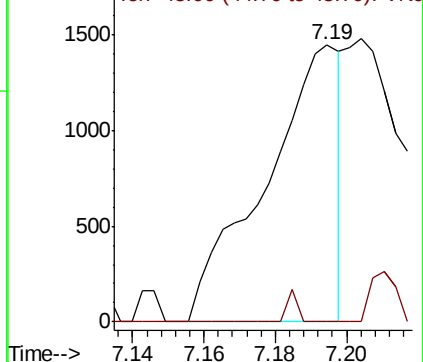


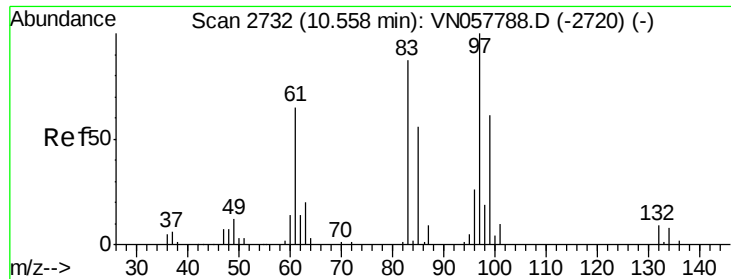
#43
 Ethyl Acetate
 Concen: 0.348 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.28 min
 Lab File: VN058008.D
 Acq: 13 Sep 2019 11:18

Tgt Ion: 43 Resp: 2100
 Ion Ratio Lower Upper
 43 100
 45 6.2 5.4 8.0



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO

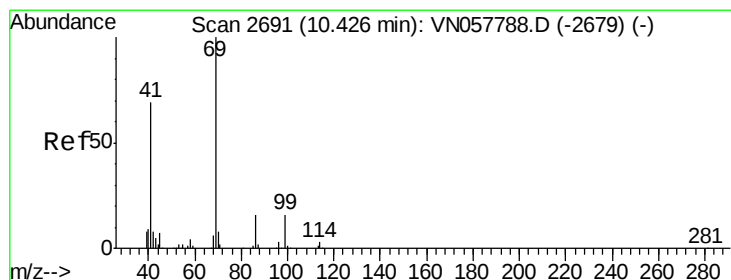
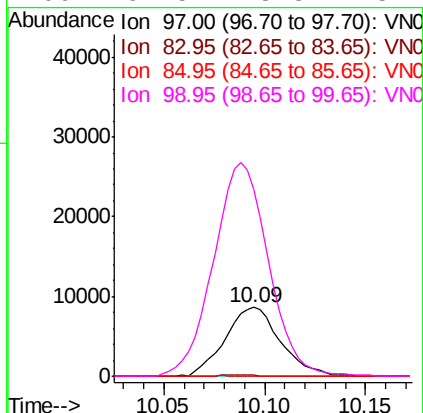
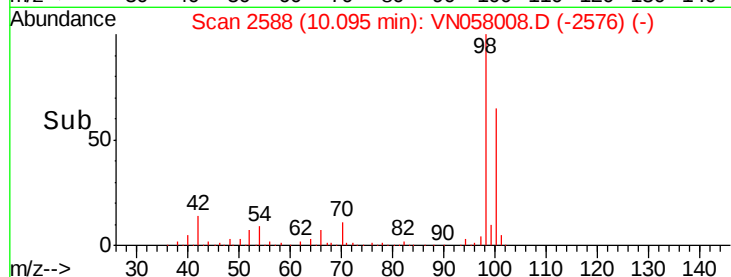
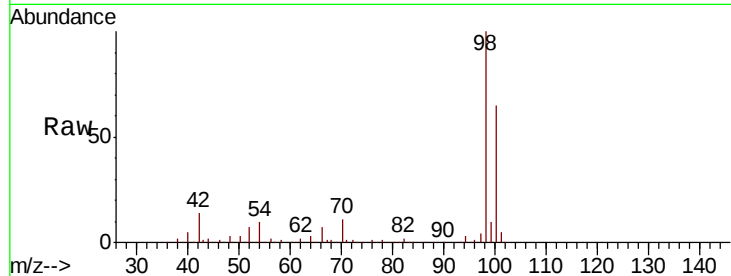




