

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006649.D
 Acq On : 19 Dec 2018 20:44
 Operator : JC/MD
 Sample : J6491-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GT103-AFTER-FILTERS

Quant Time: Dec 20 04:05:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	606596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	973562	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	912946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	446993	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	342537	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
35) Dibromofluoromethane	5.51	113	291269	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
50) Toluene-d8	8.71	98	1172575	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.13	95	427755	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	

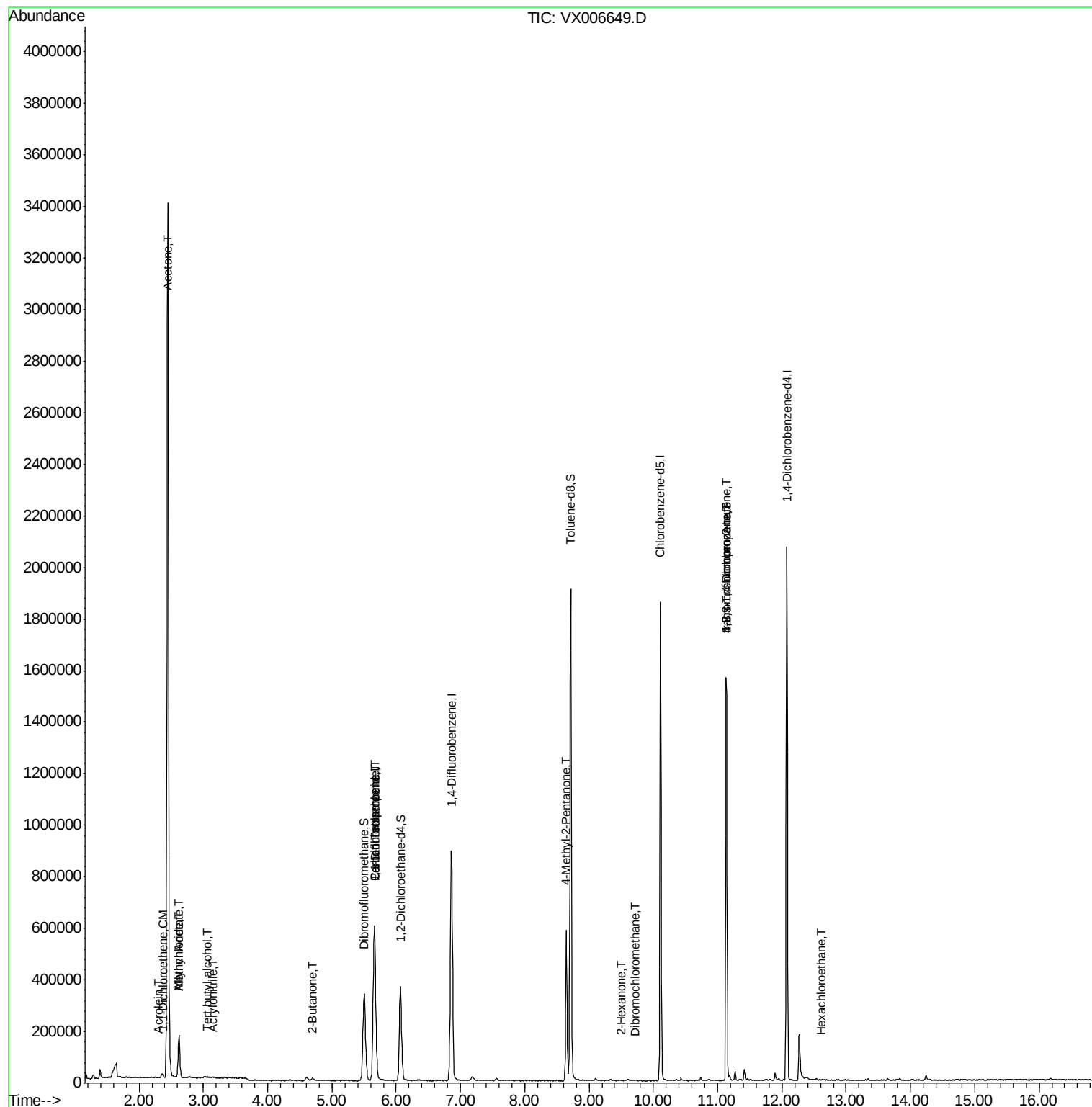
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1238	Below Cal		86
11) Tert butyl alcohol	3.06	59	7947	5.447	ug/l	97
12) 1,1-Dichloroethene	2.38	96	1343	0.248	ug/l #	49
13) Acrolein	2.30	56	269	0.273	ug/l #	13
14) Allyl chloride	2.62	41	14699	1.611	ug/l #	51
15) Acrylonitrile	3.15	53	2435	0.752	ug/l #	67
16) Acetone	2.45	43	3526092	1173.958	ug/l	99
18) Methyl Acetate	2.62	43	52583	5.954	ug/l #	52
25) 2-Butanone	4.70	43	17113	4.050	ug/l	96
28) Bromochloromethane	5.01	49	243	Below Cal	#	4
36) 1,1-Dichloropropene	5.66	75	42225	5.237	ug/l #	49
38) Carbon Tetrachloride	5.67	117	59469	7.589	ug/l #	14
49) 1,4-Dioxane	7.75	88	255	Below Cal	#	37
51) 4-Methyl-2-Pentanone	8.65	43	329432	40.546	ug/l	100
59) 2-Hexanone	9.50	43	1643	0.264	ug/l	99
60) Dibromochloromethane	9.73	129	60	2.333	ug/l	56
76) 1,2,3-Trichloropropane	11.13	75	202903	24.426	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	202903	72.274	ug/l #	10
90) Hexachloroethane	12.61	117	319	3.363	ug/l #	6

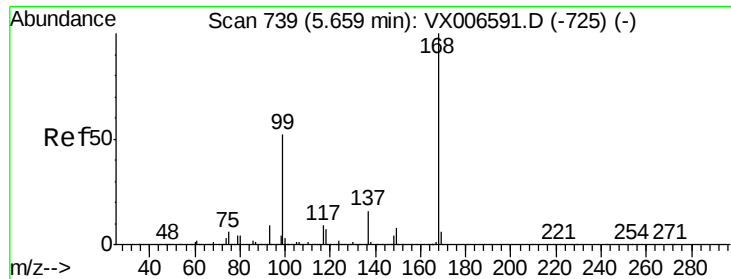
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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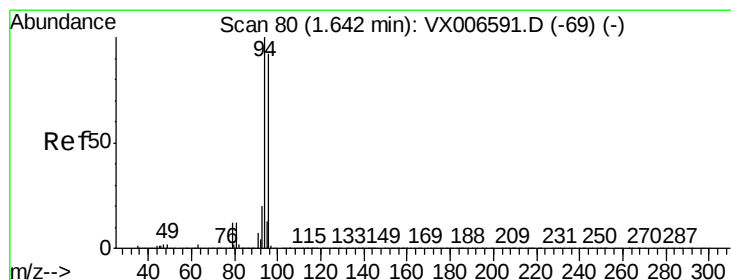
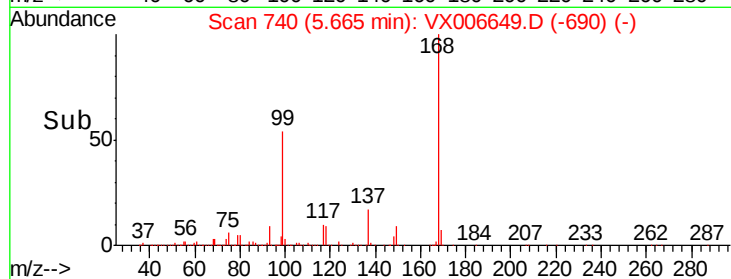
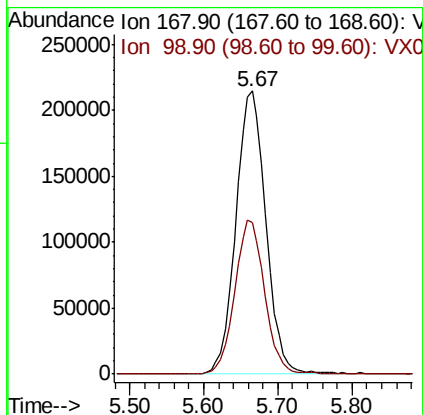
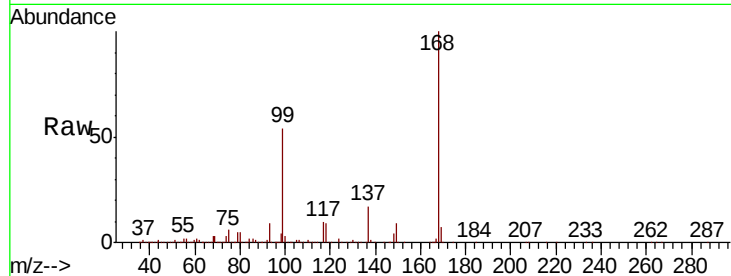


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX006649.D
 Acq: 19 Dec 2018 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 GT103-AFTER-FILTERS

