

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031819\
 Data File : VX008175.D
 Acq On : 18 Mar 2019 19:24
 Operator : JC/SP
 Sample : K1909-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-CO5(SETTLE-WATER)

Quant Time: Mar 19 02:43:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 14:34:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	47480	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	255838	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	220075	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	122161	30.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.10%
60) 4-Bromofluorobenzene	11.13	95	98645	26.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.53%
63) Toluene-d8	8.71	98	320971	30.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.07%

Target Compounds

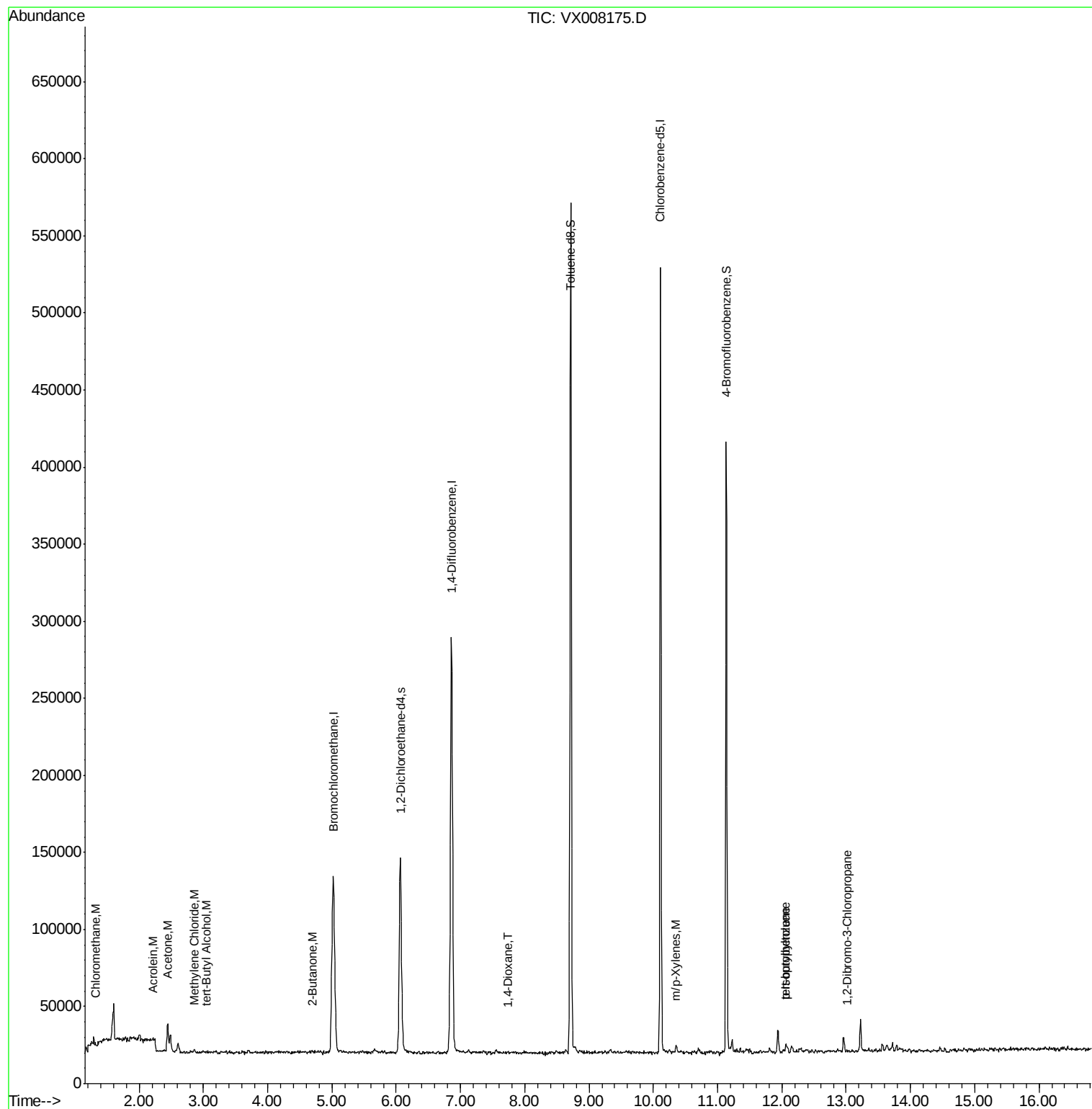
					Ovalue	
3) Chloromethane	1.33	50	573	0.214	ug/l	96
13) Acrolein	2.22	56	127	0.226	ug/l	86
15) Acetone	2.45	58	5645	10.843	ug/l	91
18) Methylene Chloride	2.87	84	1059	0.407	ug/l #	77
23) tert-Butyl Alcohol	3.04	59	172	0.288	ug/l #	68
30) 2-Butanone	4.70	43	949	0.398	ug/l #	91
45) 1,4-Dioxane	7.74	88	49	0.799	ug/l #	1
67) m/p-Xylenes	10.35	106	1287	0.313	ug/l	94
79) tert-butylbenzene	12.06	119	1907	0.213	ug/l	84
82) p-Isopropyltoluene	12.06	119	1907	0.213	ug/l	84
88) 1,2-Dibromo-3-Chloropropan	13.01	75	233	0.282	ug/l #	1

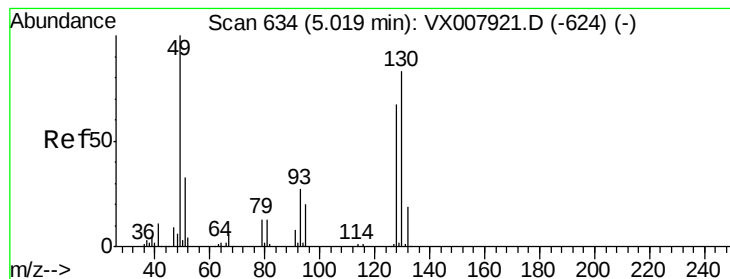
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Mar 18 14:34:46 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX008175.D

Acq: 18 Mar 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

MH-CO5(SETTLE-WATER)

