

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072019\
 Data File : VX010998.D
 Acq On : 19 Jul 2019 13:31
 Operator : JC/SP
 Sample : K3917-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Jul 20 01:00:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	222547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	355646	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	327337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152465	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	120164	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	5.50	113	109344	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	8.71	98	424272	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	11.13	95	148390	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	

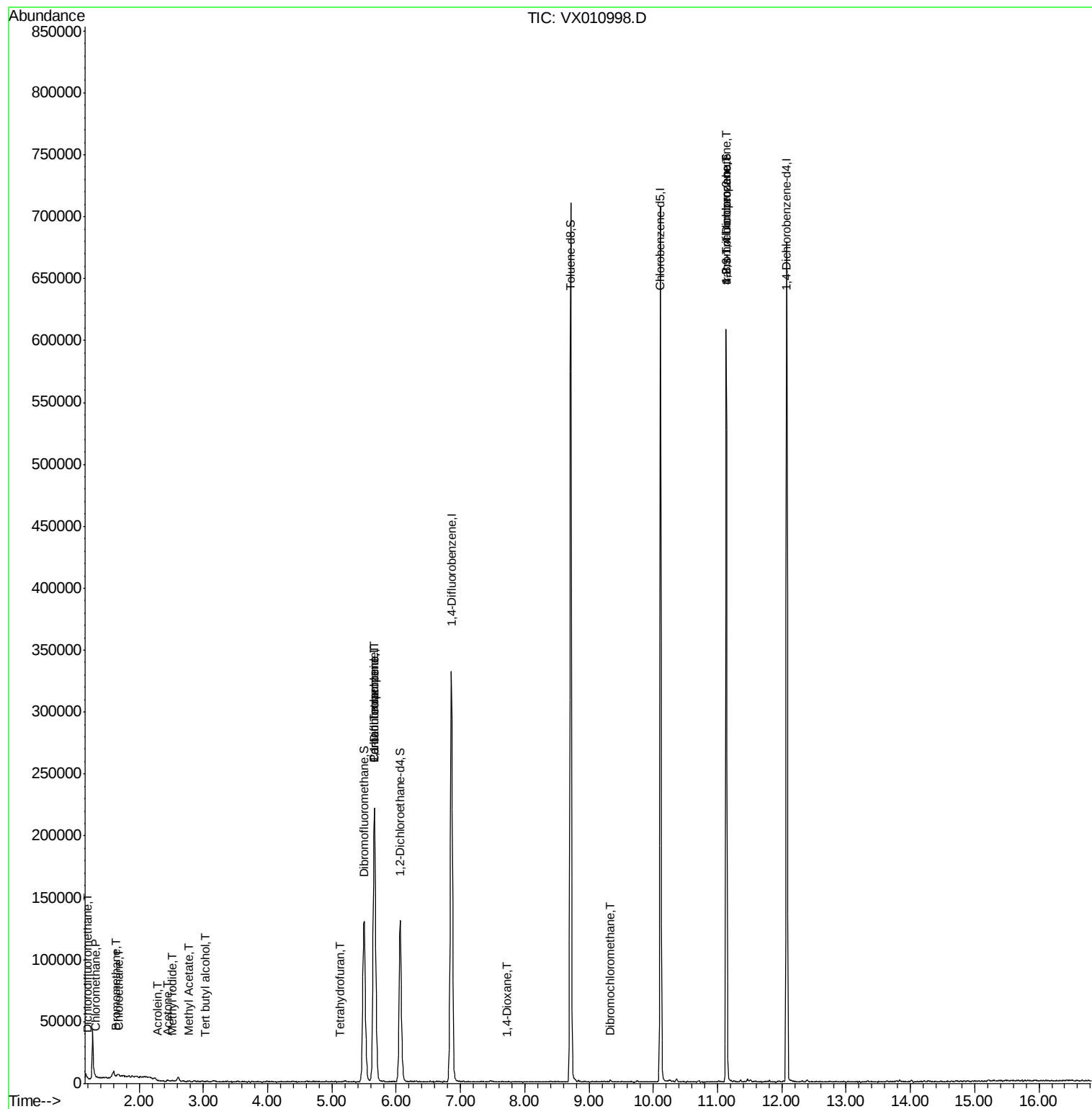
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	166	0.616	ug/l #	43
3) Chloromethane	1.32	50	571	0.279	ug/l	92
5) Bromomethane	1.65	94	802	0.682	ug/l	92
6) Chloroethane	1.69	64	782	0.589	ug/l	95
10) Methyl Iodide	2.52	142	957	0.361	ug/l	90
11) Tert butyl alcohol	3.03	59	183	0.332	ug/l #	10
13) Acrolein	2.29	56	193	0.606	ug/l #	74
16) Acetone	2.44	43	1219	1.140	ug/l	89
18) Methyl Acetate	2.78	43	632	0.260	ug/l #	80
29) Tetrahydrofuran	5.12	42	228	0.234	ug/l #	29
36) 1,1-Dichloropropene	5.65	75	14886	5.096	ug/l #	49
38) Carbon Tetrachloride	5.66	117	20383	6.696	ug/l #	18
49) 1,4-Dioxane	7.71	88	19	0.283	ug/l #	1
60) Dibromochloromethane	9.34	129	108	2.565	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	73736	26.800	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	73736	66.475	ug/l #	11

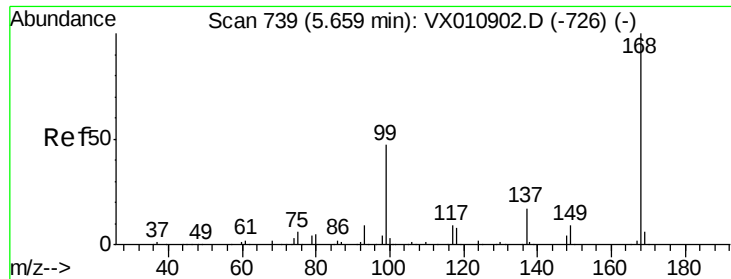
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 17 06:57:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX010998.D

Acq: 19 Jul 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

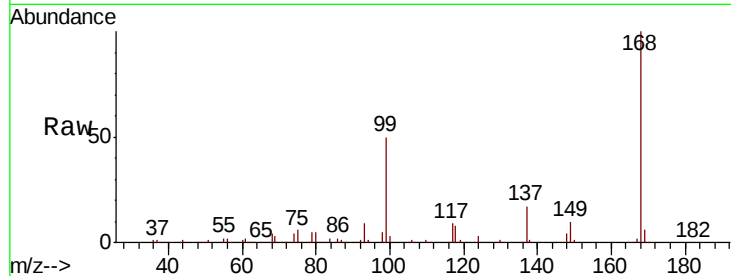
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 222547

Ion Ratio Lower Upper

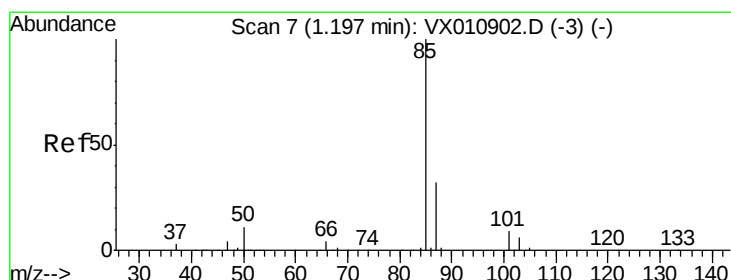
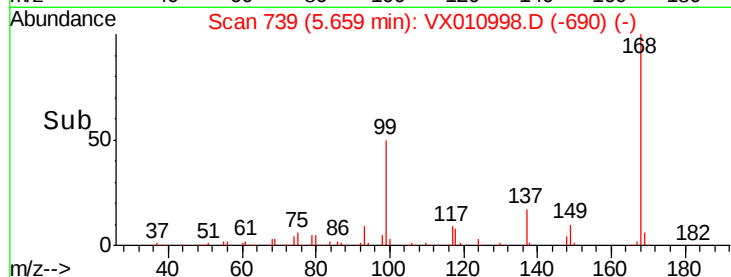
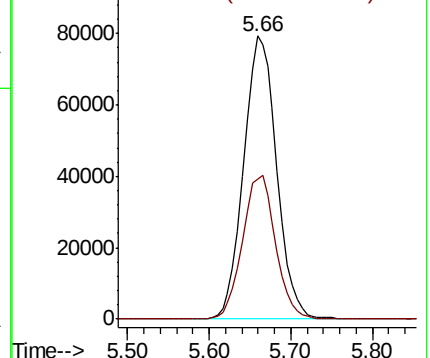
168 100