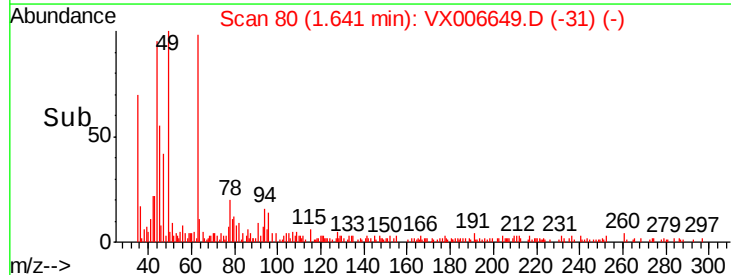
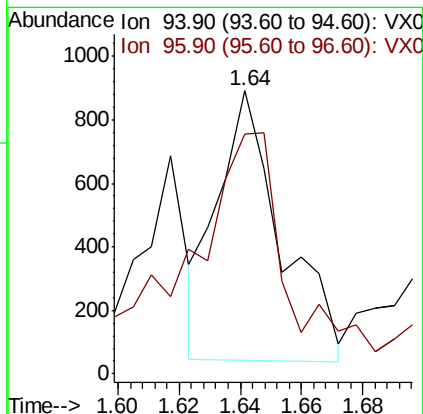
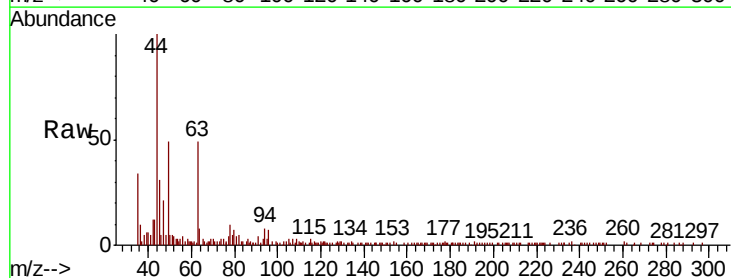
Tot Ion:168 Resp: 606596
 Ion Ratio Lower Upper
 168 100
 99 53.6 41.8 62.8

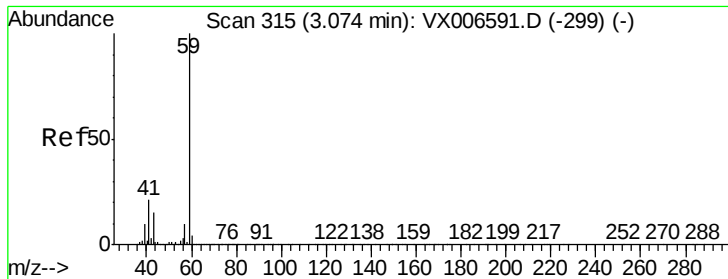


#5

Bromomethane
 Concen: Below Cal
 RT: 1.64 min Scan# 80
 Delta R.T. 0.00 min
 Lab File: VX006649.D
 Acq: 19 Dec 2018 20:44

Tgt Ion: 94 Resp: 1238
 Ion Ratio Lower Upper
 94 100
 96 78.1 73.4 110.2



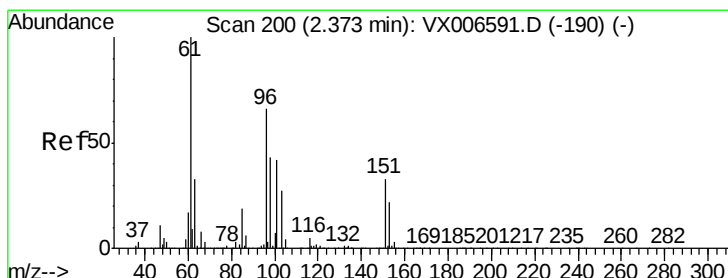
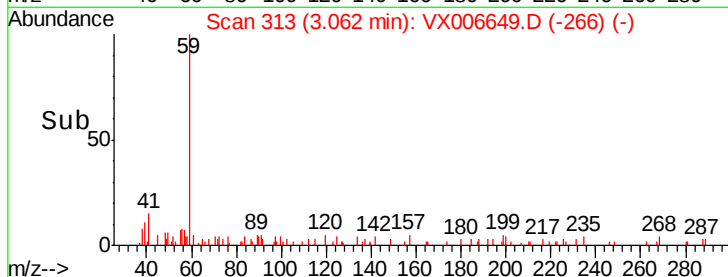
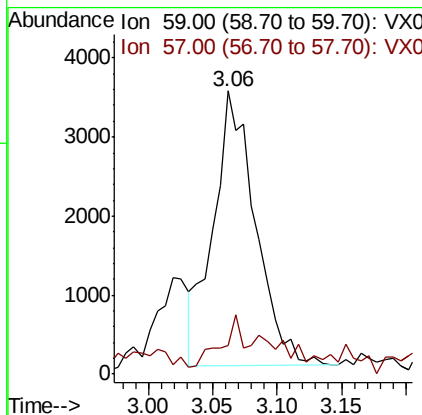
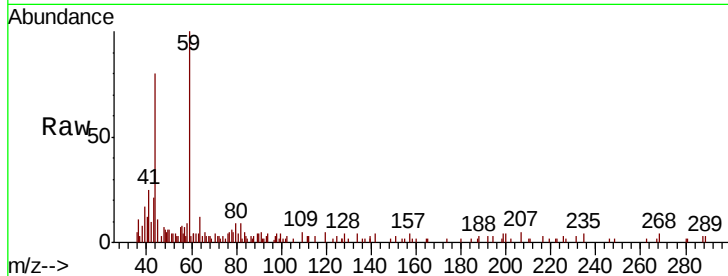


#11

Tert butyl alcohol
Concen: 5.447 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX006649.D
Acq: 19 Dec 2018 20:44

Instrument :
MSVOA_X
ClientSampleId :
GT103-AFTER-FILTERS

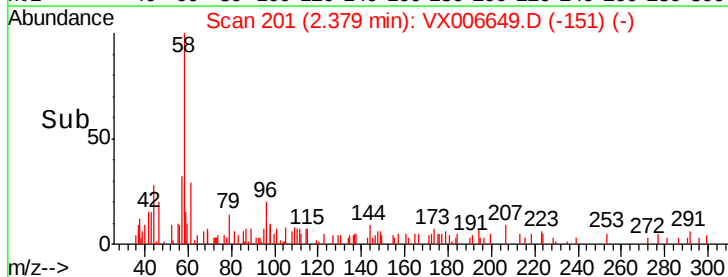
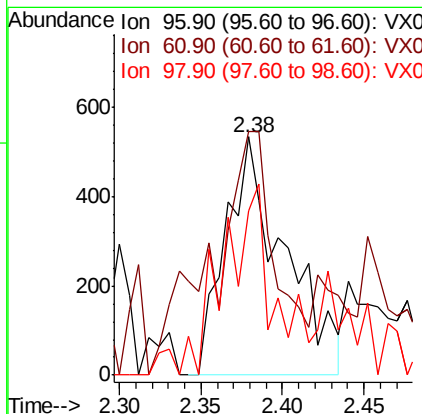
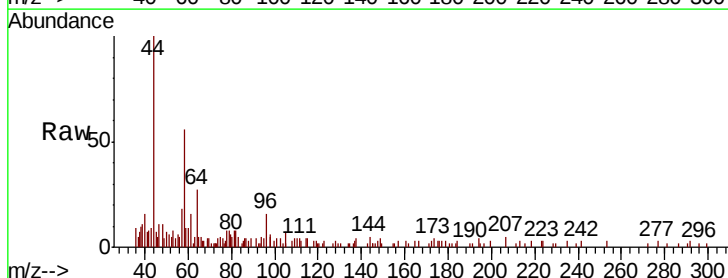
Tot Ion: 59 Resp: 7947
Ion Ratio Lower Upper
59 100
57 9.7 8.5 12.7

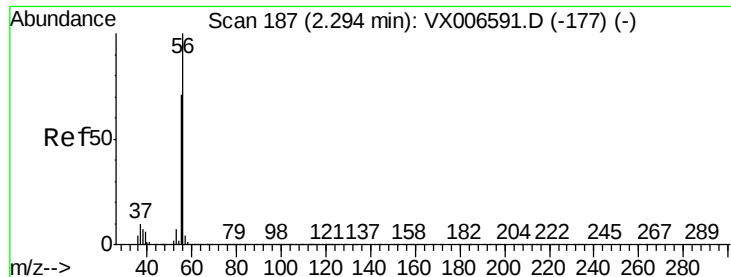


#12

1,1-Dichloroethene
Concen: 0.248 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006649.D
Acq: 19 Dec 2018 20:44

Tgt Ion: 96 Resp: 1343
Ion Ratio Lower Upper
96 100
61 68.5 121.4 182.2#
98 50.3 51.9 77.9#





#13

Acrolein

Concen: 0.273 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006649.D

Acq: 19 Dec 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

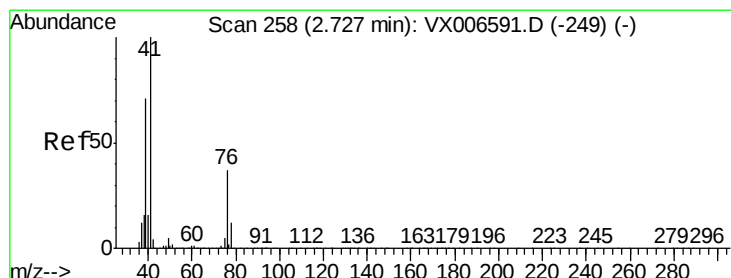
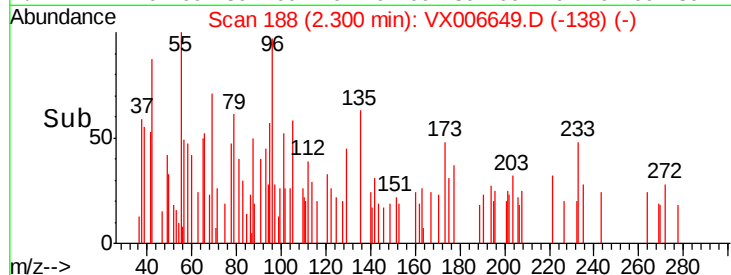
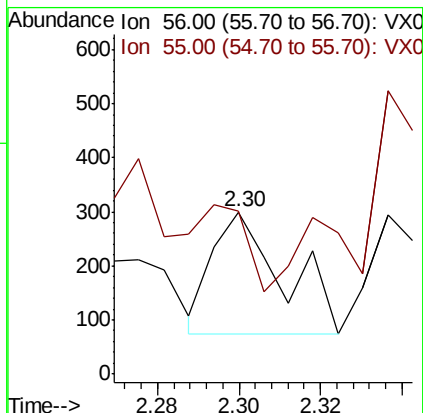
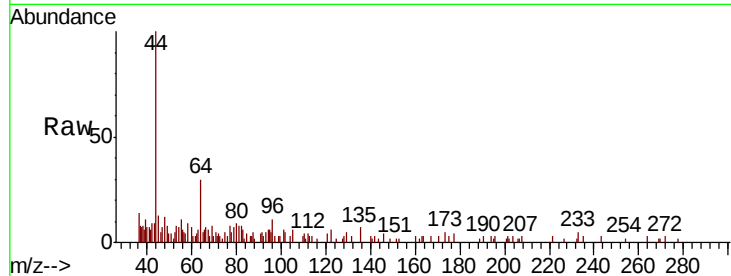
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Tot Ion: 56 Resp: 269