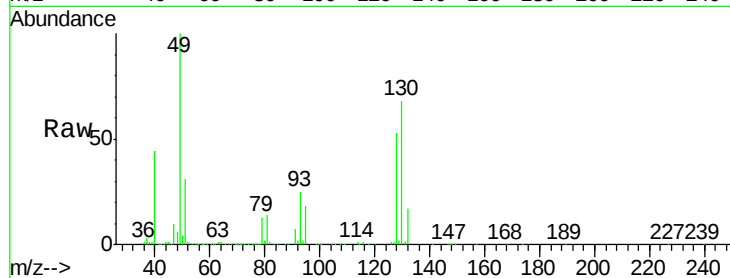
Tot Ion:128 Resp: 47480

Ion Ratio Lower Upper

128 100

49 193.8 0.0 350.8

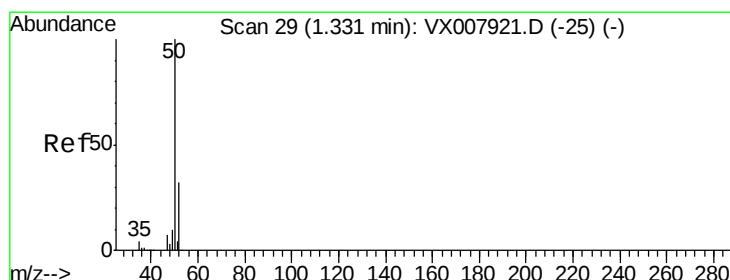
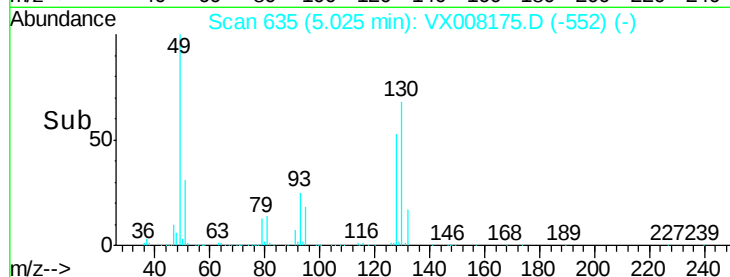
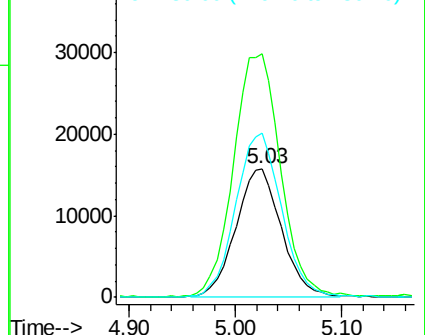
130 128.0 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.214 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008175.D

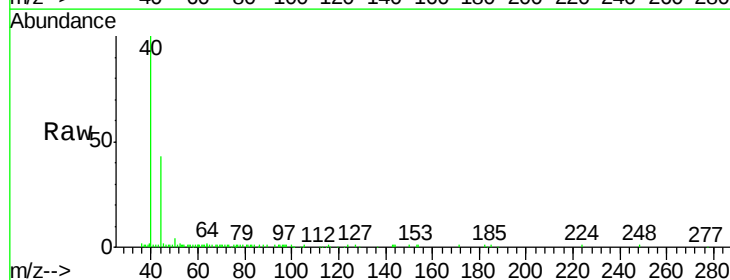
Acq: 18 Mar 2019 19:24

Tgt Ion: 50 Resp: 573

Ion Ratio Lower Upper

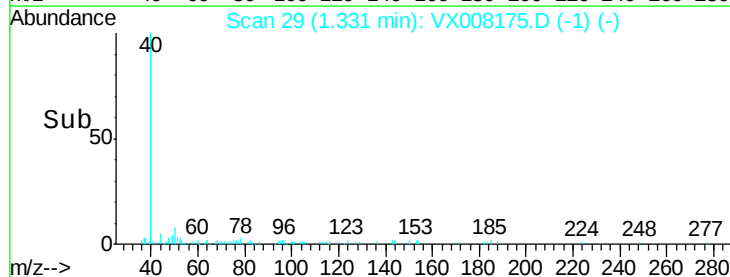
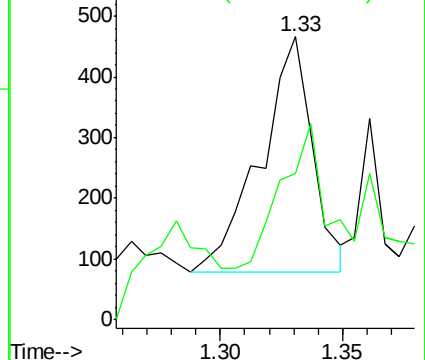
50 100

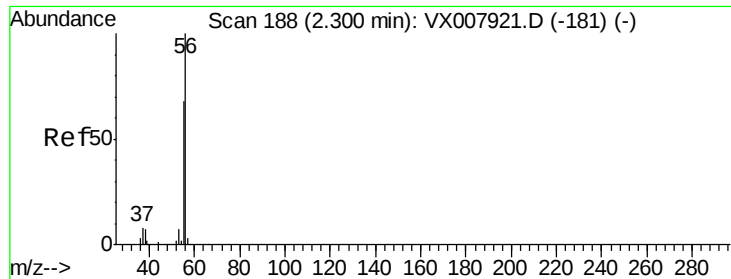
52 32.0 27.5 41.3



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#13

Acrolein

Concen: 0.226 ug/l

RT: 2.22 min Scan# 175

Delta R.T. -0.07 min

Lab File: VX008175.D

Acq: 18 Mar 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

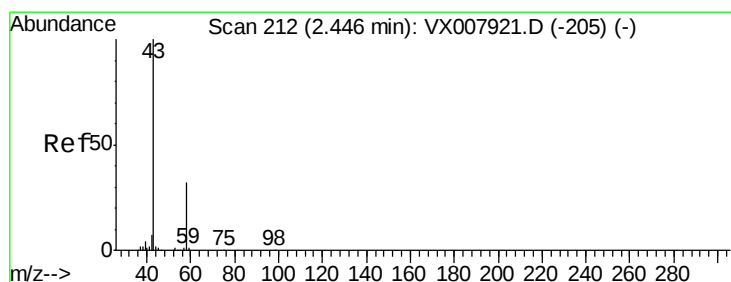
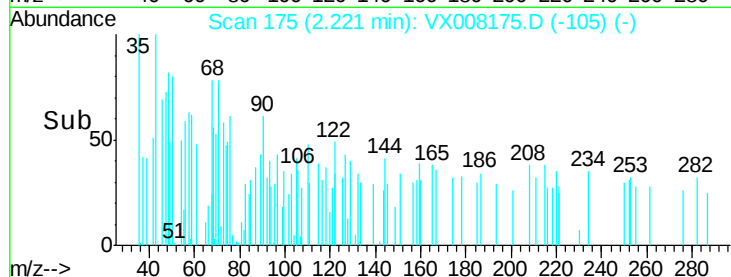
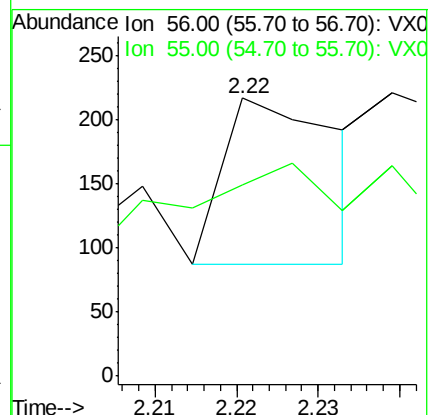
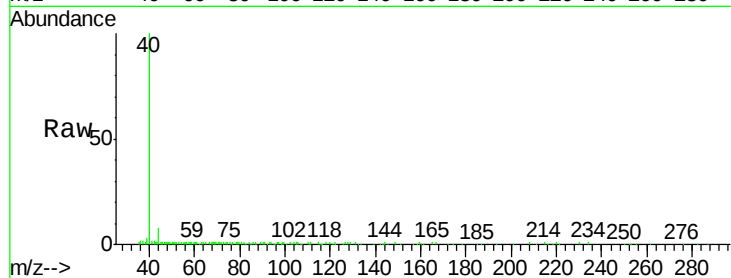
MH-CO5(SETTLE-WATER)