#50
 1,1,2-Trichloroethane
 Concen: 3.439 ug/l
 RT: 10.09 min Scan# 2588
 Delta R.T. -0.46 min
 Lab File: VN058008.D
 Acq: 13 Sep 2019 11:18

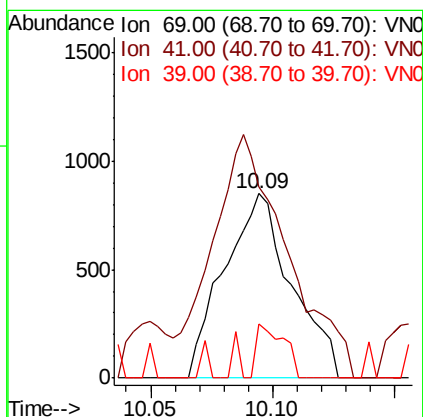
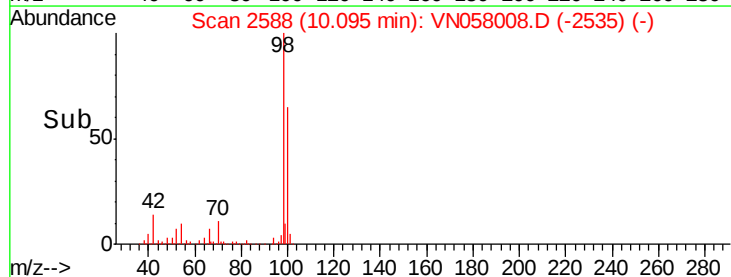
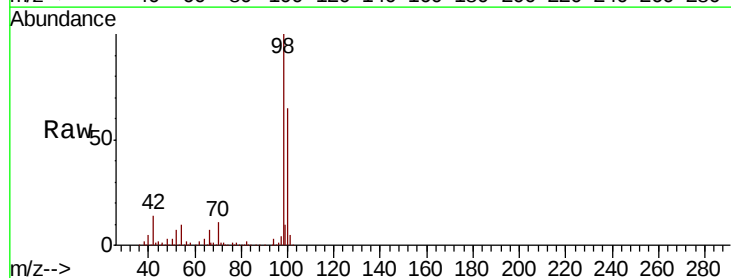
Instrument :
 MSVOA_N
 ClientSampleId :
 WGM-19-WW-TSF-035

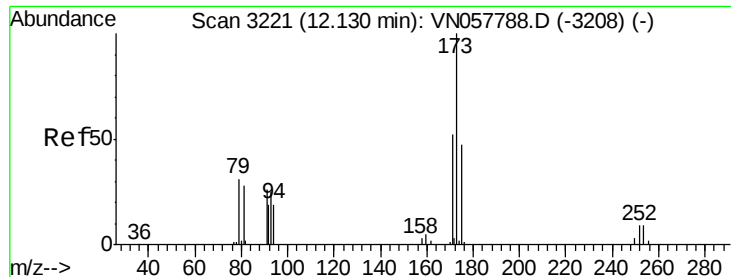
Tgt Ion: 97 Resp: 16555
 Ion Ratio Lower Upper
 97 100
 83 2.3 69.4 104.2#
 85 0.0 45.0 67.6#
 99 267.5 48.8 73.2#



#51
 Ethyl methacrylate
 Concen: 0.218 ug/l
 RT: 10.09 min Scan# 2588
 Delta R.T. -0.33 min
 Lab File: VN058008.D
 Acq: 13 Sep 2019 11:18

Tgt Ion: 69 Resp: 1627
 Ion Ratio Lower Upper
 69 100
 41 78.0 34.5 103.5
 39 29.4 22.4 67.3