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#14

Allyl chloride

Concen: 1.611 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.11 min

Lab File: VX006649.D

Acq: 19 Dec 2018 20:44

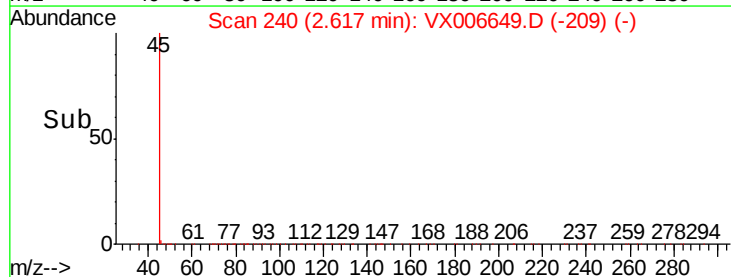
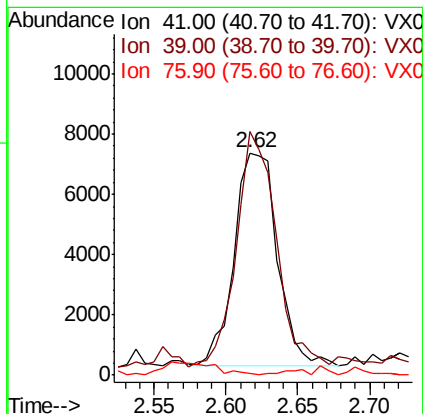
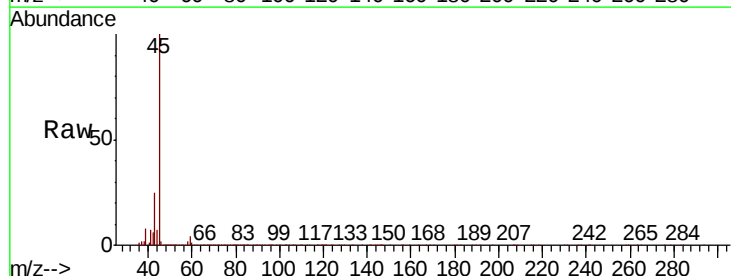
Tgt Ion: 41 Resp: 14699

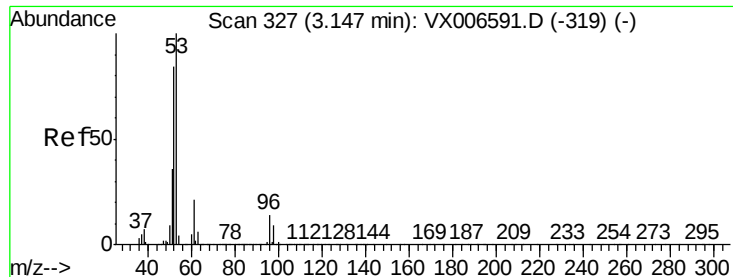
Ion Ratio Lower Upper

41 100

39 102.2 53.6 80.4#

76 0.0 27.4 41.2#





#15

Acrylonitrile

Concen: 0.752 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006649.D

Acq: 19 Dec 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

GT103-AFTER-FILTERS

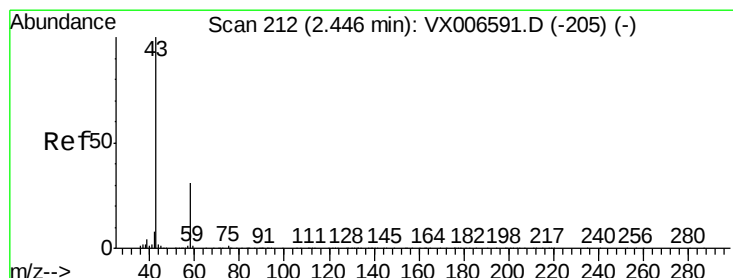
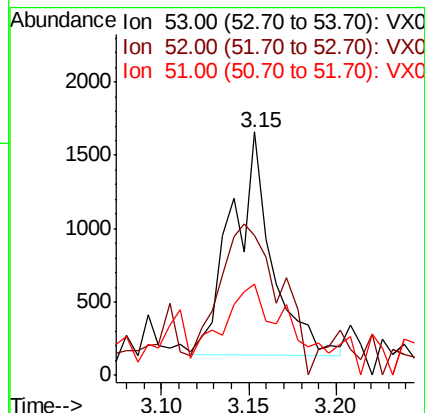
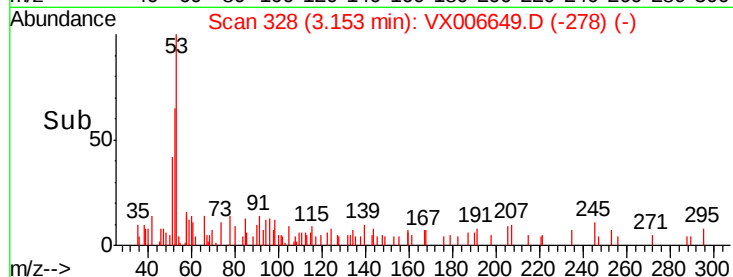
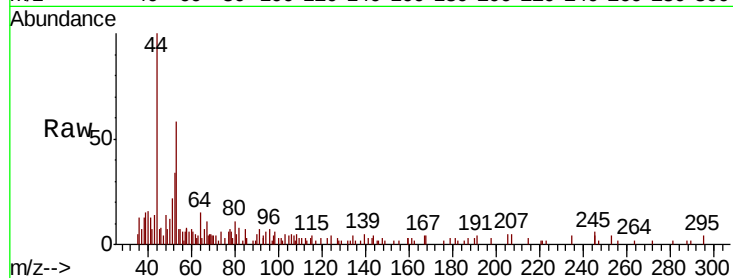
Tot Ion: 53 Resp: 2435

Ion Ratio Lower Upper

53 100

52 102.0 66.0 99.0#

51 71.1 28.6 42.8#



#16

Acetone

Concen: 1173.958 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006649.D

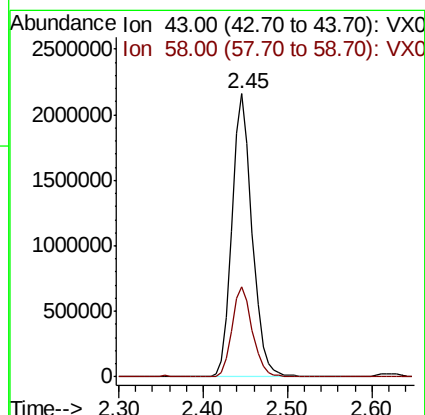
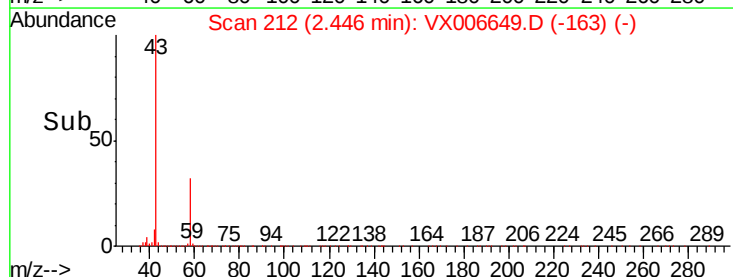
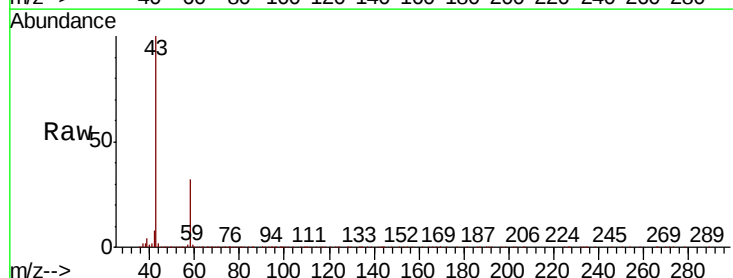
Acq: 19 Dec 2018 20:44