Tot Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 61.4 58.6 87.8



#15

Acetone

Concen: 10.843 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008175.D

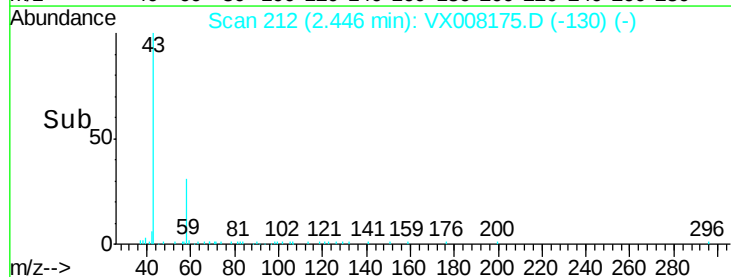
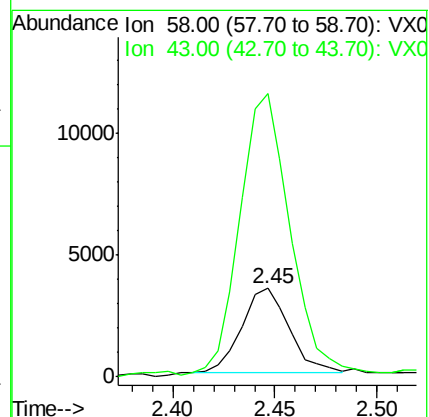
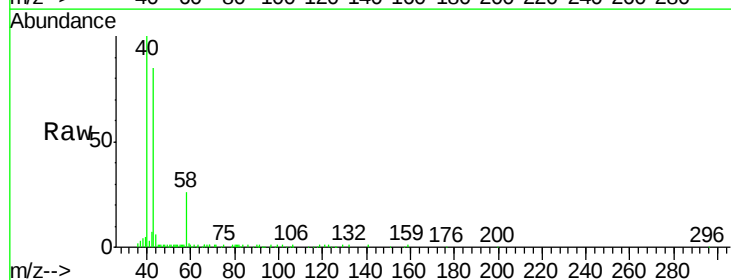
Acq: 18 Mar 2019 19:24

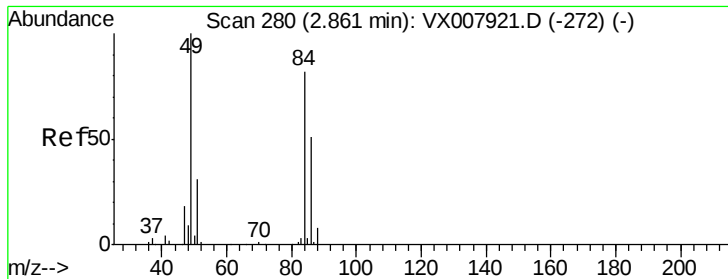
Tgt Ion: 58 Resp: 5645

Ion Ratio Lower Upper

58 100

43 329.5 249.8 374.6

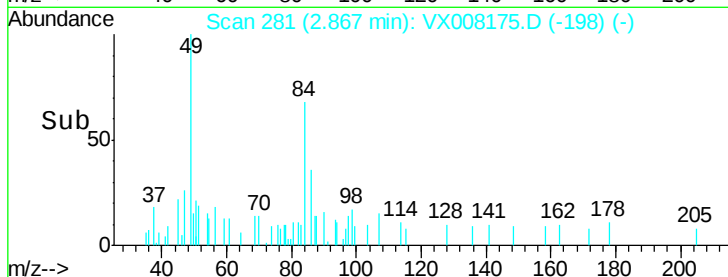
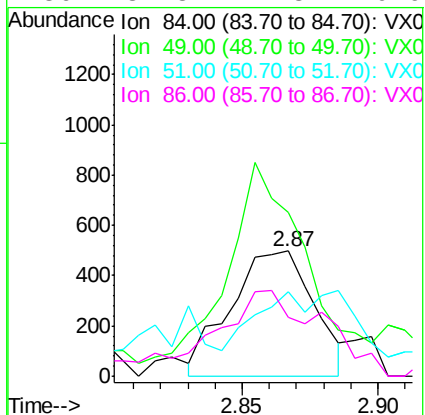
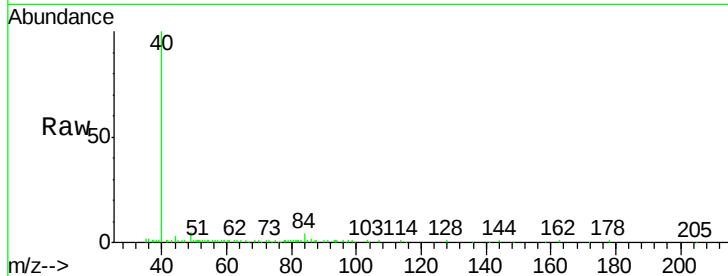




#18
Methylene Chloride
Concen: 0.407 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX008175.D
Acq: 18 Mar 2019 19:24