99 49.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.616 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010998.D

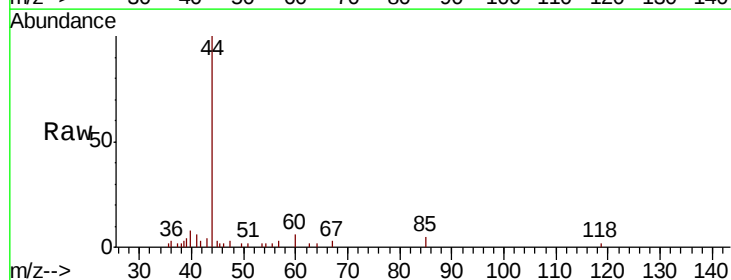
Acq: 19 Jul 2019 13:31

Tgt Ion: 85 Resp: 166

Ion Ratio Lower Upper

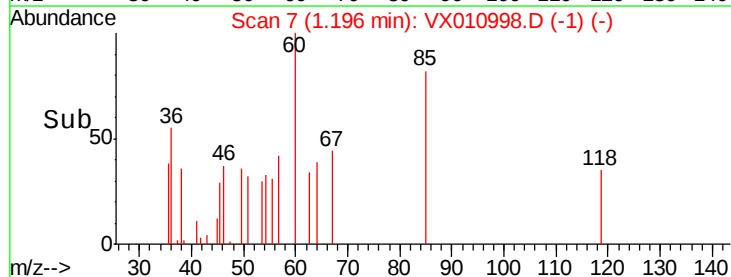
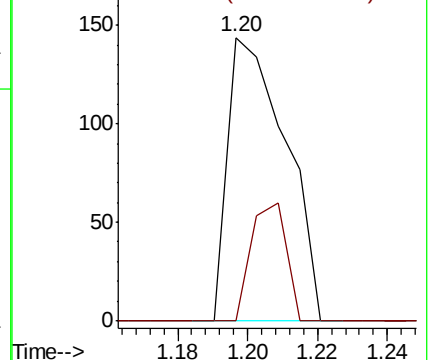
85 100

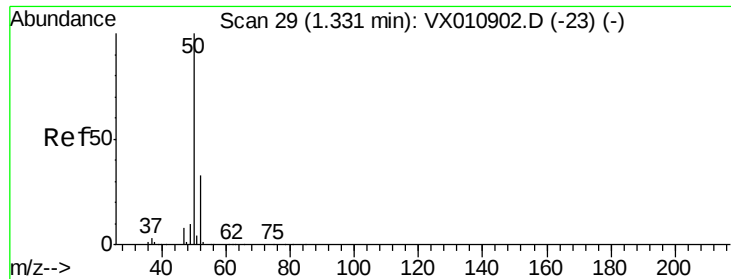
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.279 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010998.D

Acq: 19 Jul 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

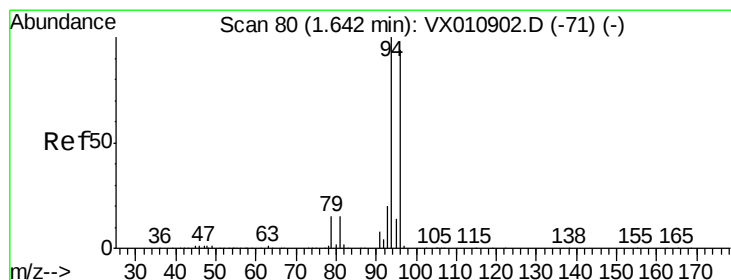
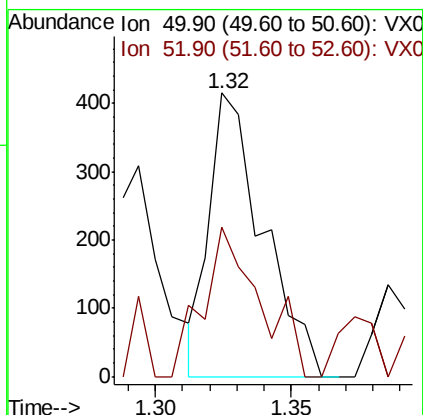
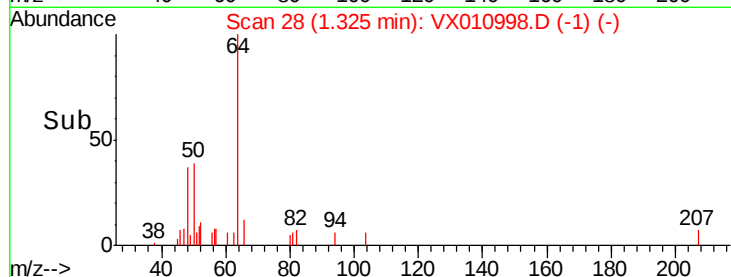
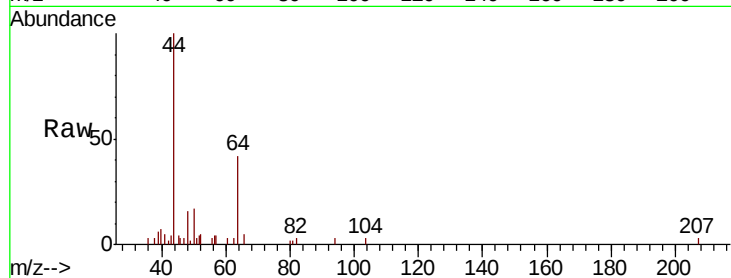
STORAGE-BLANK-WATER-REF-5

Tot Ion: 50 Resp: 571

Ion Ratio Lower Upper

50 100

52 37.3 26.4 39.6



#5

Bromomethane

Concen: 0.682 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010998.D

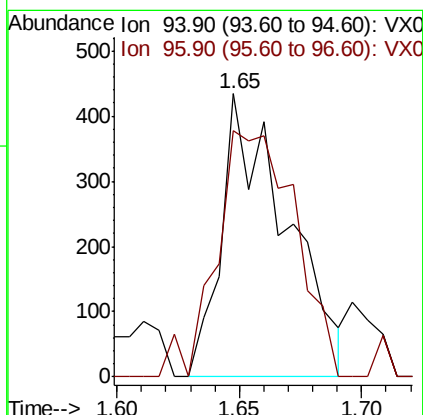
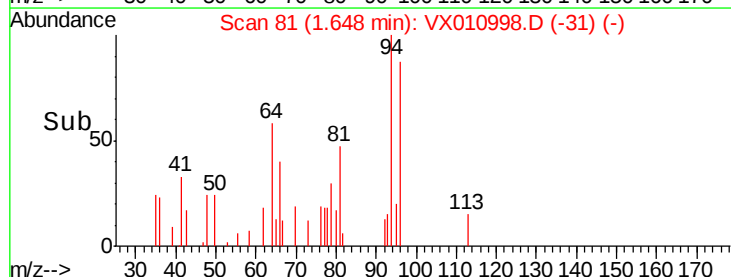
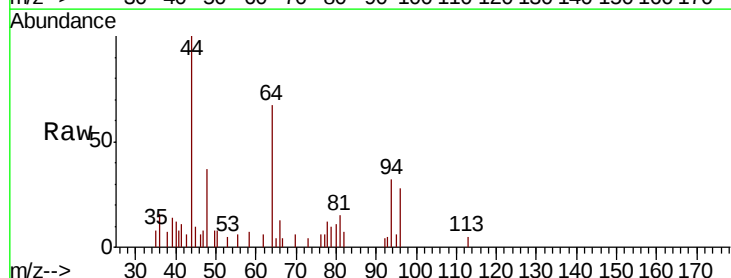
Acq: 19 Jul 2019 13:31