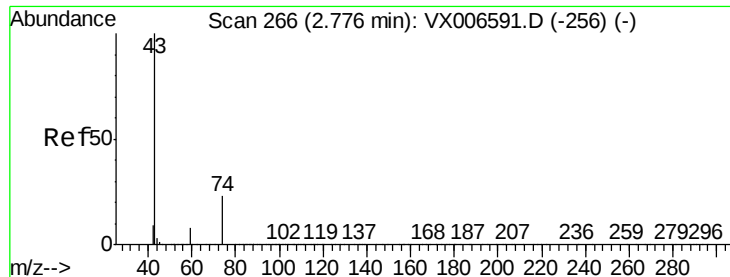
Tgt Ion: 43 Resp: 3526092

Ion Ratio Lower Upper

43 100

58 31.9 25.0 37.6

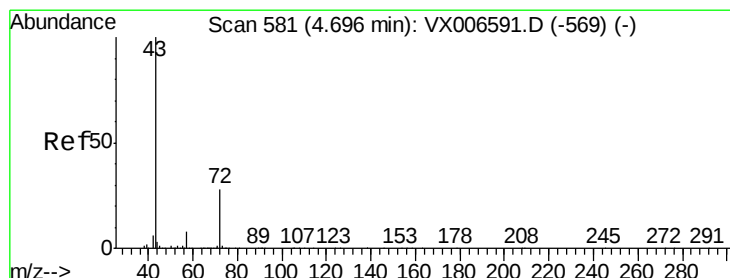
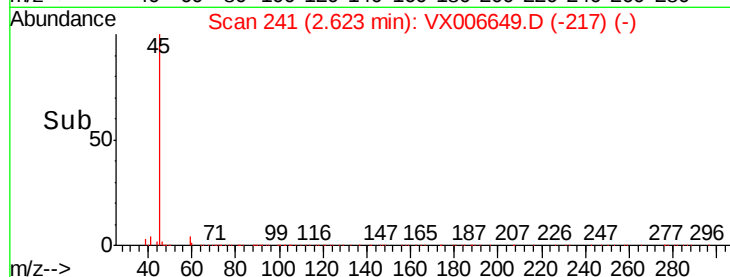
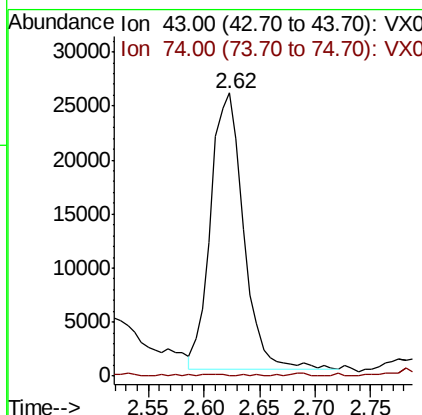
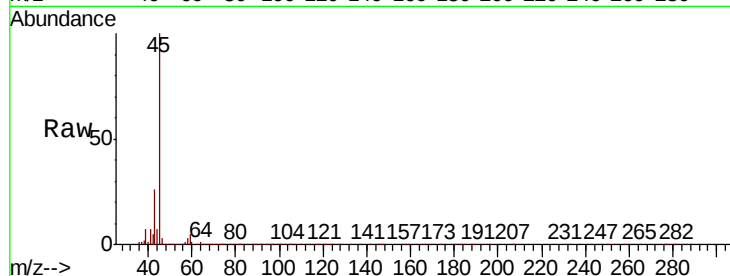




#18
Methyl Acetate
Concen: 5.954 ug/l
RT: 2.62 min Scan# 241
Delta R.T. -0.15 min
Lab File: VX006649.D
Acq: 19 Dec 2018 20:44

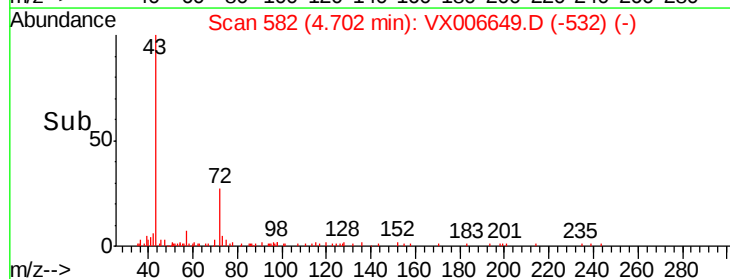
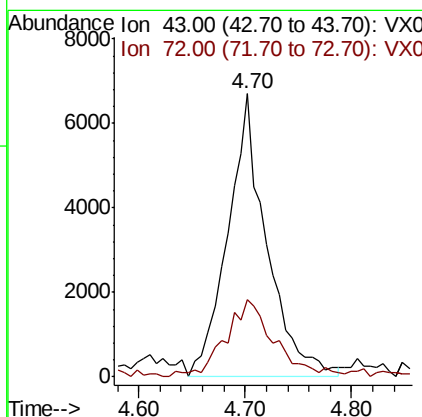
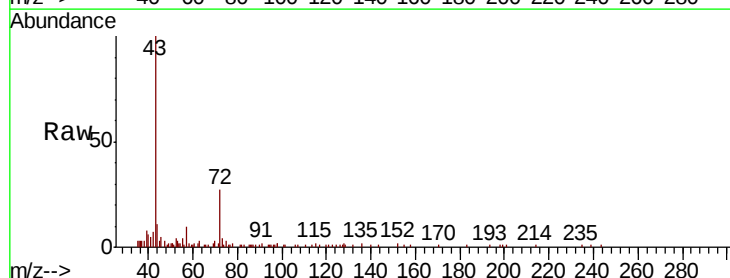
Instrument :
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ClientSampleId :
GT103-AFTER-FILTERS

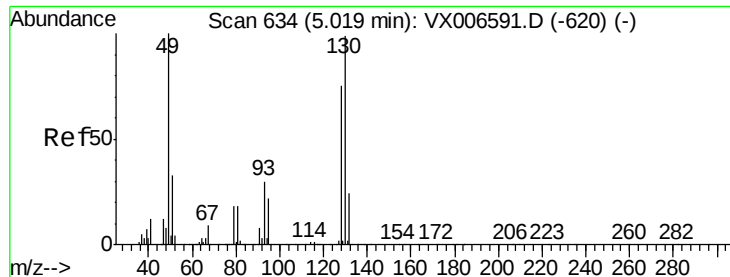
Tot Ion: 43 Resp: 52583
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#25
2-Butanone
Concen: 4.050 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX006649.D
Acq: 19 Dec 2018 20:44

Tgt Ion: 43 Resp: 17113
Ion Ratio Lower Upper
43 100
72 25.8 22.4 33.6





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX006649.D

Acq: 19 Dec 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

GT103-AFTER-FILTERS

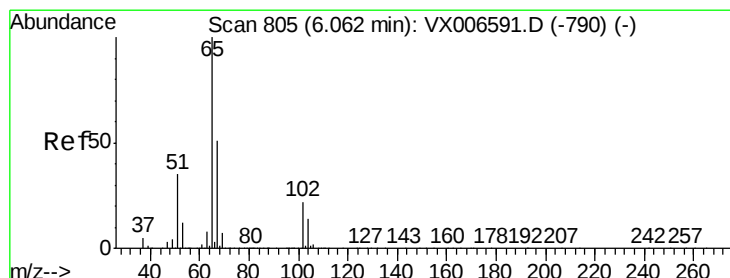
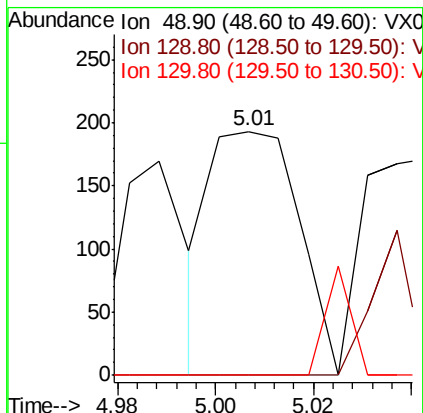
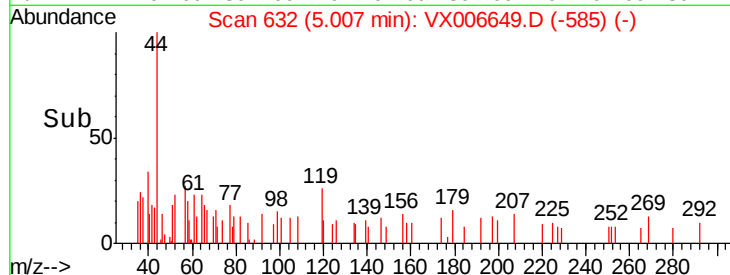
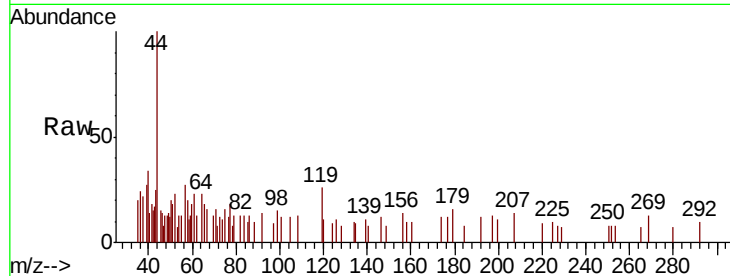
Tot Ion: 49 Resp: 243

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

130 0.0 77.7 116.5#



#33

1,2-Dichloroethane-d4

Concen: 52.395 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006649.D

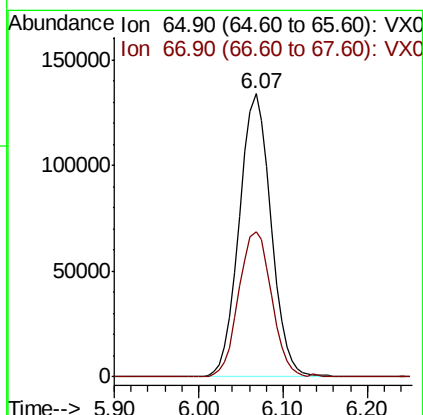
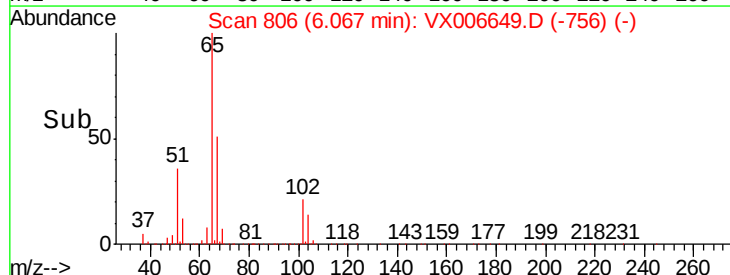
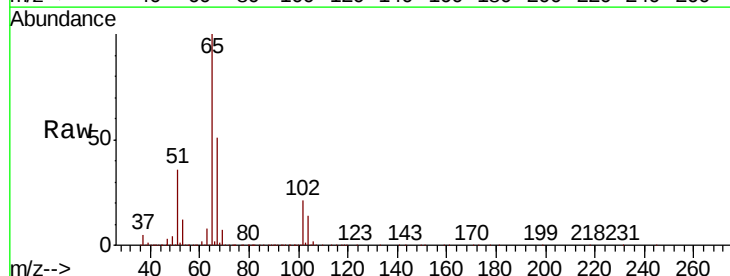
Acq: 19 Dec 2018 20:44