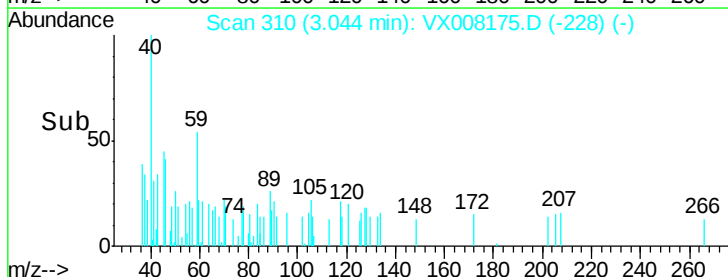
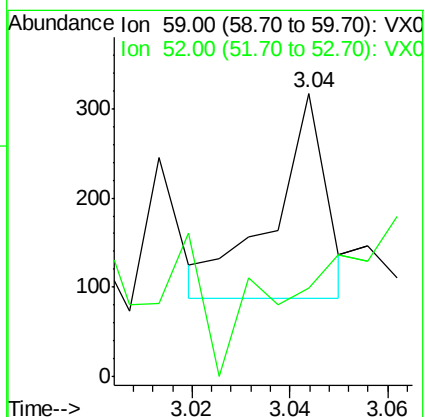
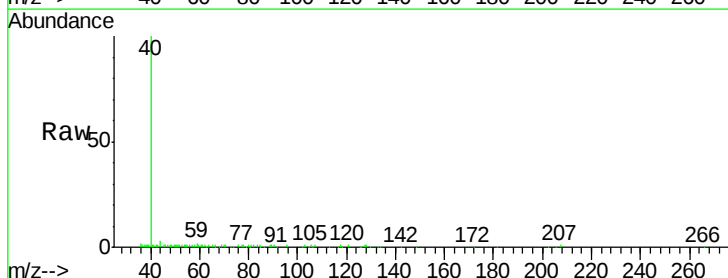
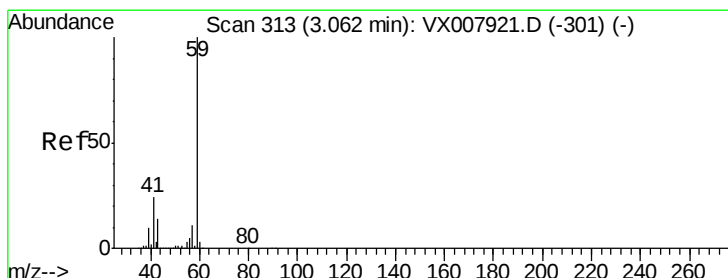
Instrument :
MSVOA_X
ClientSampleId :
MH-CO5(SETTLE-WATER)

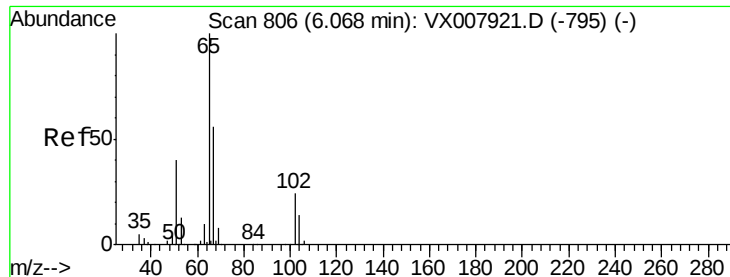
Tot Ion: 84 Resp: 1059
Ion Ratio Lower Upper
84 100
49 107.2 96.1 144.1
51 13.0 29.1 43.7#
86 31.8 47.3 70.9#



#23
tert-Butyl Alcohol
Concen: 0.288 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.00 min
Lab File: VX008175.D
Acq: 18 Mar 2019 19:24

Tgt Ion: 59 Resp: 172
Ion Ratio Lower Upper
59 100
52 40.7 0.2 0.2#





#27

1,2-Dichloroethane-d4

Concen: 30.931 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX008175.D

Acq: 18 Mar 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

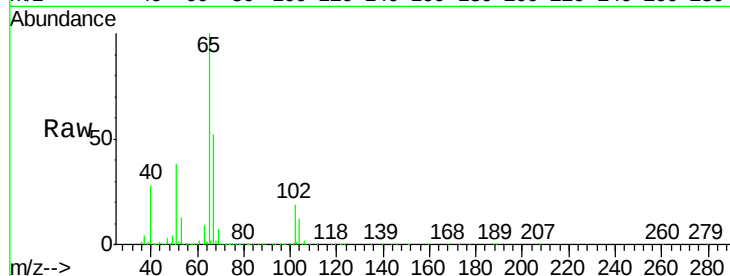
MH-CO5(SETTLE-WATER)

Tot Ion: 65 Resp: 122161

Ion Ratio Lower Upper

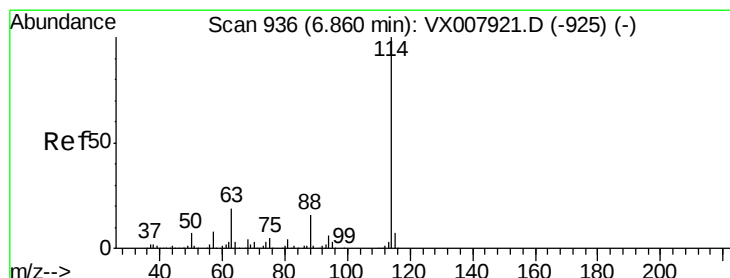
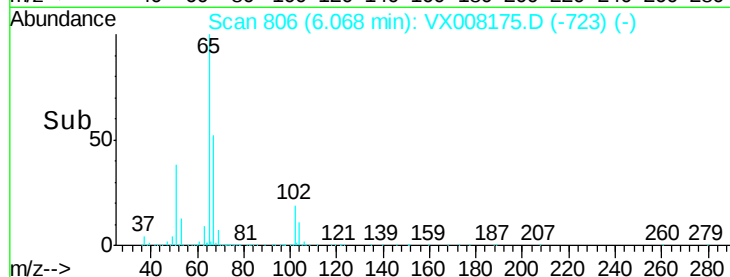
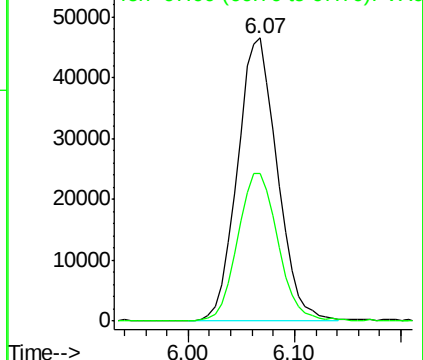
65 100