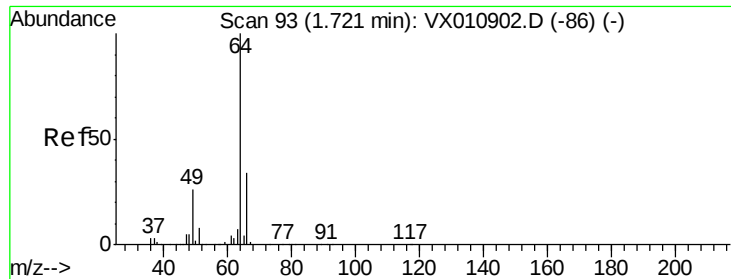
Tgt Ion: 94 Resp: 802

Ion Ratio Lower Upper

94 100

96 87.1 75.6 113.4





#6

Chloroethane

Concen: 0.589 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.03 min

Lab File: VX010998.D

Acq: 19 Jul 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

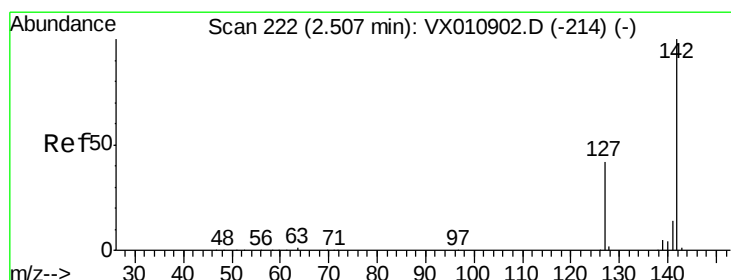
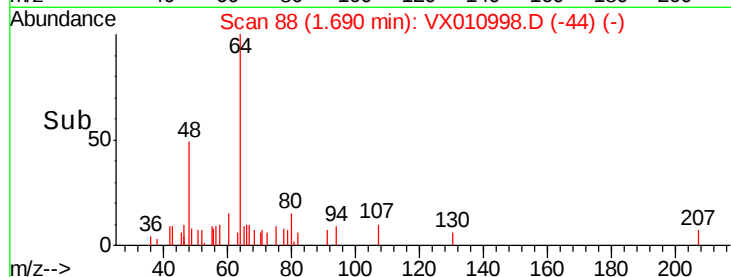
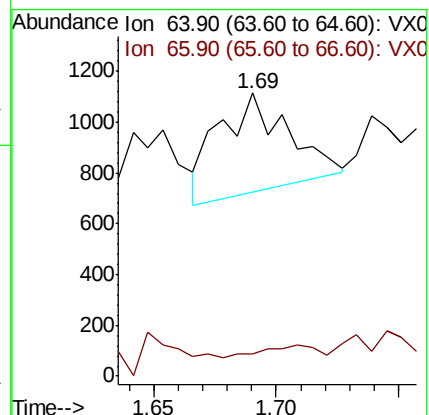
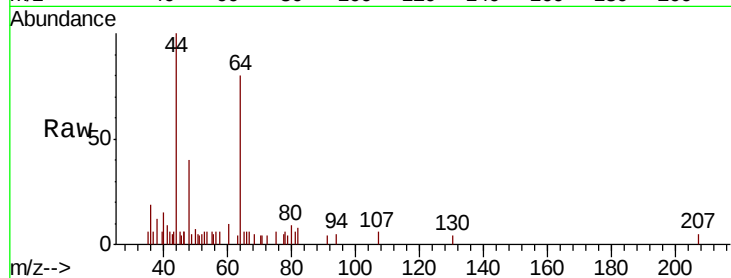
STORAGE-BLANK-WATER-REF-5

Tot Ion: 64 Resp: 782

Ion Ratio Lower Upper

64 100

66 30.7 27.0 40.6



#10

Methyl Iodide

Concen: 0.361 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010998.D

Acq: 19 Jul 2019 13:31

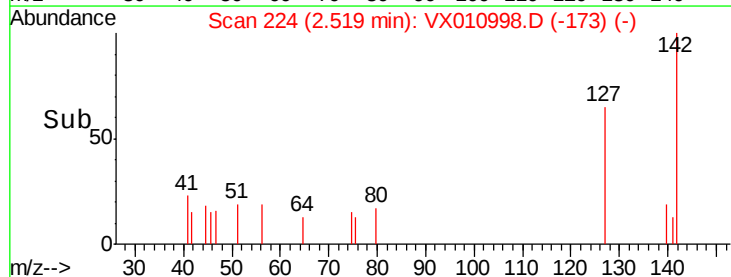
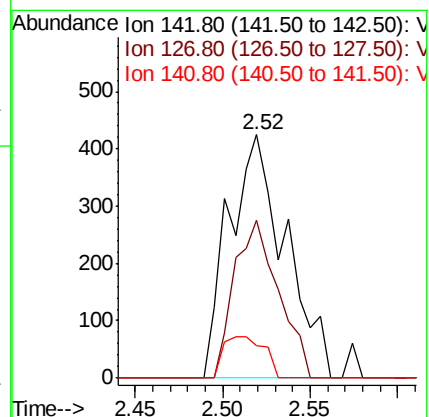
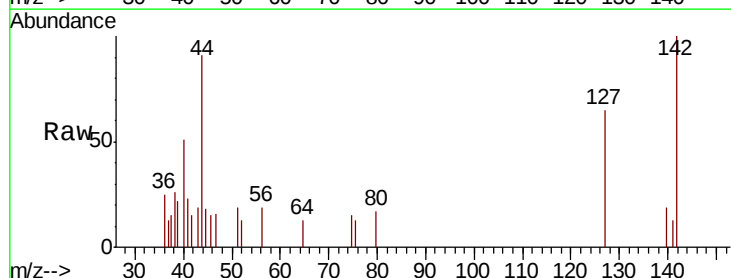
Tgt Ion: 142 Resp: 957

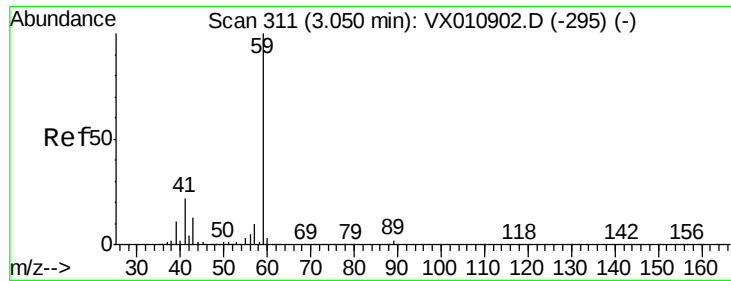
Ion Ratio Lower Upper

142 100

127 50.5 34.2 51.4

141 12.2 11.7 17.5



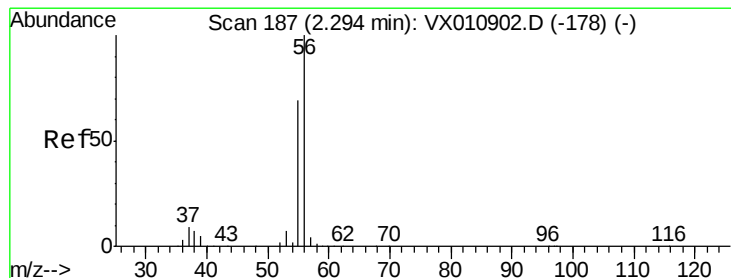
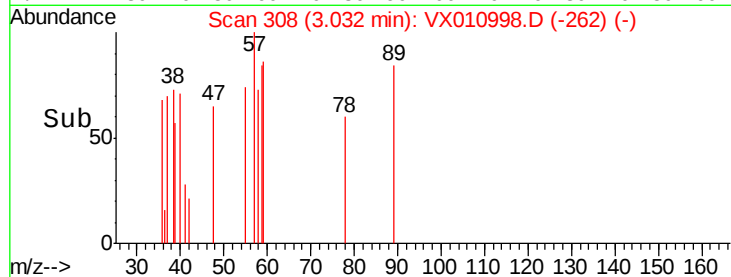
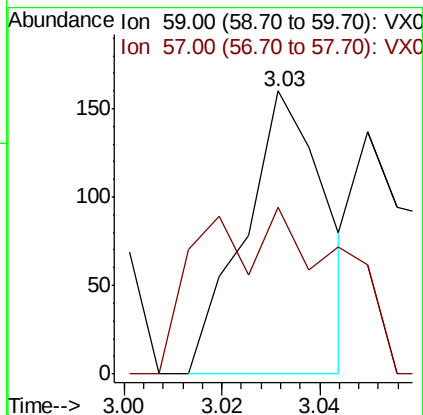
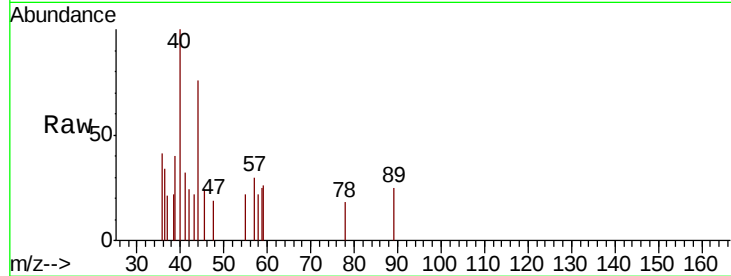