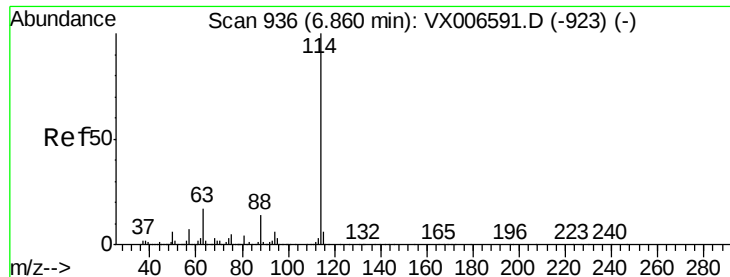
Tgt Ion: 65 Resp: 342537

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006649.D

Acq: 19 Dec 2018 20:44

Instrument :

MSVOA_X

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GT103-AFTER-FILTERS

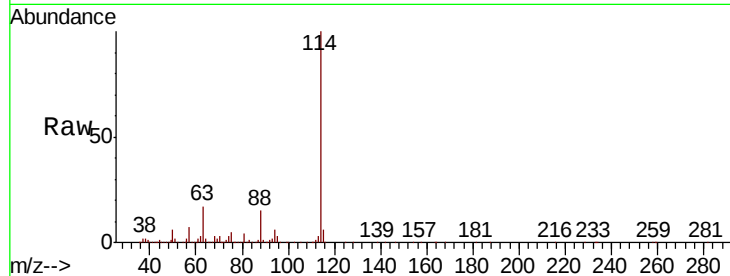
Tot Ion:114 Resp: 973562

Ion Ratio Lower Upper

114 100

63 16.5 0.0 34.8

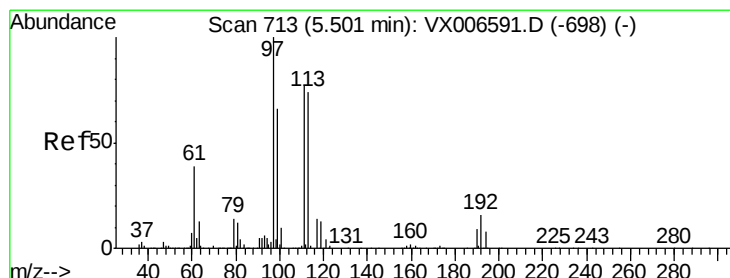
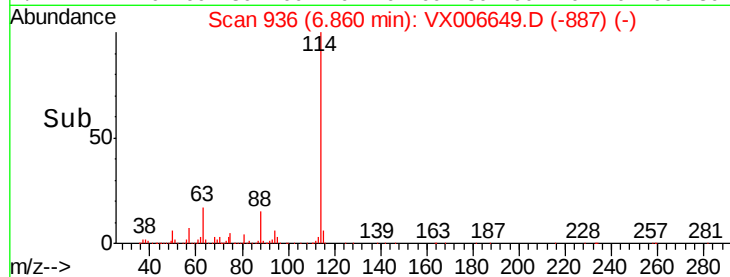
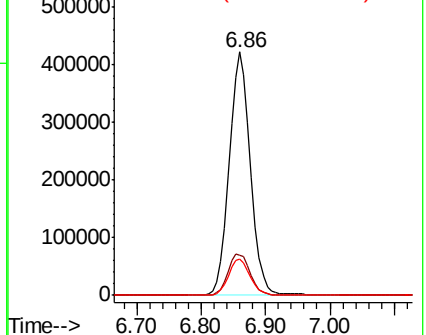
88 14.8 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.310 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006649.D

Acq: 19 Dec 2018 20:44

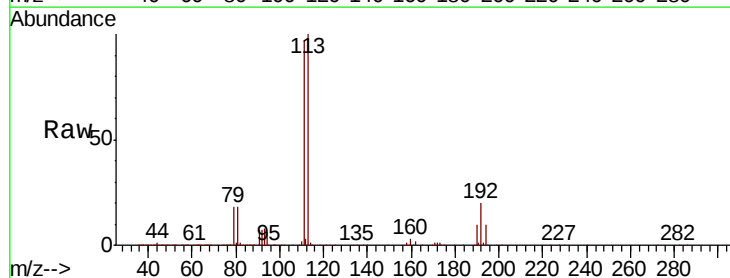
Tgt Ion:113 Resp: 291269

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

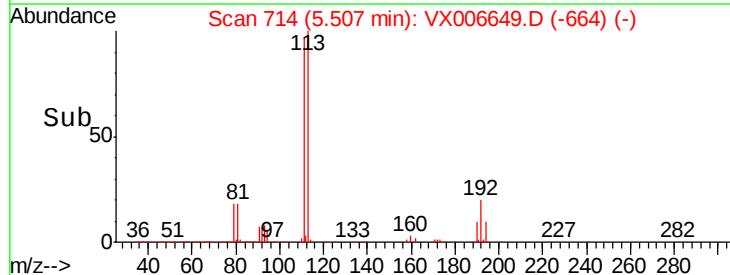
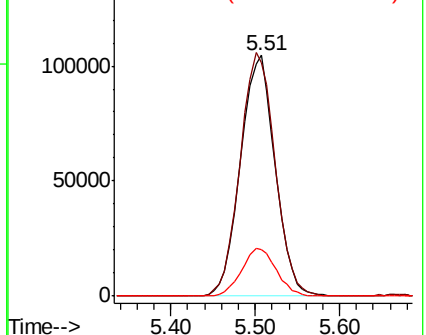
192 19.8 16.7 25.1

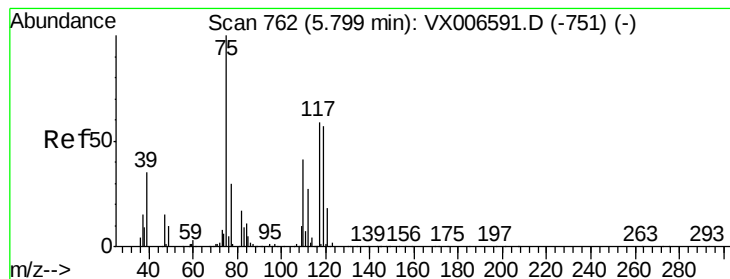


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.237 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006649.D

Acq: 19 Dec 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

GT103-AFTER-FILTERS

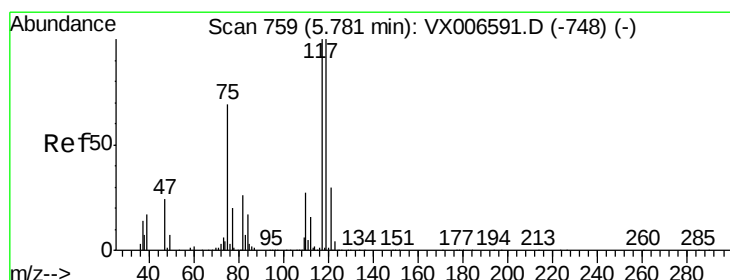
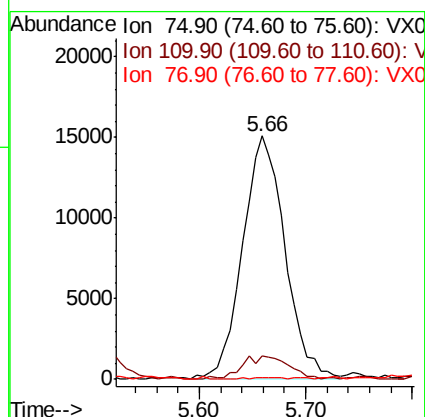
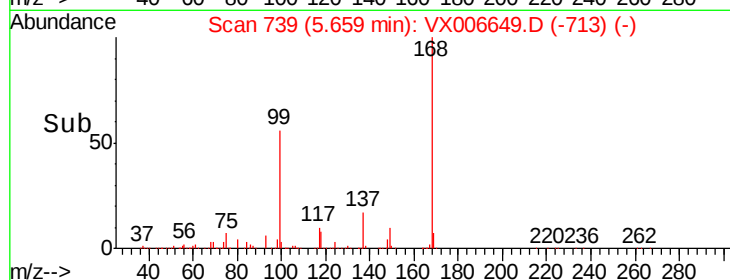
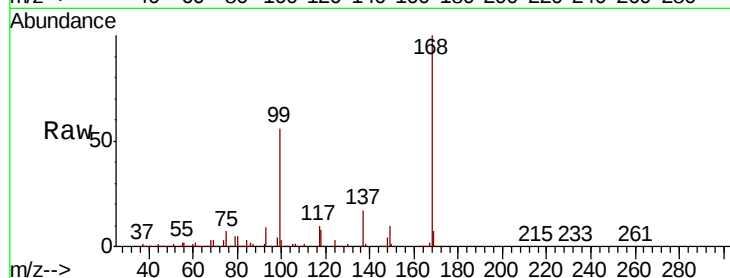
Tot Ion: 75 Resp: 42225

Ion Ratio Lower Upper

75 100

110 10.9 20.2 60.5#

77 0.6 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.589 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006649.D

Acq: 19 Dec 2018 20:44

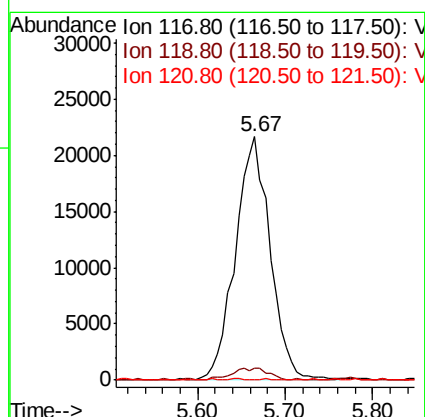
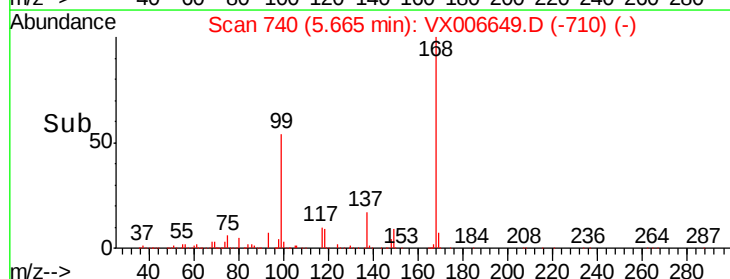
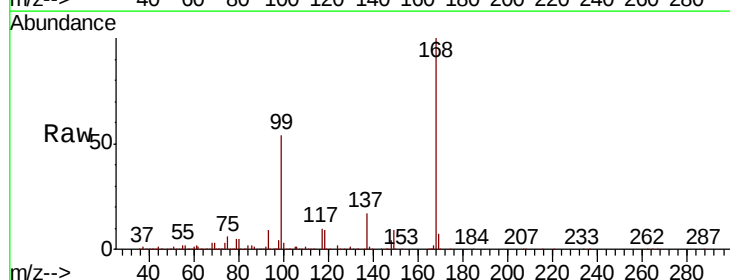
Tgt Ion: 117 Resp: 59469