67 52.2 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008175.D

Acq: 18 Mar 2019 19:24

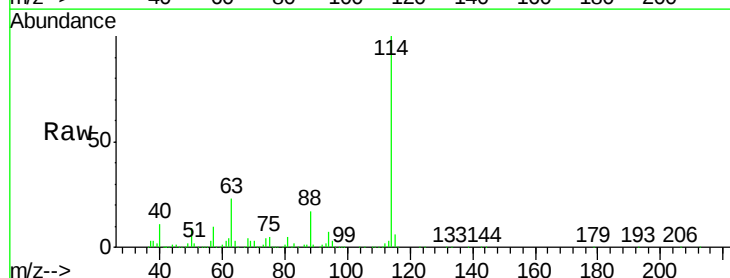
Tgt Ion:114 Resp: 255838

Ion Ratio Lower Upper

114 100

63 23.3 14.2 21.4#

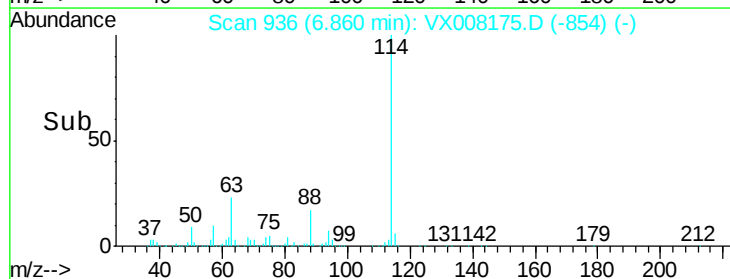
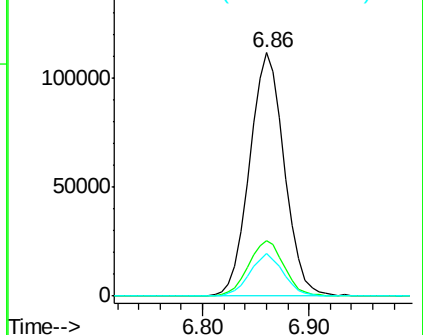
88 16.9 11.9 17.9

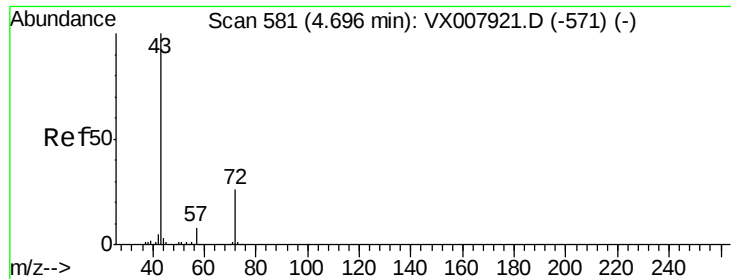


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

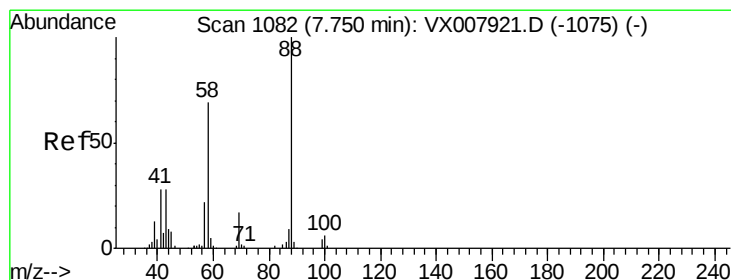
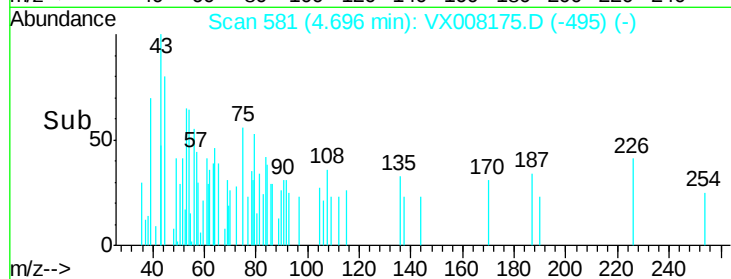
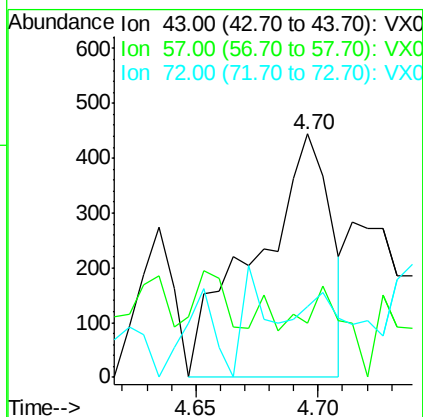
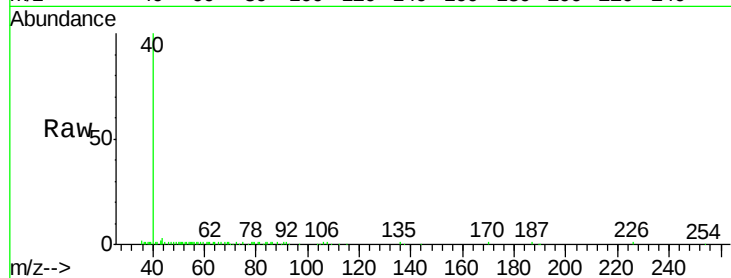




#30
2-Butanone
Concen: 0.398 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX008175.D
Acq: 18 Mar 2019 19:24

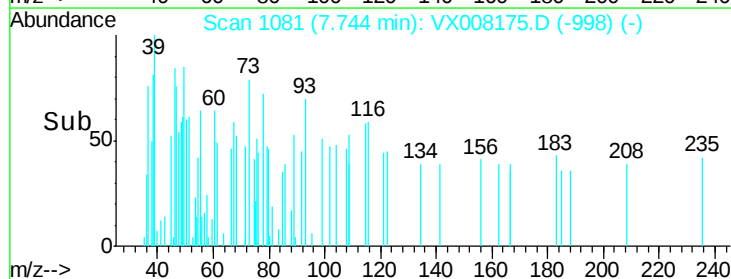
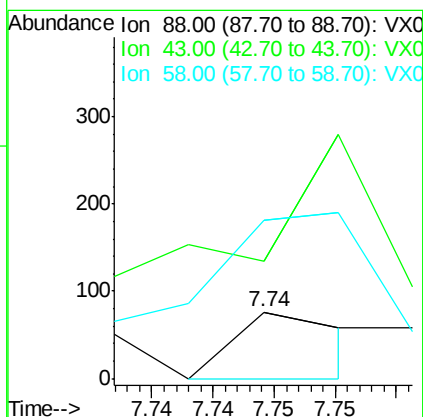
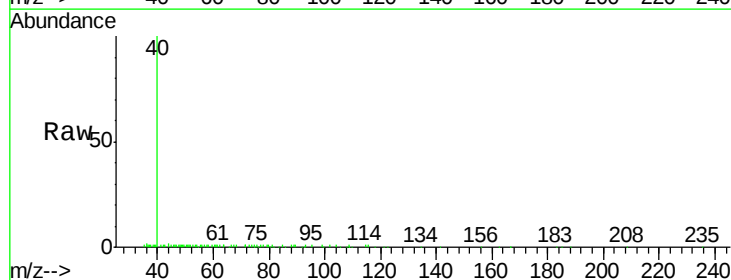
Instrument :
MSVOA_X
ClientSampleId :
MH-CO5(SETTLE-WATER)