#11

Tert butyl alcohol
 Concen: 0.332 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.02 min
 Lab File: VX010998.D
 Acq: 19 Jul 2019 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

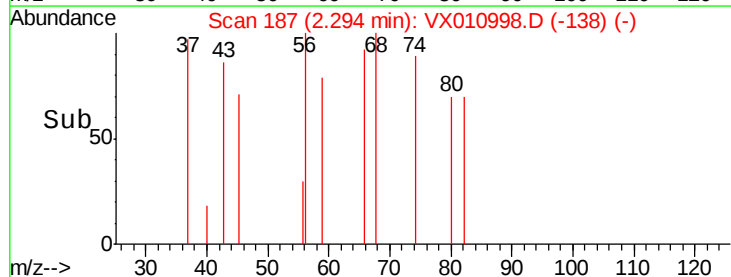
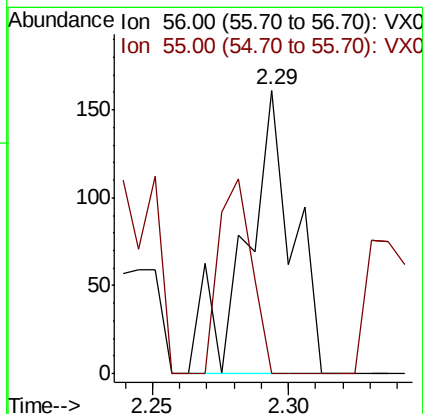
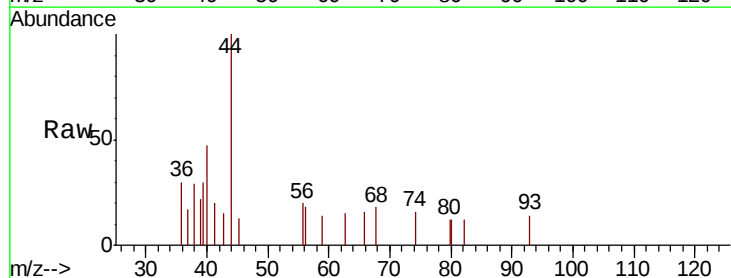
Tot Ion: 59 Resp: 183
 Ion Ratio Lower Upper
 59 100
 57 43.2 7.9 11.9#

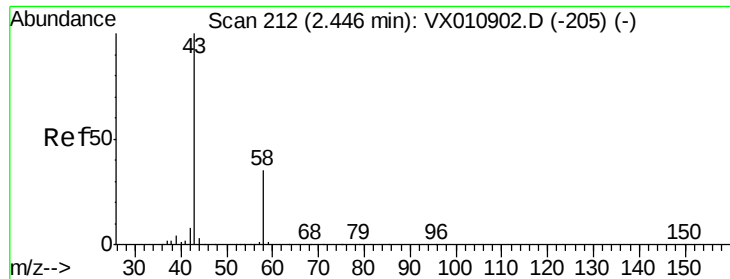


#13

Acrolein
 Concen: 0.606 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX010998.D
 Acq: 19 Jul 2019 13:31

Tgt Ion: 56 Resp: 193
 Ion Ratio Lower Upper
 56 100
 55 48.7 55.9 83.9#





#16

Acetone

Concen: 1.140 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010998.D

Acq: 19 Jul 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

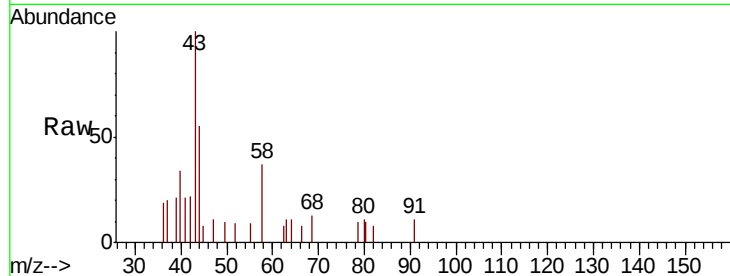
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 1219

Ion Ratio Lower Upper

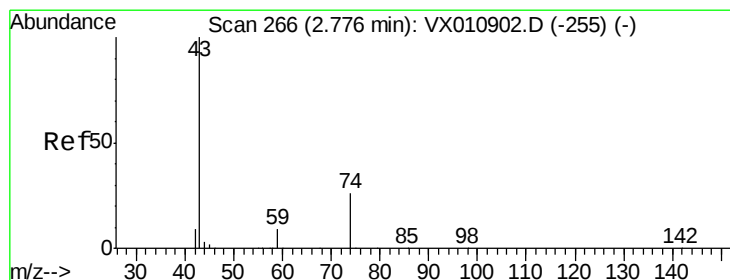
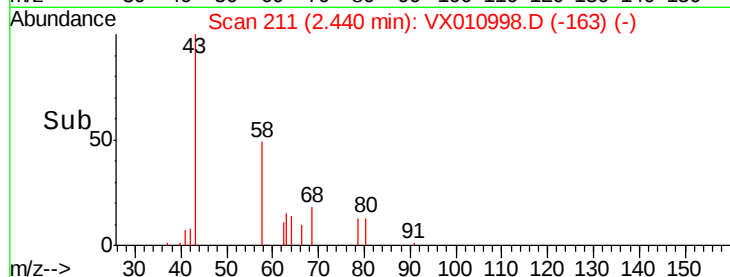
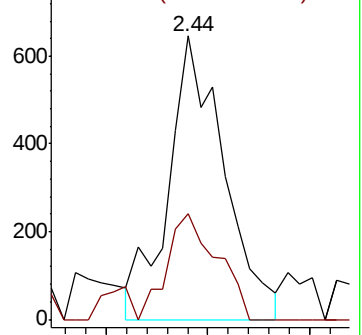
43 100

58 41.1 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.260 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010998.D

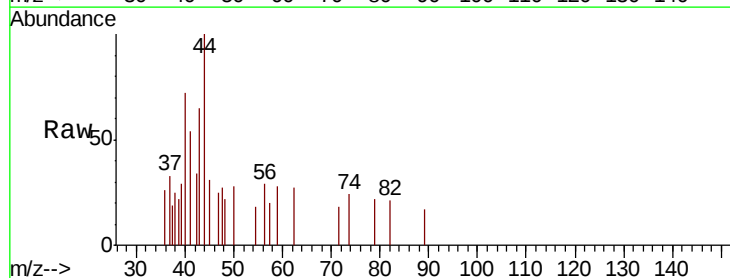
Acq: 19 Jul 2019 13:31

Tgt Ion: 43 Resp: 632

Ion Ratio Lower Upper

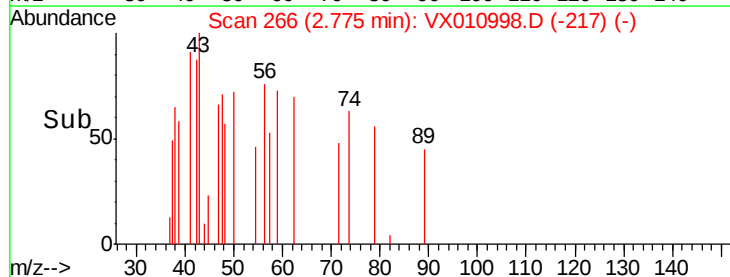
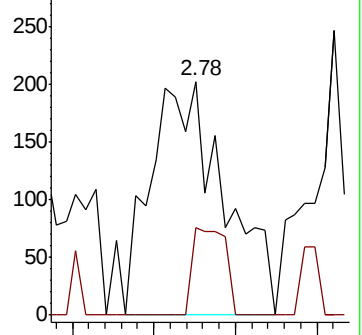
43 100

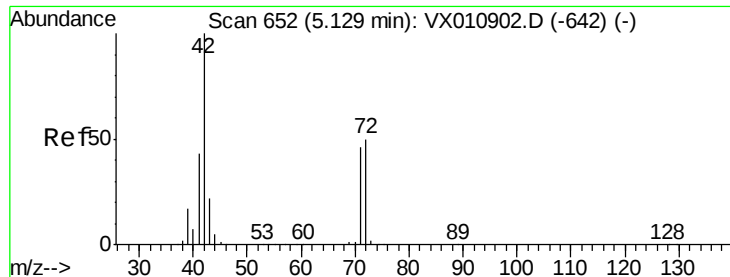
74 16.6 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#29