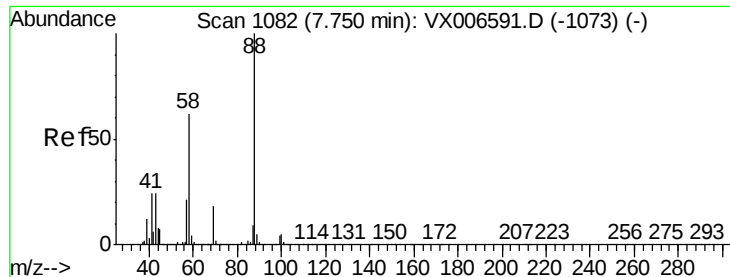
Ion Ratio Lower Upper

117 100

119 4.4 79.4 119.2#

121 0.0 24.0 36.0#

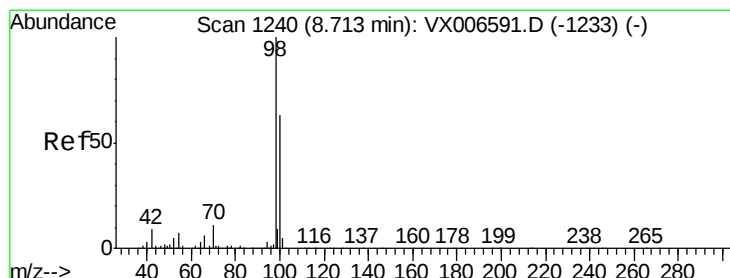
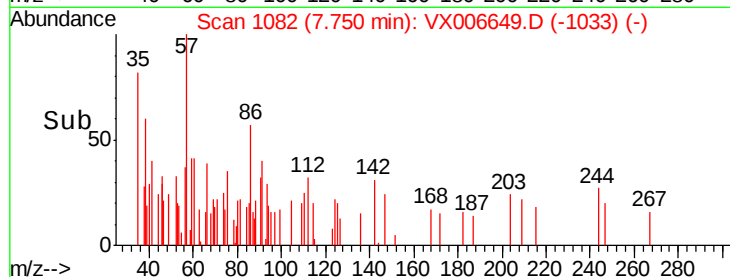
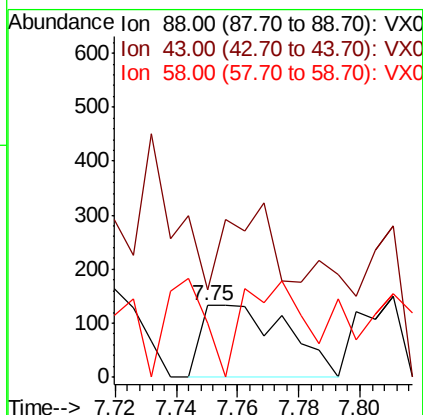
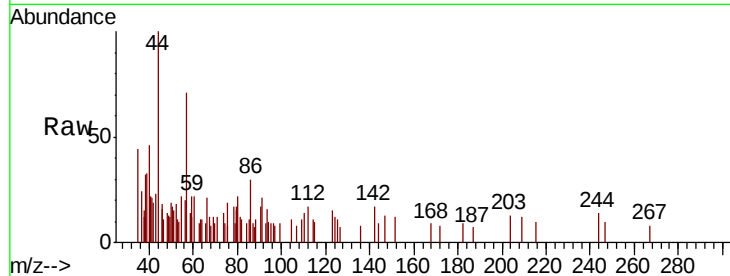




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006649.D
Acq: 19 Dec 2018 20:44

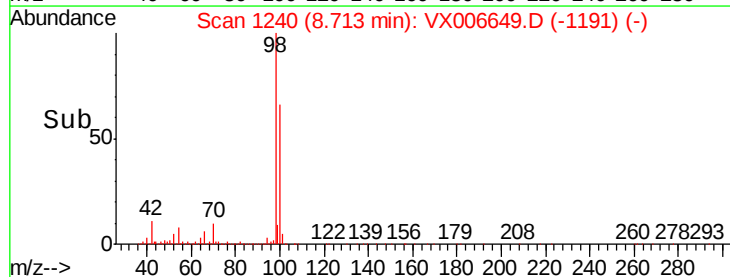
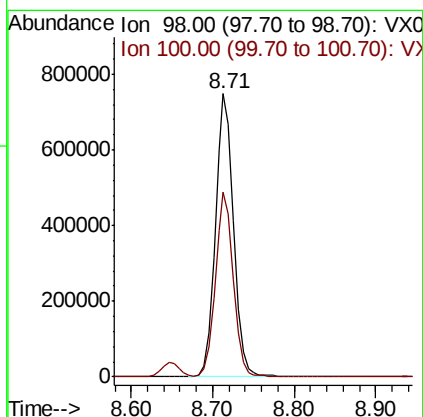
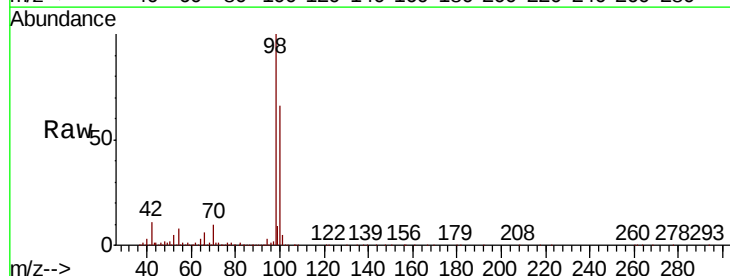
Instrument :
MSVOA_X
ClientSampleId :
GT103-AFTER-FILTERS

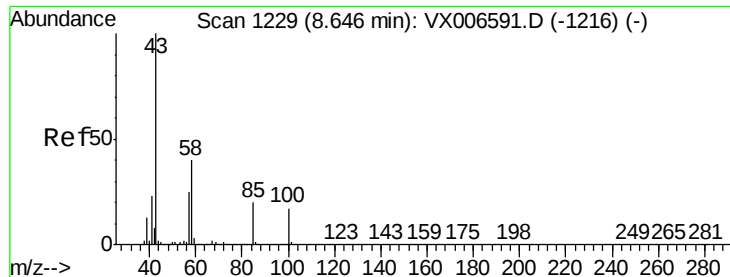
Tot Ion: 88 Resp: 255
Ion Ratio Lower Upper
88 100
43 135.7 22.2 33.4#
58 63.5 51.0 76.4



#50
Toluene-d8
Concen: 50.519 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006649.D
Acq: 19 Dec 2018 20:44

Tgt Ion: 98 Resp: 1172575
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0

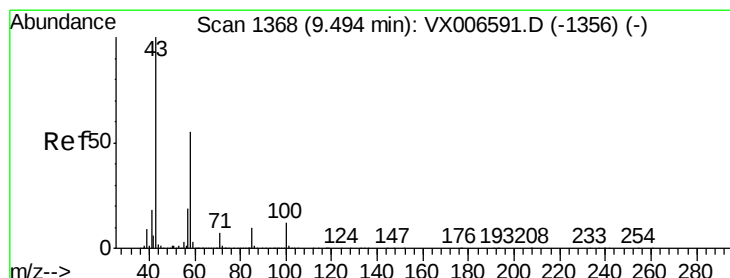
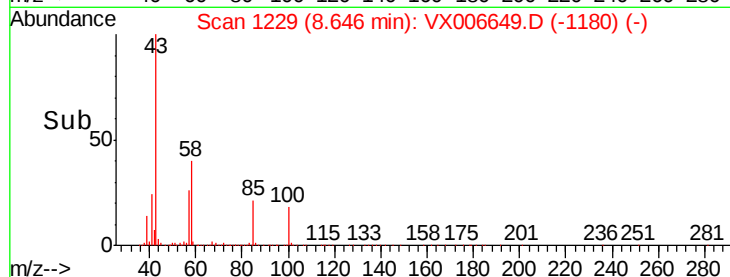
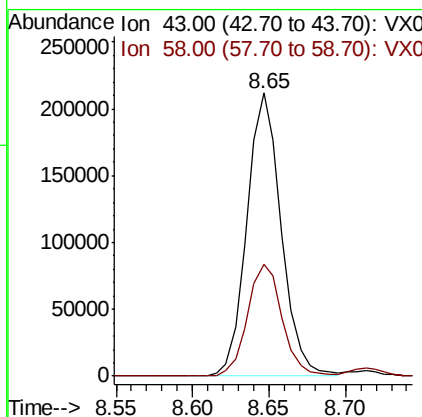
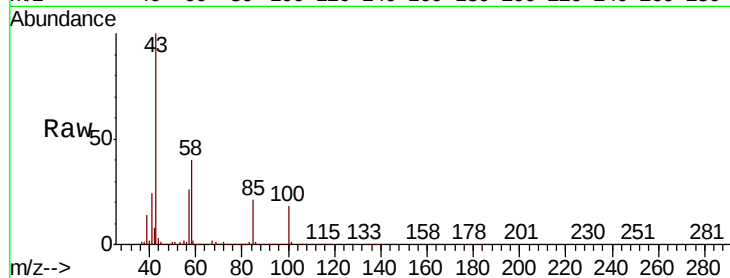