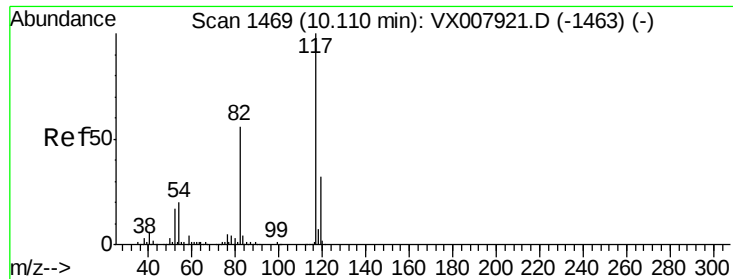
Tot Ion: 43 Resp: 949
Ion Ratio Lower Upper
43 100
57 14.2 7.0 10.6#
72 23.0 21.5 32.3



#45
1,4-Dioxane
Concen: 0.799 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008175.D
Acq: 18 Mar 2019 19:24

Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 134.7 23.6 35.4#
58 430.6 51.6 77.4#

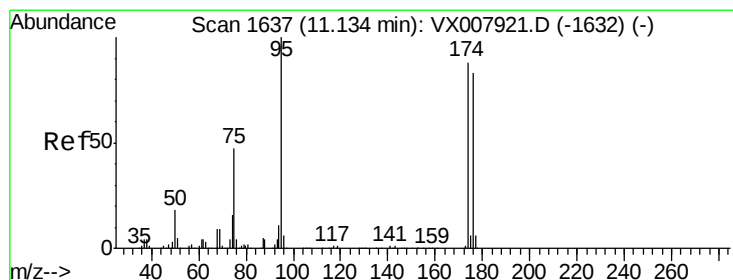
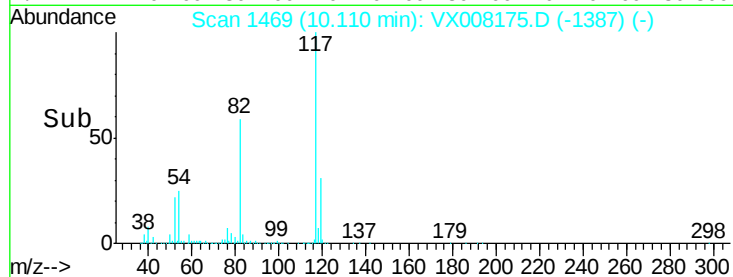
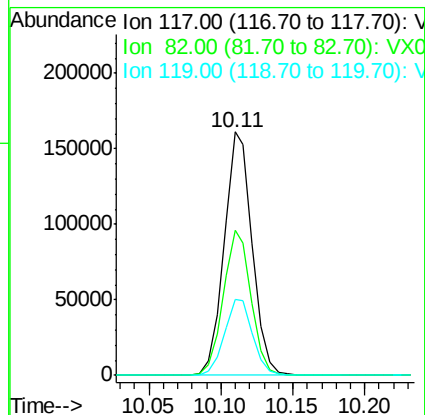
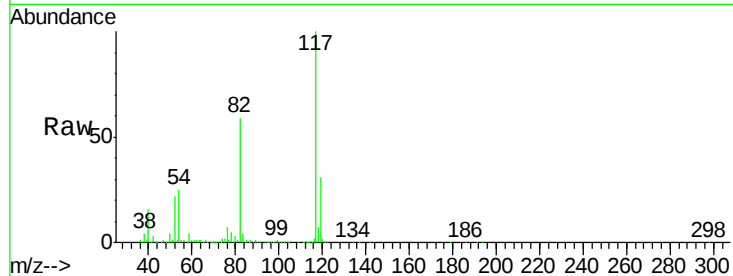




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008175.D
Acq: 18 Mar 2019 19:24

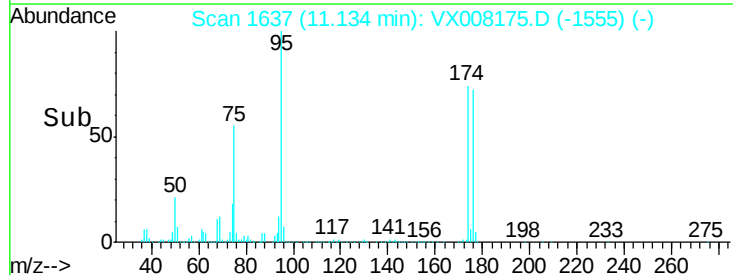
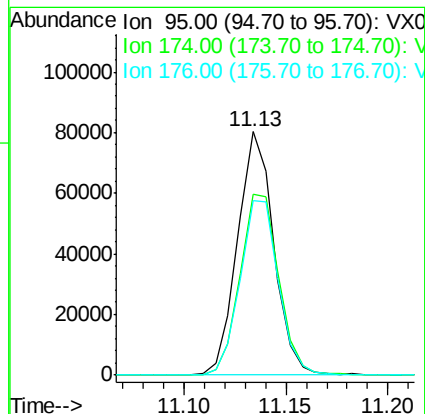
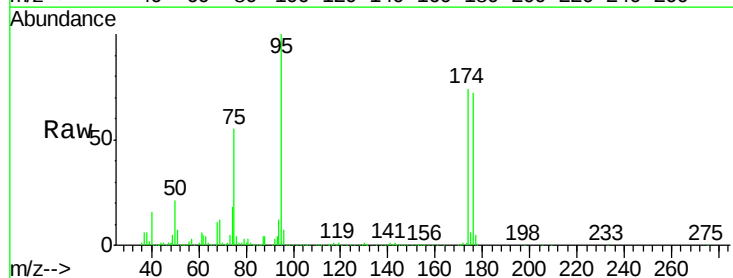
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MH-CO5(SETTLE-WATER)

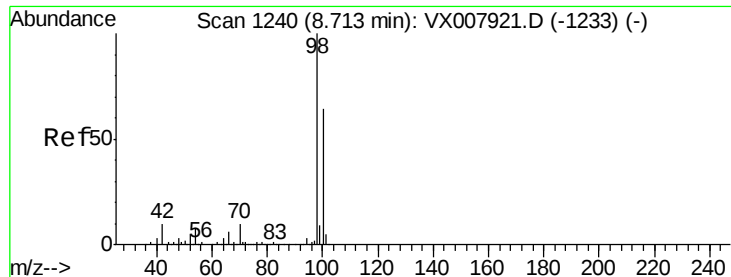
Tot Ion:117 Resp: 220075
Ion Ratio Lower Upper
117 100
82 59.3 40.4 60.6
119 31.7 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 26.857 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008175.D
Acq: 18 Mar 2019 19:24

Tgt Ion: 95 Resp: 98645
Ion Ratio Lower Upper
95 100
174 79.7 74.9 112.3
176 76.8 70.7 106.1