Tetrahydrofuran

Concen: 0.234 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX010998.D

Acq: 19 Jul 2019 13:31

Instrument :

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ClientSampleId :

STORAGE-BLANK-WATER-REF-5

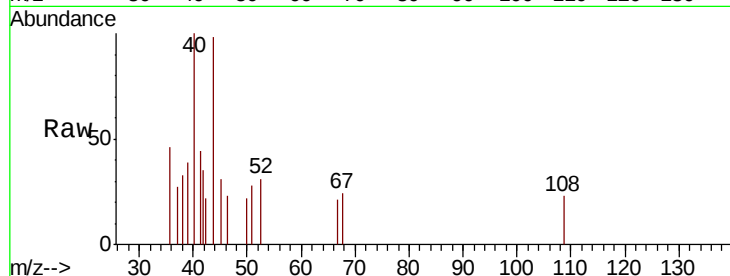
Tot Ion: 42 Resp: 228

Ion Ratio Lower Upper

42 100

72 0.0 39.8 59.8#

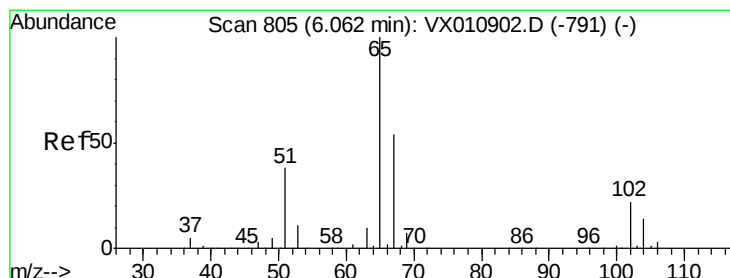
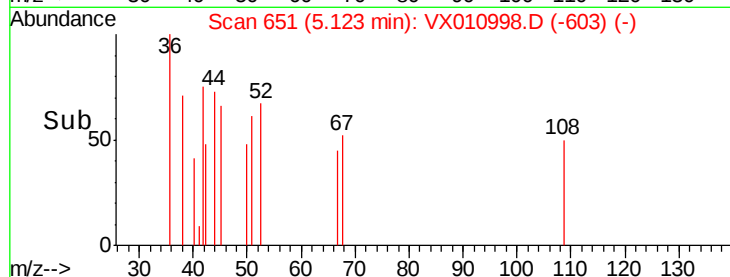
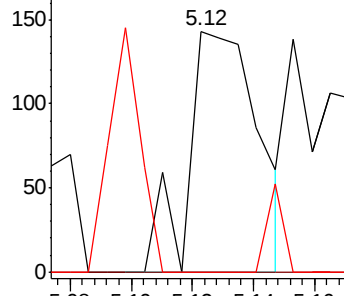
71 0.0 37.0 55.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.754 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010998.D

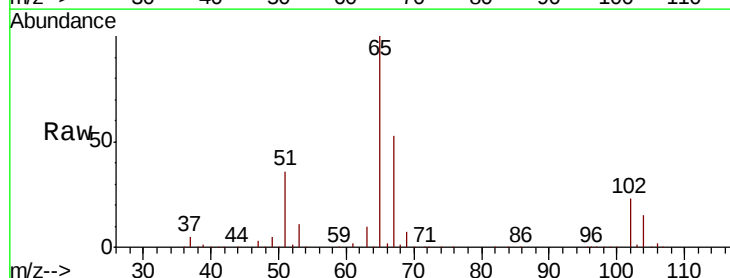
Acq: 19 Jul 2019 13:31

Tgt Ion: 65 Resp: 120164

Ion Ratio Lower Upper

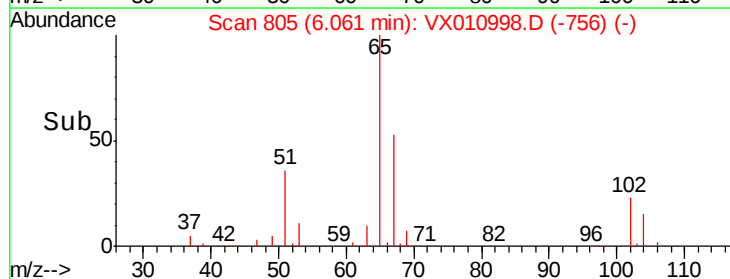
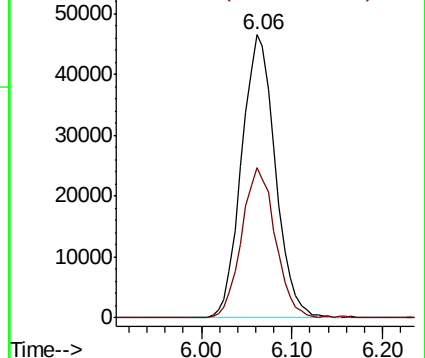
65 100

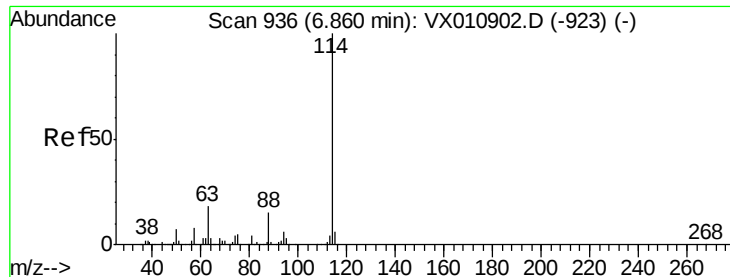
67 52.8 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010998.D

Acq: 19 Jul 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

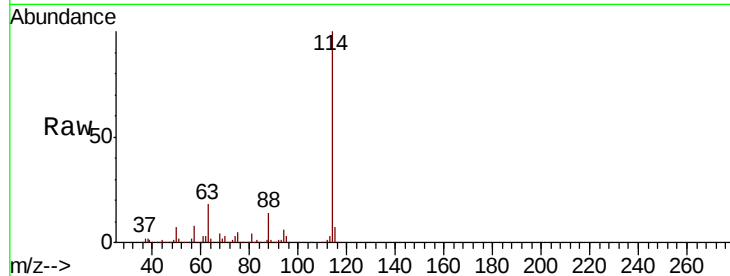
Tot Ion:114 Resp: 355646

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

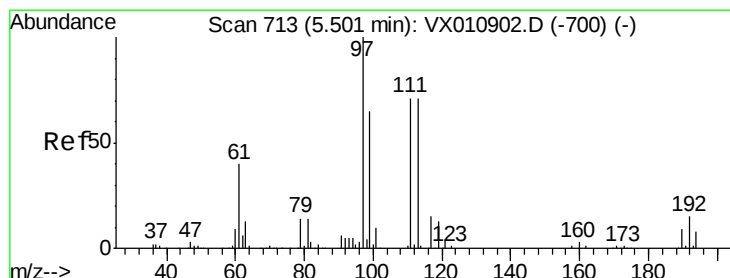
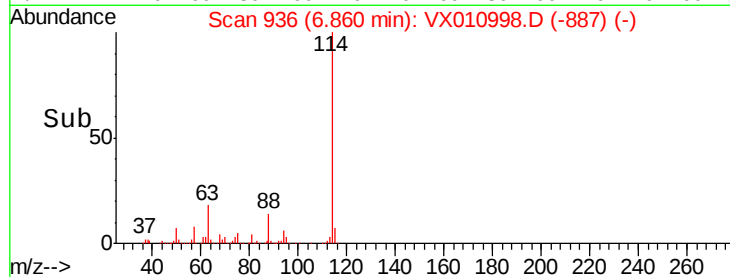
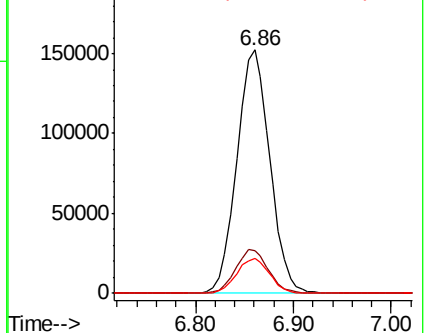
88 14.3 0.0 29.8



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: 48.439 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010998.D