#51
 4-Methyl-2-Pentanone
 Concen: 40.546 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VX006649.D
 Acq: 19 Dec 2018 20:44

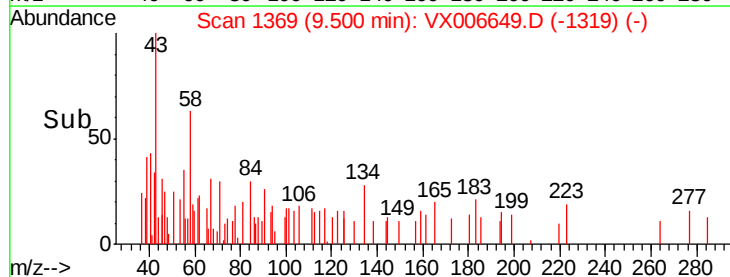
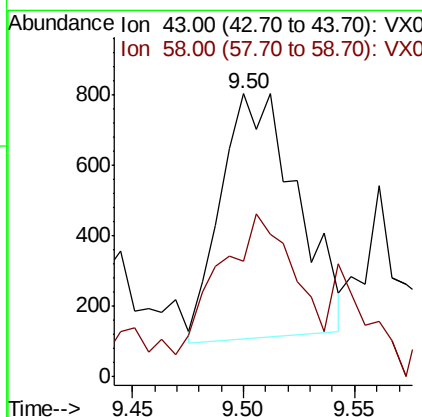
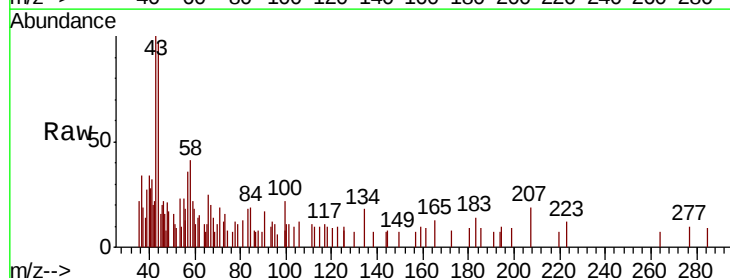
Instrument :
 MSVOA_X
 ClientSampleId :
 GT103-AFTER-FILTERS

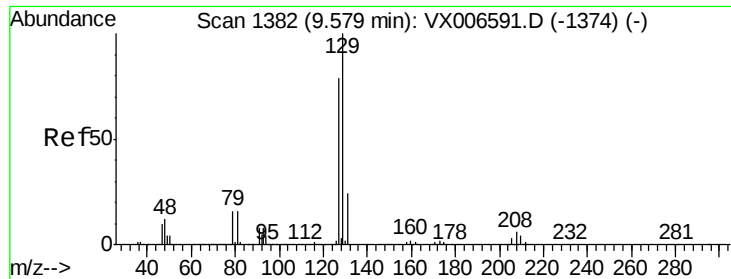
Tot Ion: 43 Resp: 329432
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.8 47.6



#59
 2-Hexanone
 Concen: 0.264 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VX006649.D
 Acq: 19 Dec 2018 20:44

Tgt Ion: 43 Resp: 1643
 Ion Ratio Lower Upper
 43 100
 58 56.0 27.7 83.1





#60

Dibromochloromethane

Concen: 2.333 ug/l

RT: 9.73 min Scan# 1406

Delta R.T. 0.15 min

Lab File: VX006649.D

Acq: 19 Dec 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

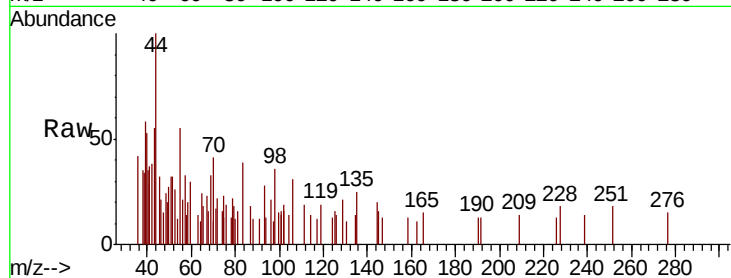
GT103-AFTER-FILTERS

Tot Ion:129 Resp: 60

Ion Ratio Lower Upper

129 100

127 40.0 39.3 117.8

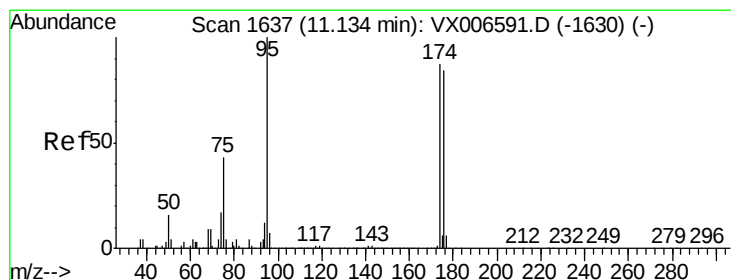
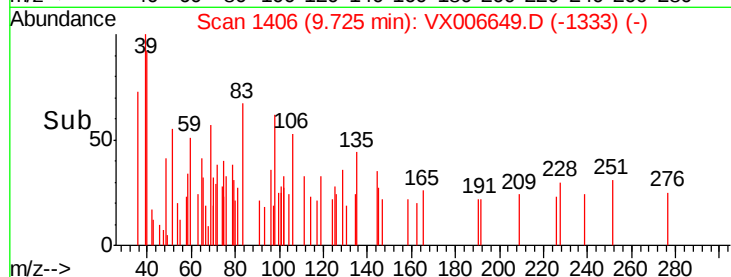


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.73

Time-->



#62

4-Bromofluorobenzene

Concen: 50.320 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006649.D

Acq: 19 Dec 2018 20:44

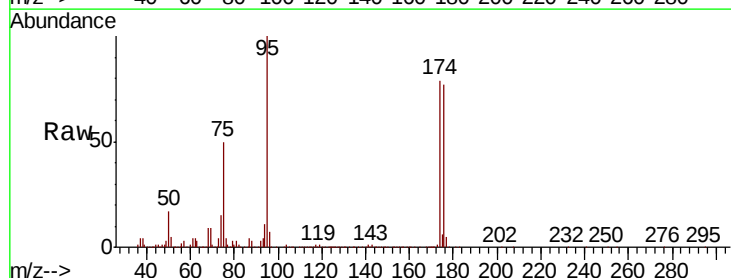
Tgt Ion: 95 Resp: 427755

Ion Ratio Lower Upper

95 100

174 84.4 0.0 182.2

176 82.6 0.0 178.8



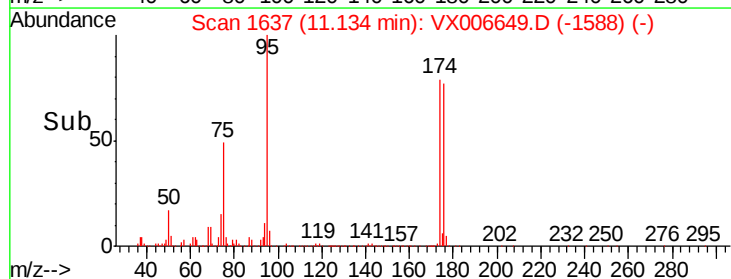
Abundance Ion 94.90 (94.60 to 95.60): VX0

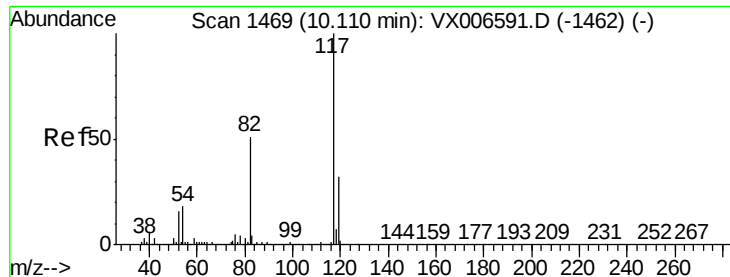
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

Time-->

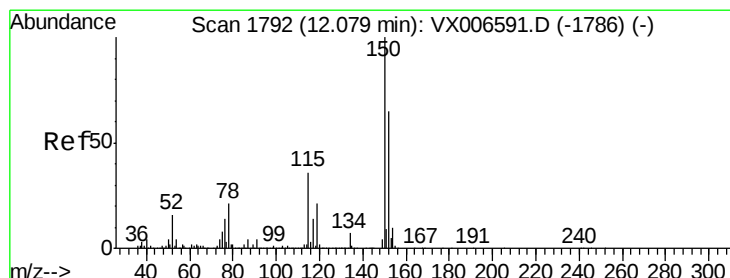
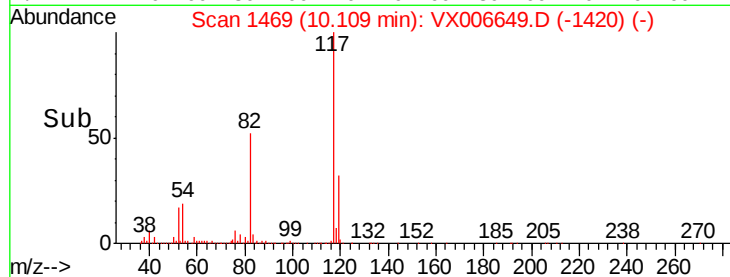
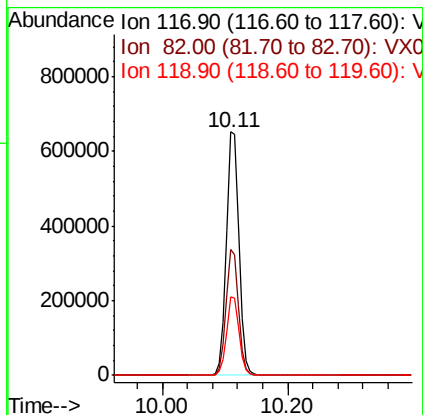
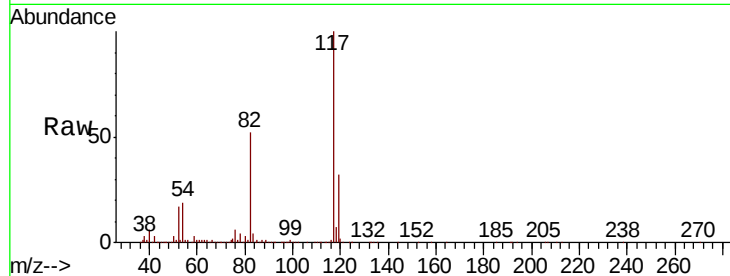