#63

Toluene-d8

Concen: 30.017 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008175.D

Acq: 18 Mar 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

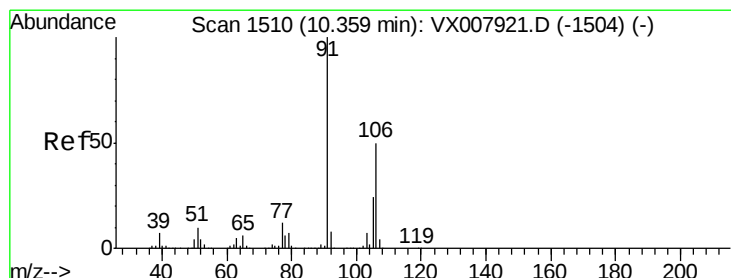
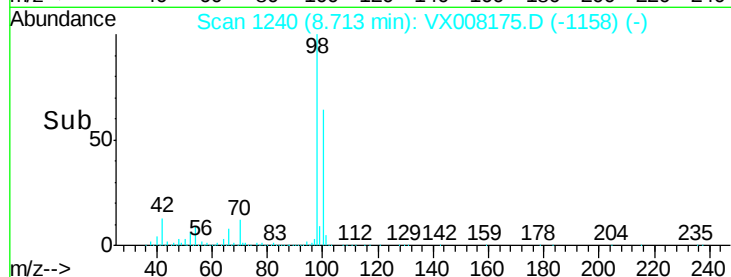
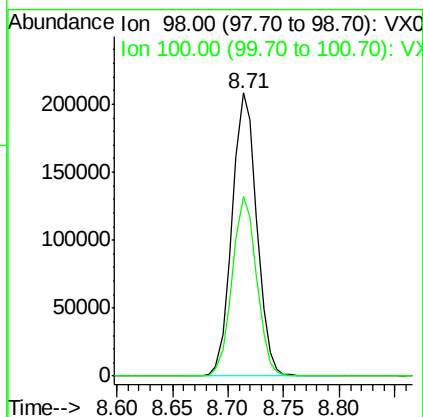
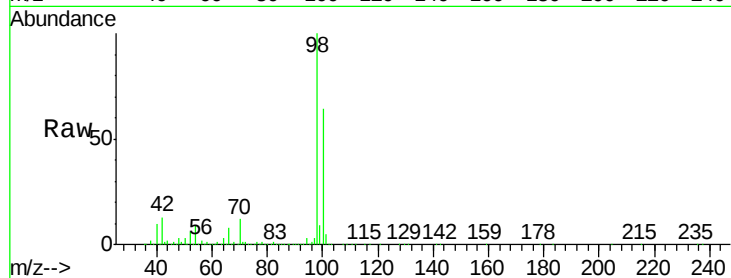
MH-CO5(SETTLE-WATER)

Tot Ion: 98 Resp: 320971

Ion Ratio Lower Upper

98 100

100 62.6 50.9 76.3



#67

m/p-Xylenes

Concen: 0.313 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX008175.D

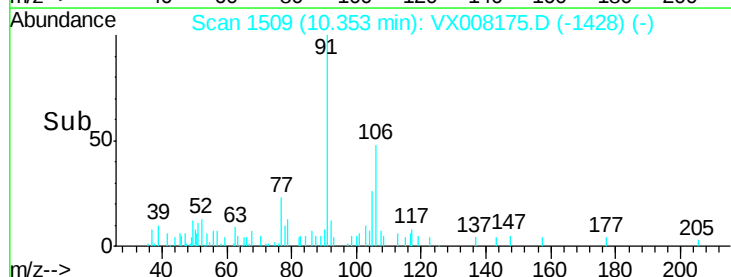
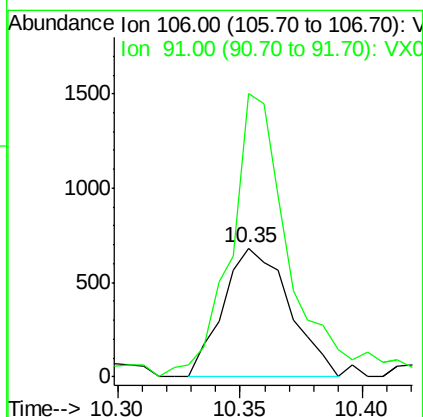
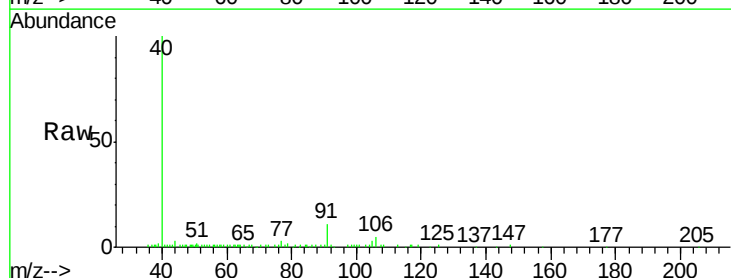
Acq: 18 Mar 2019 19:24