#56

Bromoform

Concen: 0.370 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058008.D

Acq: 13 Sep 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

WGGM-19-WW-TSF-035

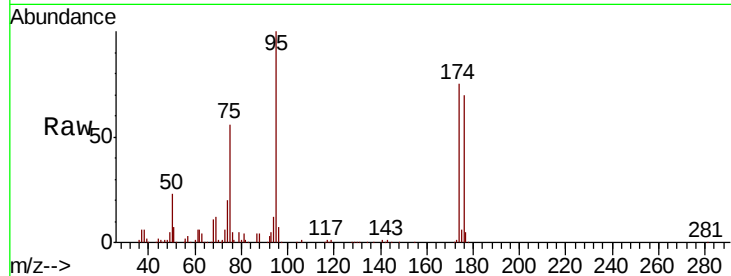
Tgt Ion:173 Resp: 1090

Ion Ratio Lower Upper

173 100

175 835.8 38.4 57.6#

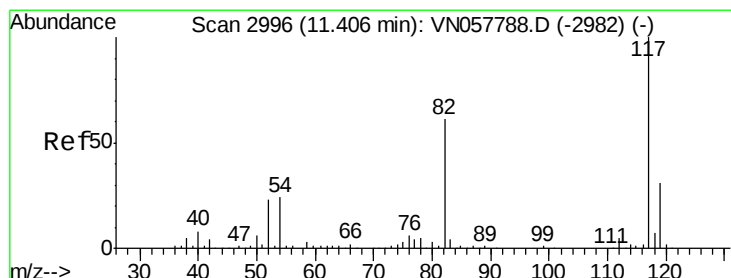
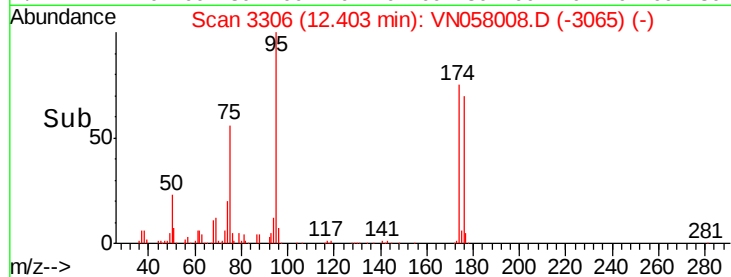
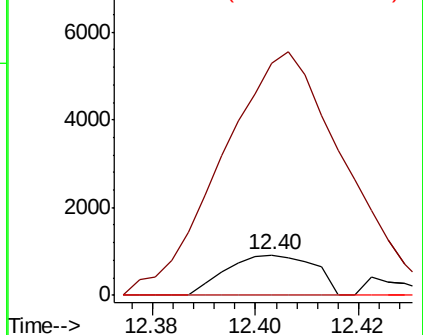
254 0.0 6.9 10.3#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058008.D