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006649.D
Acq: 19 Dec 2018 20:44

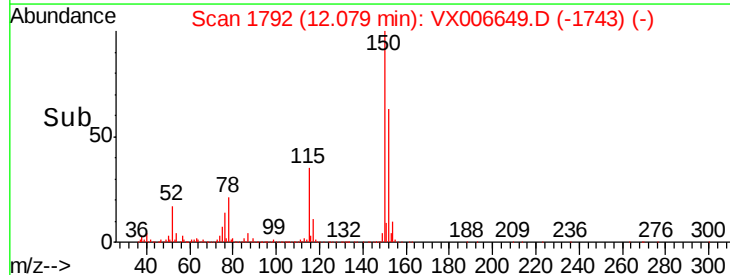
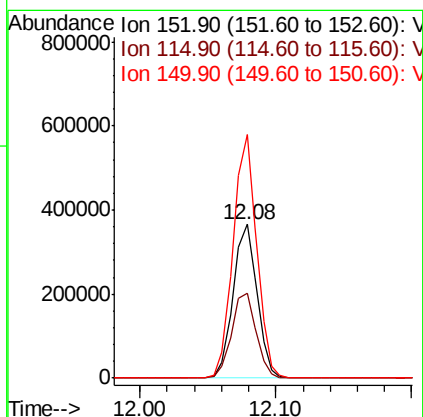
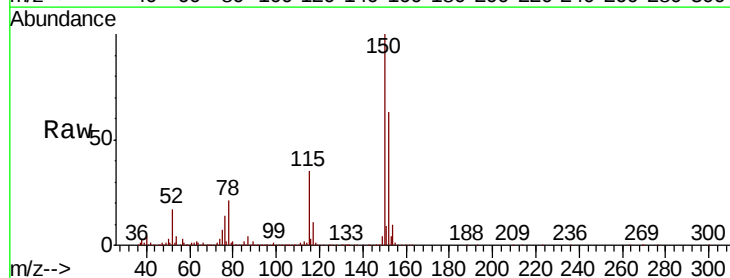
Instrument :
MSVOA_X
ClientSampleId :
GT103-AFTER-FILTERS

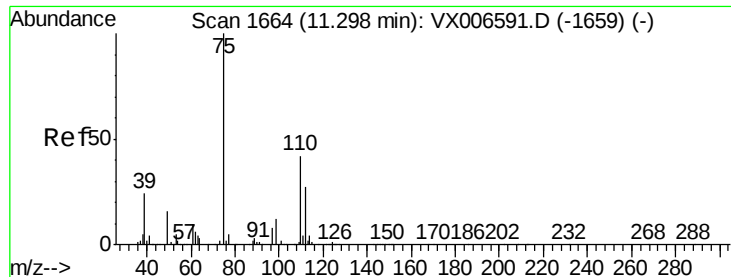
Tot Ion:117 Resp: 912946
Ion Ratio Lower Upper
117 100
82 51.8 41.0 61.6
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006649.D
Acq: 19 Dec 2018 20:44

Tgt Ion:152 Resp: 446993
Ion Ratio Lower Upper
152 100
115 56.4 39.1 117.2
150 155.9 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 24.426 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006649.D

Acq: 19 Dec 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

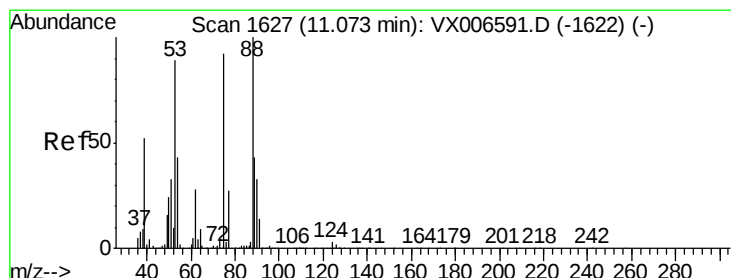
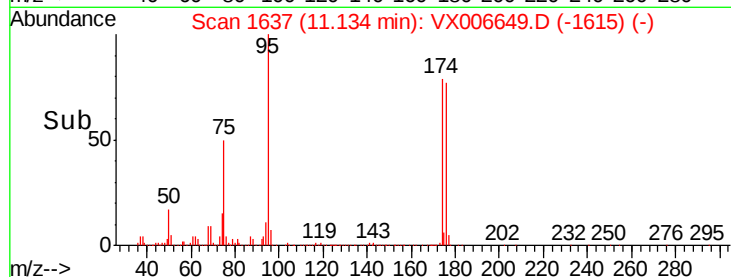
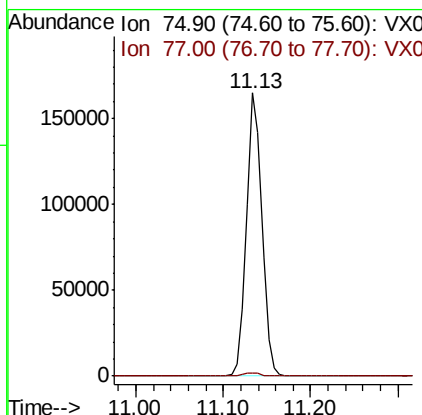
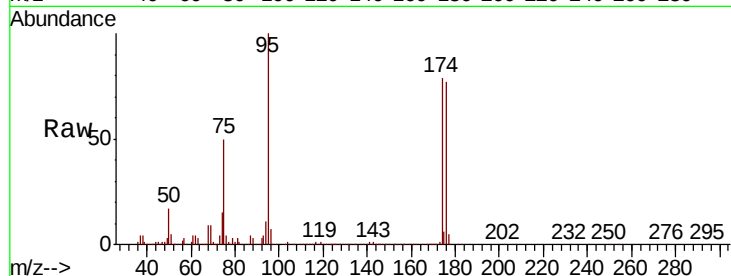
GT103-AFTER-FILTERS

Tot Ion: 75 Resp: 202903

Ion Ratio Lower Upper

75 100

77 1.4 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.274 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006649.D

Acq: 19 Dec 2018 20:44

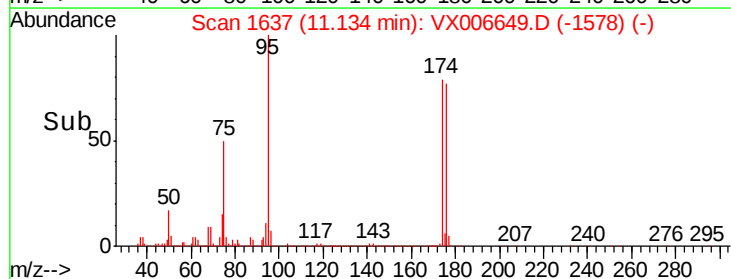
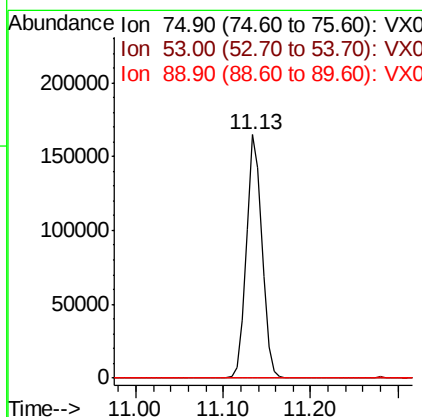
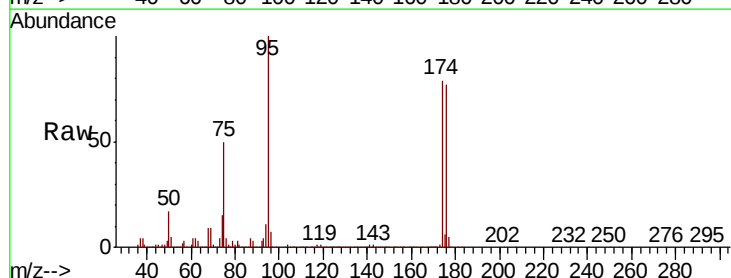
Tgt Ion: 75 Resp: 202903

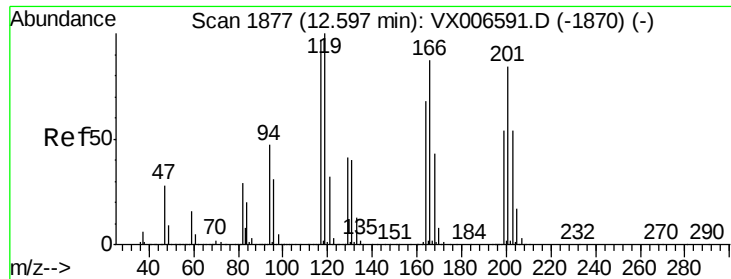
Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.1 38.0 57.0#





#90

Hexachloroethane

Concen: 3.363 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX006649.D

Acq: 19 Dec 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

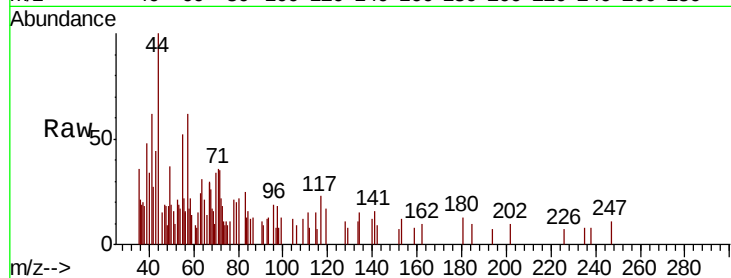
GT103-AFTER-FILTERS

Tot Ion:117 Resp: 319

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