Acq: 19 Jul 2019 13:31

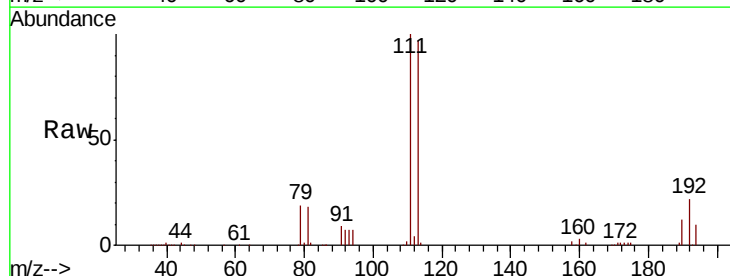
Tgt Ion:113 Resp: 109344

Ion Ratio Lower Upper

113 100

111 101.9 82.3 123.5

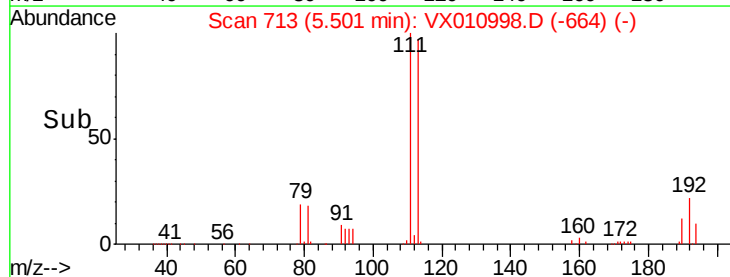
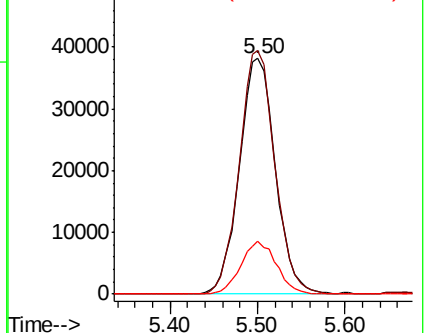
192 22.1 17.4 26.2

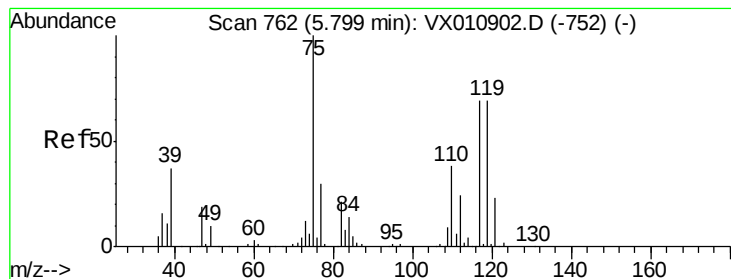


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.096 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010998.D

Acq: 19 Jul 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

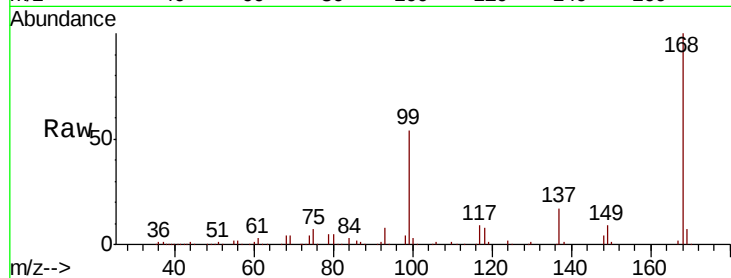
Tot Ion: 75 Resp: 14886

Ion Ratio Lower Upper

75 100

110 11.3 19.9 59.7#

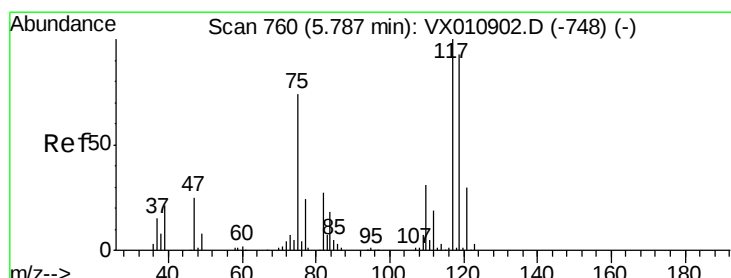
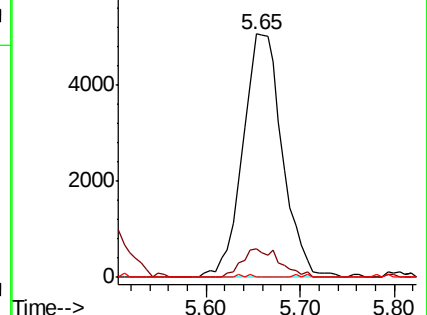
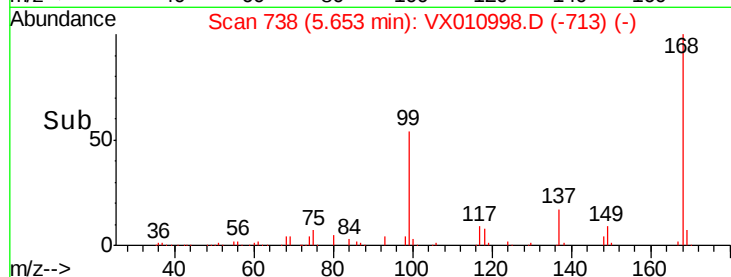
77 0.3 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.696 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010998.D

Acq: 19 Jul 2019 13:31

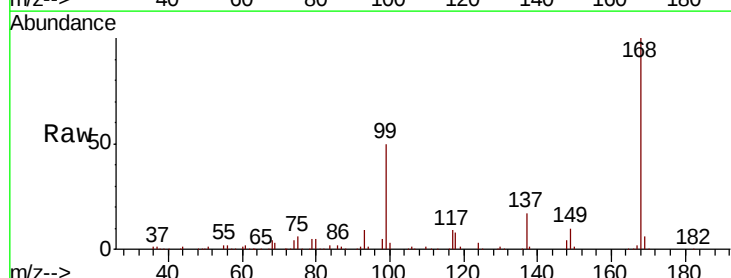
Tgt Ion: 117 Resp: 20383

Ion Ratio Lower Upper

117 100

119 5.8 74.2 111.2#

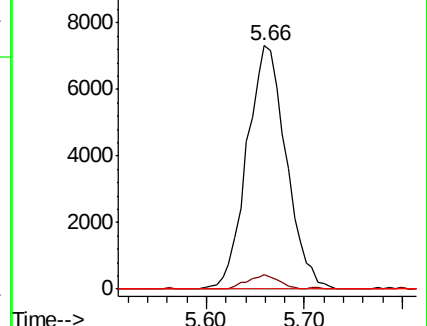
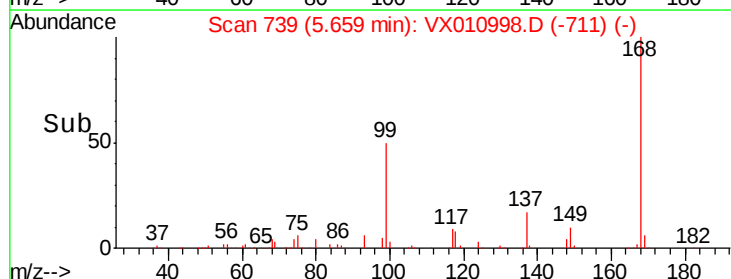
121 0.0 24.2 36.2#