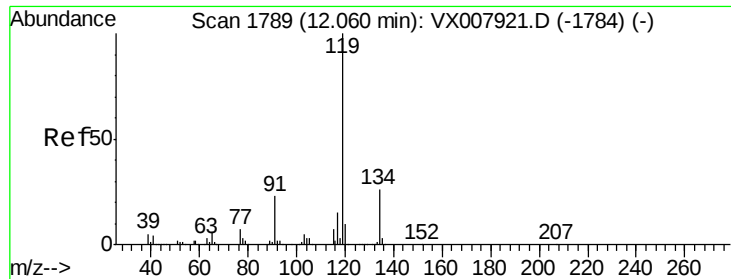
Tgt Ion:106 Resp: 1287

Ion Ratio Lower Upper

106 100

91 187.4 157.0 235.4





#79

tert-butylbenzene

Concen: 0.213 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008175.D

Acq: 18 Mar 2019 19:24

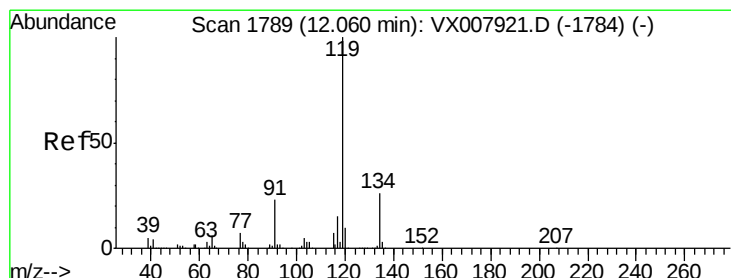
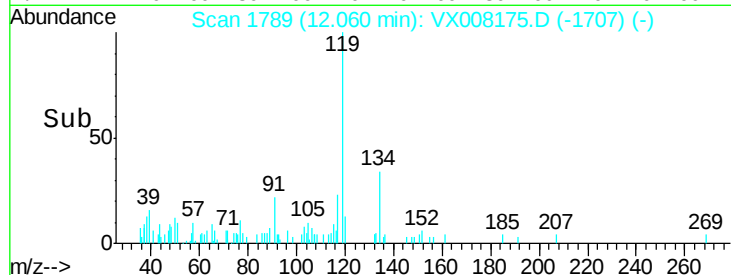
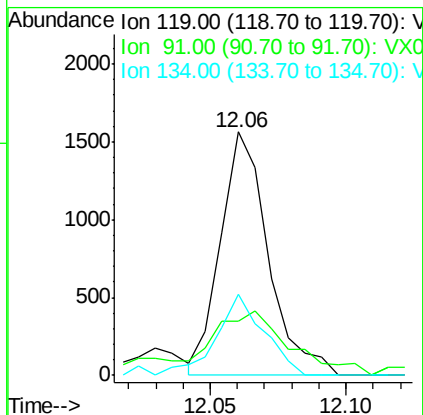
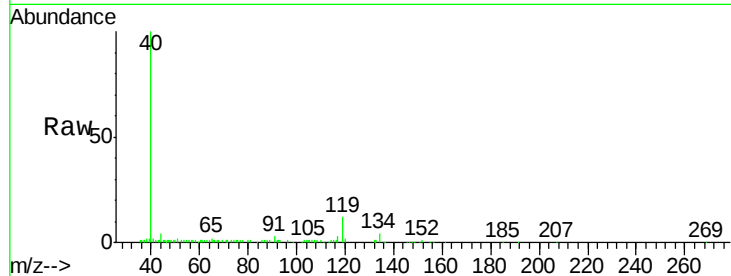
Instrument :

MSVOA_X

ClientSampleId :

MH-CO5(SETTLE-WATER)

Tot Ion:	119	Resp:	1907
Ion	Ratio	Lower	Upper
119	100		
91	33.4	0.0	45.0
134	33.3	0.0	55.4



#82

p-Isopropyltoluene

Concen: 0.213 ug/l

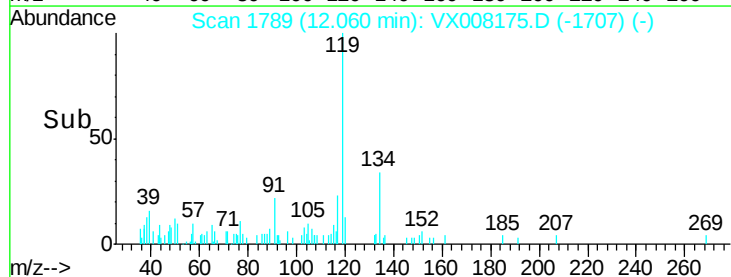
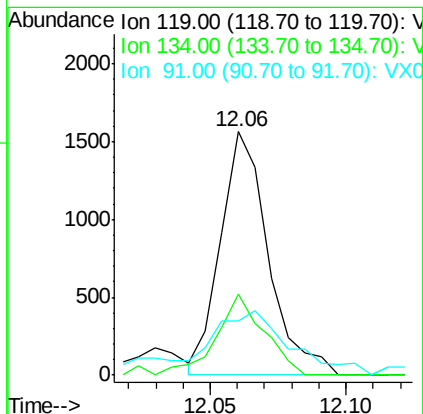
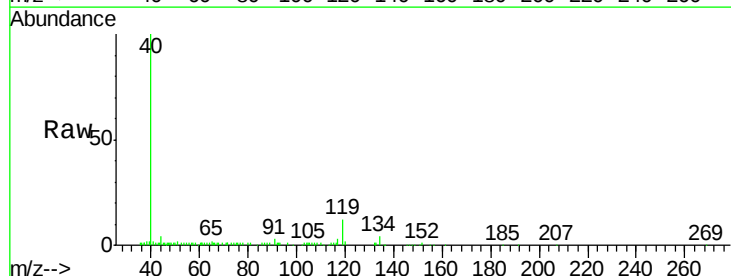
RT: 12.06 min Scan# 1789

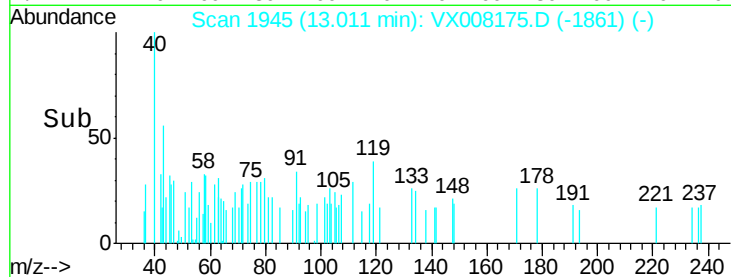
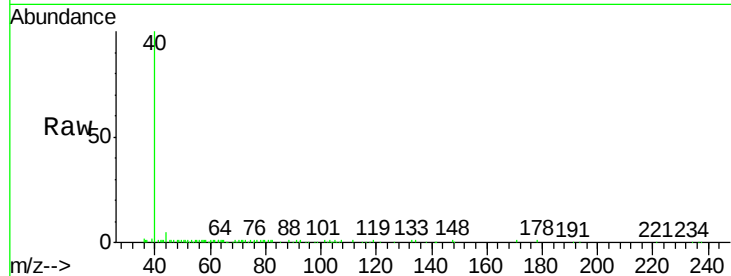
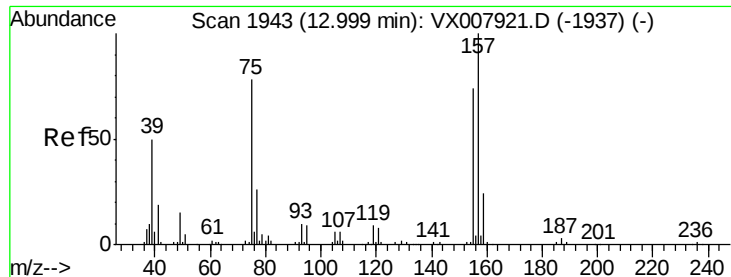
Delta R.T. -0.00 min

Lab File: VX008175.D

Acq: 18 Mar 2019 19:24

Tgt Ion:	119	Resp:	1907
Ion	Ratio	Lower	Upper
119	100		
134	33.3	0.0	55.4
91	33.4	0.0	45.0





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.282 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX008175.D

Acq: 18 Mar 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

MH-CO5(SETTLE-WATER)

Tot Ion: 75 Resp: 233

Ion Ratio Lower Upper

75 100

155 0.0 81.0 121.6#

157 0.0 103.2 154.8#