Acq: 13 Sep 2019 11:18

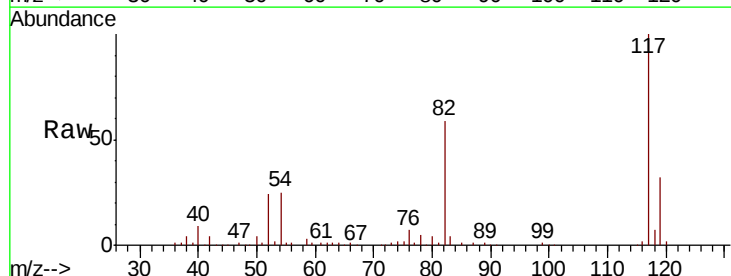
Tgt Ion:117 Resp: 353023

Ion Ratio Lower Upper

117 100

82 59.1 47.6 71.4

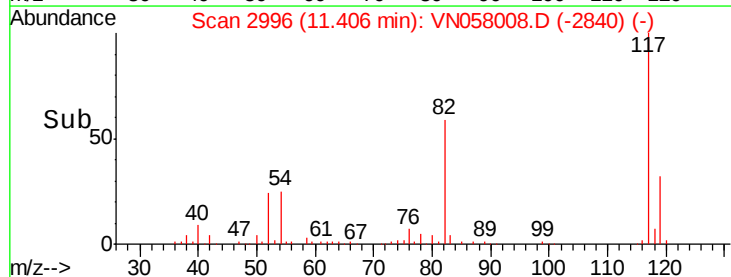
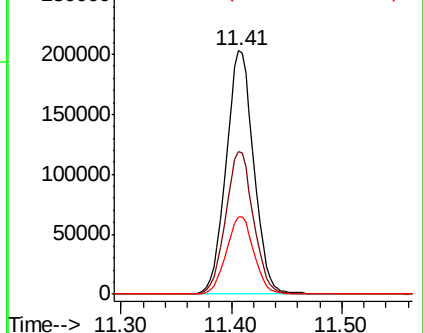
119 31.7 25.4 38.2

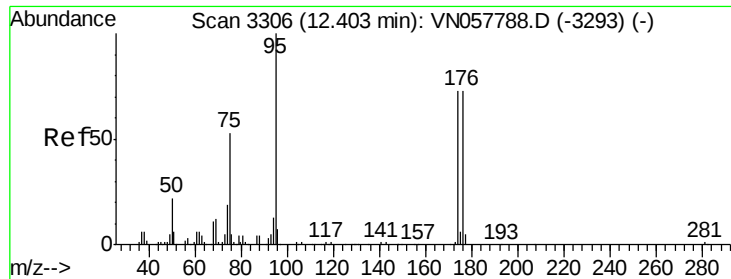


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

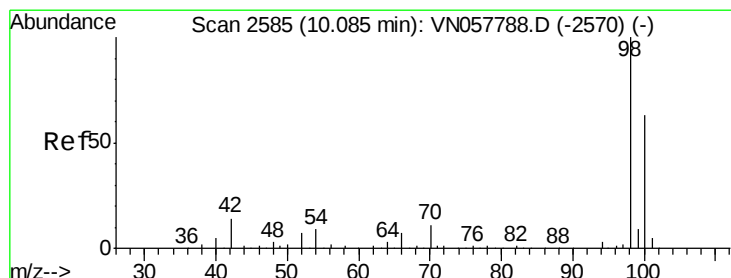
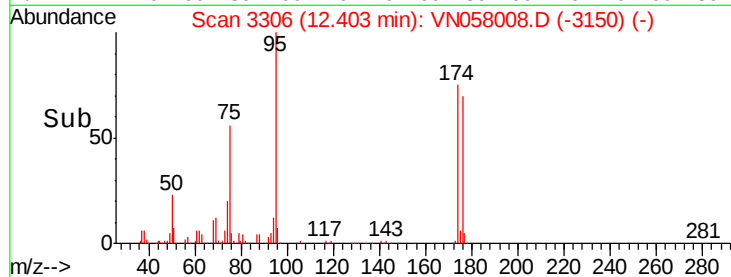
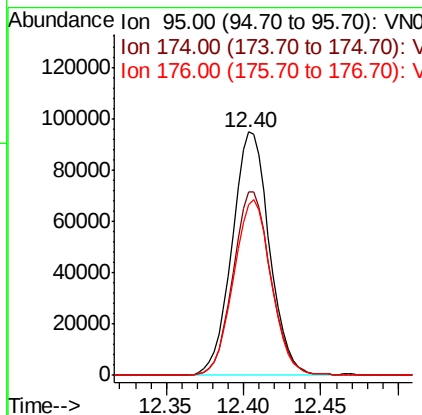
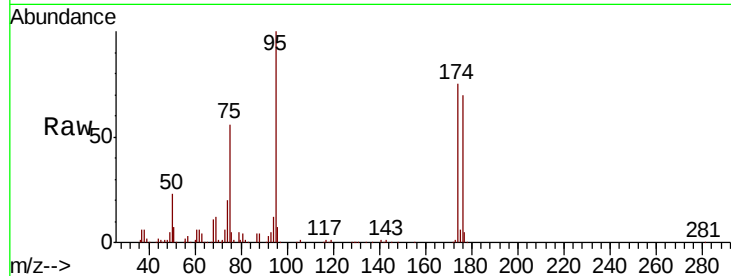