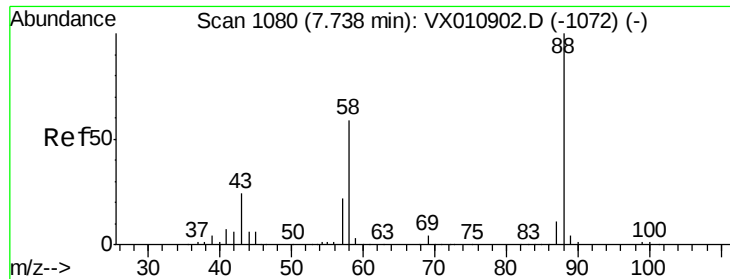


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

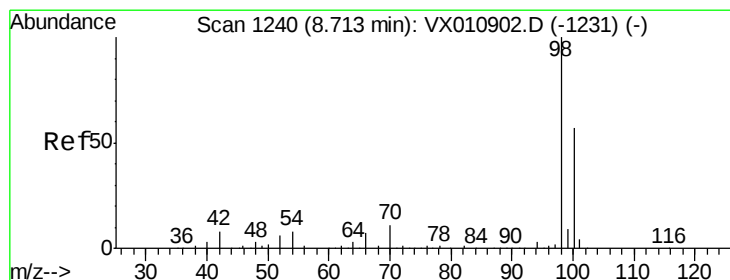
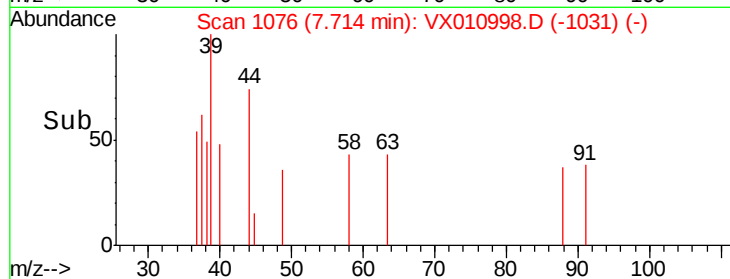
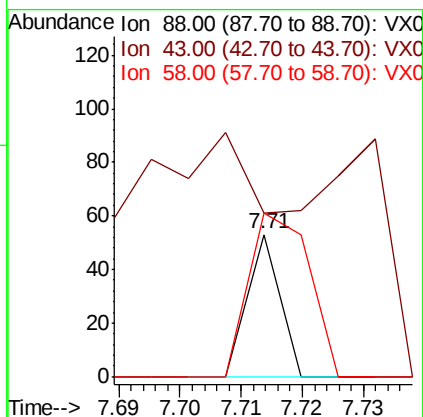
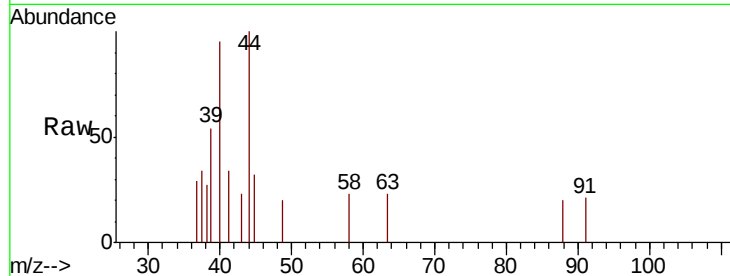




#49
1,4-Dioxane
Concen: 0.283 ug/l
RT: 7.71 min Scan# 1076
Delta R.T. -0.02 min
Lab File: VX010998.D
Acq: 19 Jul 2019 13:31

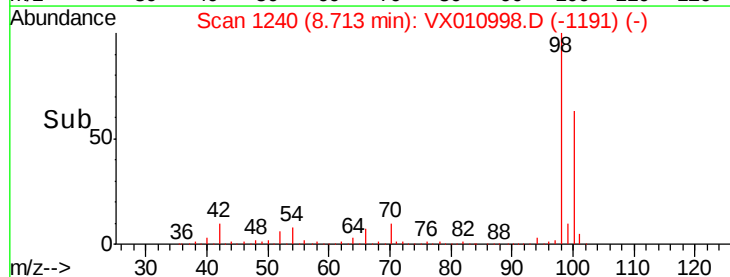
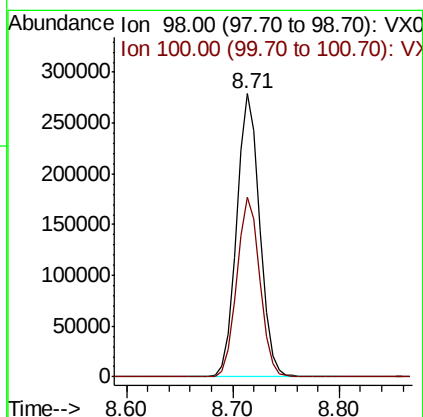
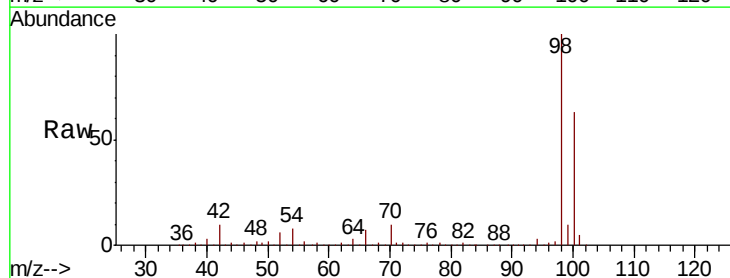
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

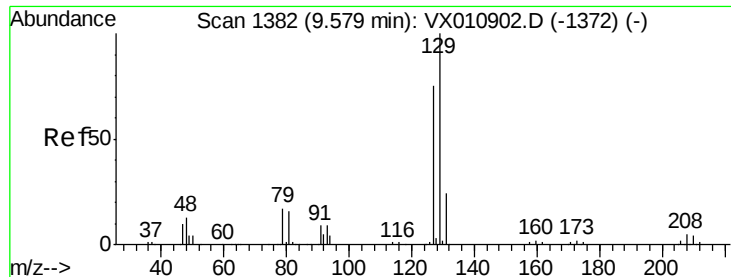
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 22.9 34.3#
58 221.1 49.8 74.8#



#50
Toluene-d8
Concen: 50.112 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010998.D
Acq: 19 Jul 2019 13:31

Tgt Ion: 98 Resp: 424272
Ion Ratio Lower Upper
98 100
100 63.4 50.6 75.8

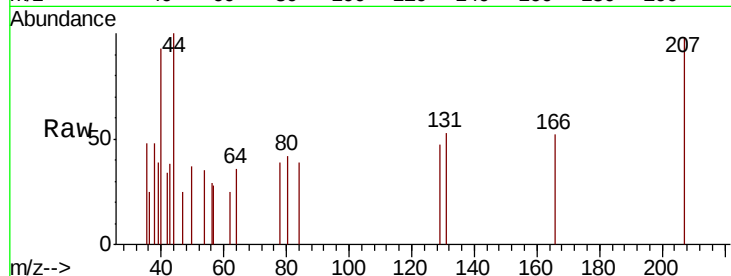




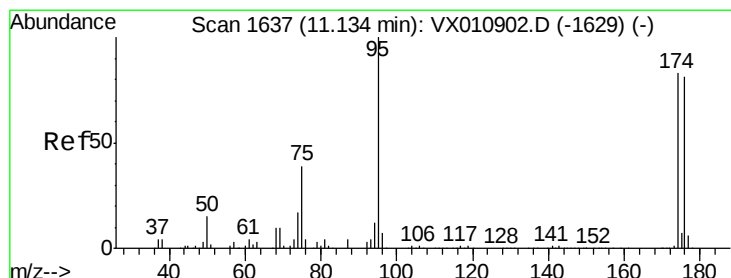
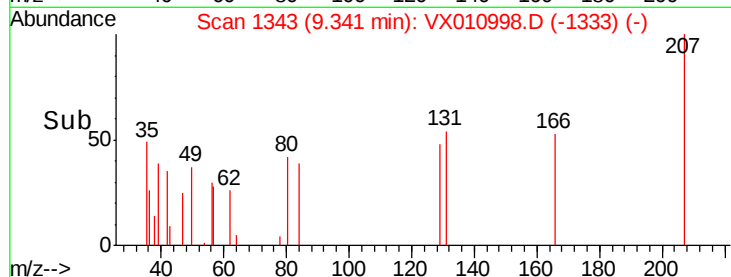
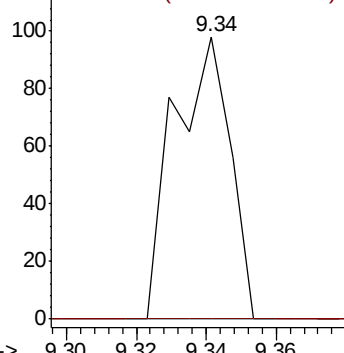
#60
Dibromochloromethane
Concen: 2.565 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. -0.24 min
Lab File: VX010998.D
Acq: 19 Jul 2019 13:31

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tot Ion:129 Resp: 108
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