#60
4-Bromofluorobenzene
Concen: 26.278 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058008.D
Acq: 13 Sep 2019 11:18

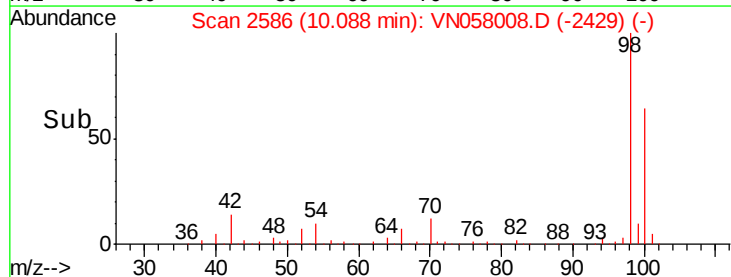
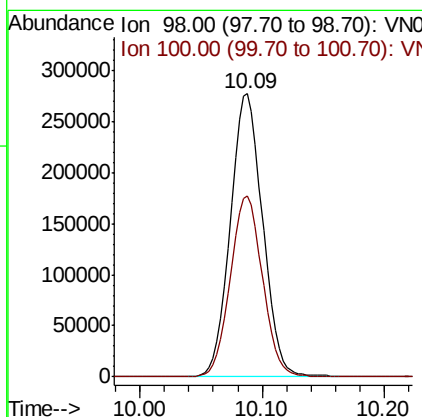
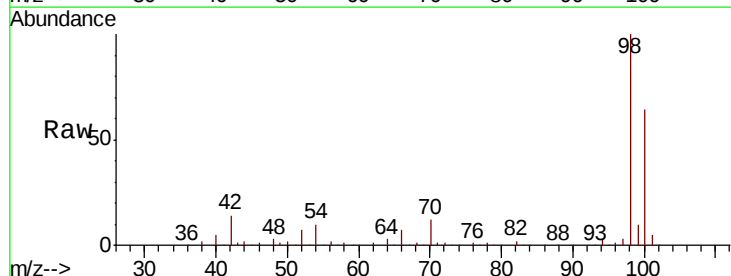
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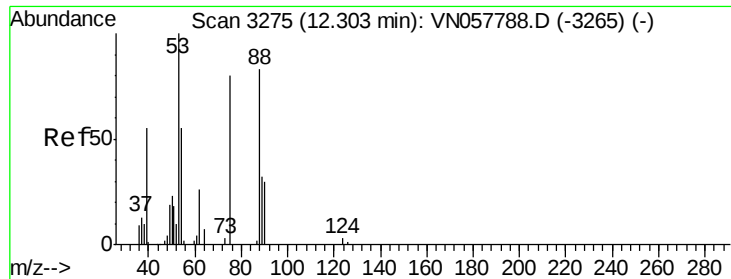
Tgt Ion: 95 Resp: 158741
Ion Ratio Lower Upper
95 100
174 76.4 59.4 89.0
176 73.0 57.4 86.0



#63
Toluene-d8
Concen: 30.149 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058008.D
Acq: 13 Sep 2019 11:18

Tgt Ion: 98 Resp: 510850
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5





#77
t-1,4-Dichloro-2-butene
Concen: 51.269 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058008.D
Acq: 13 Sep 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
WGGM-19-WW-TSF-035

Tgt Ion: 75 Resp: 88977
Ion Ratio Lower Upper
75 100
53 0.0 62.7 188.2#
89 0.0 22.8 68.3#