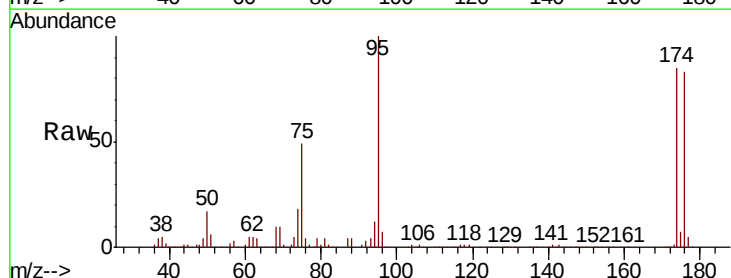


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

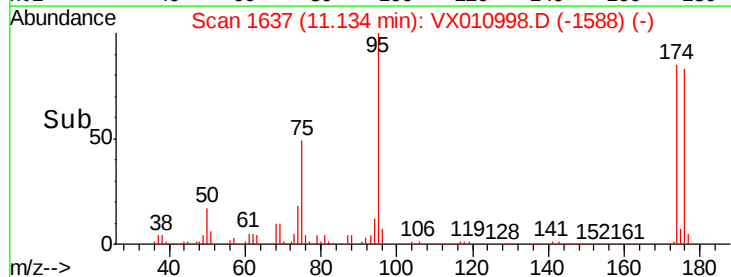
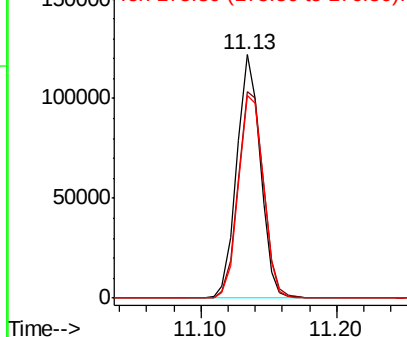


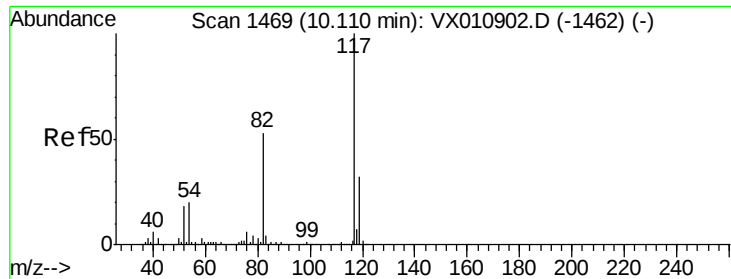
#62
4-Bromofluorobenzene
Concen: 47.682 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010998.D
Acq: 19 Jul 2019 13:31

Tgt Ion: 95 Resp: 148390
Ion Ratio Lower Upper
95 100
174 90.7 0.0 180.6
176 88.3 0.0 173.8



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

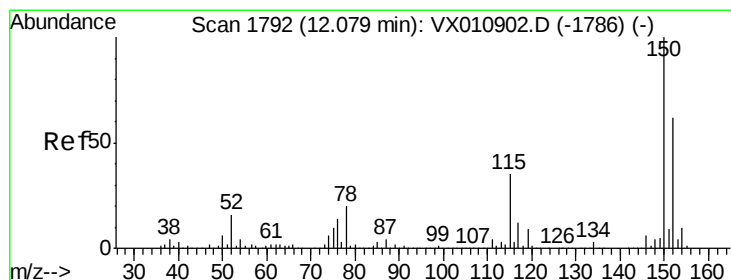
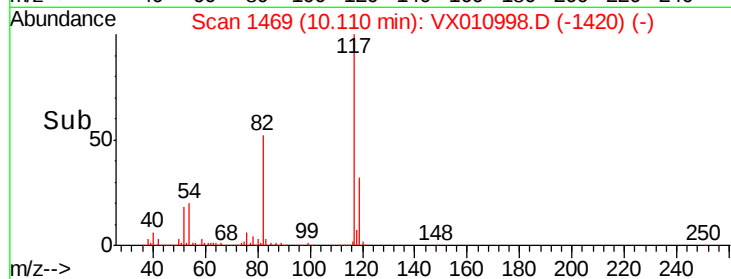
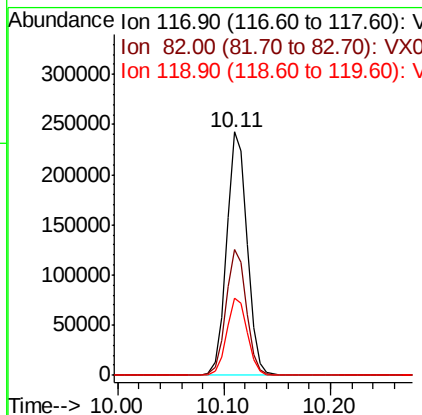
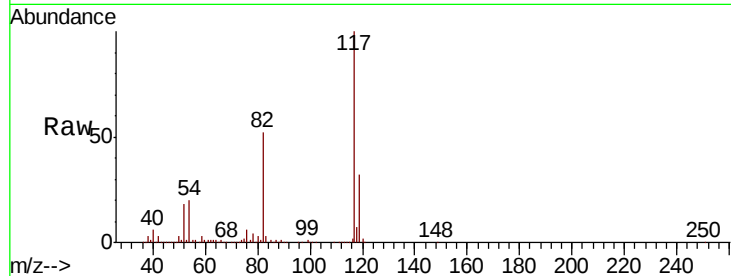




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010998.D
Acq: 19 Jul 2019 13:31

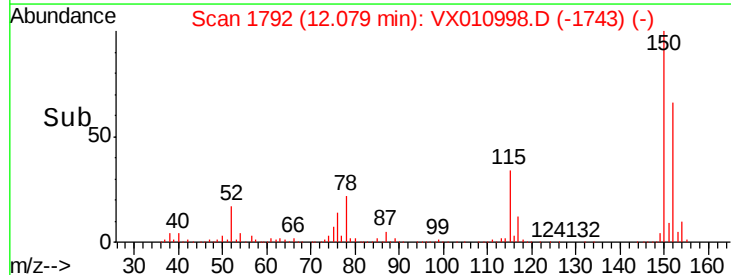
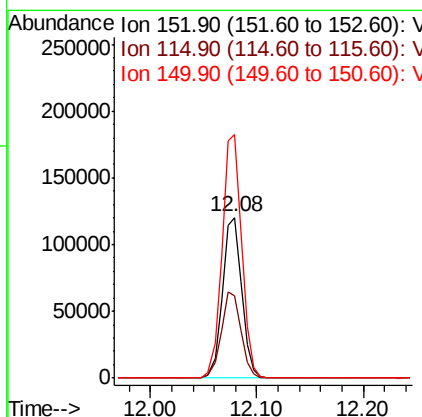
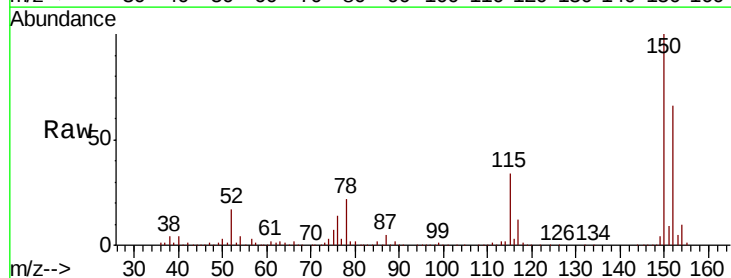
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

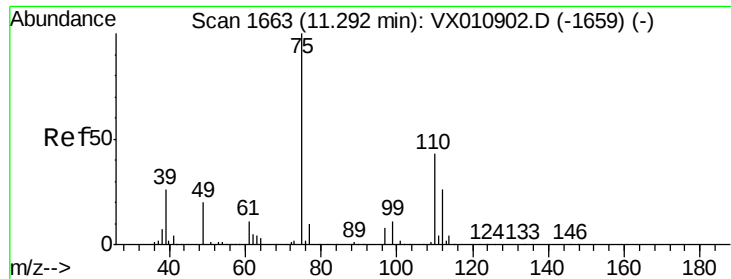
Tot Ion:117 Resp: 327337
Ion Ratio Lower Upper
117 100
82 51.8 42.6 63.8
119 31.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010998.D
Acq: 19 Jul 2019 13:31

Tgt Ion:152 Resp: 152465
Ion Ratio Lower Upper
152 100
115 54.7 39.7 119.1
150 153.9 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 26.800 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010998.D

Acq: 19 Jul 2019 13:31

Instrument :

MSVOA_X

ClientSampleId :

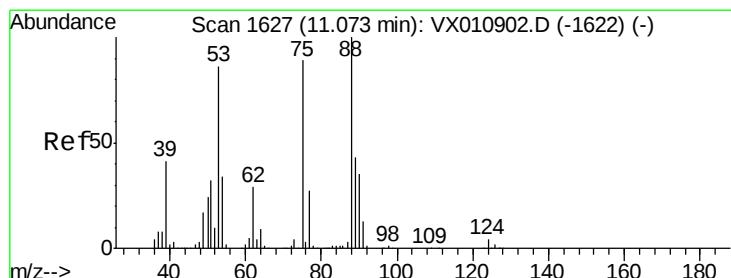
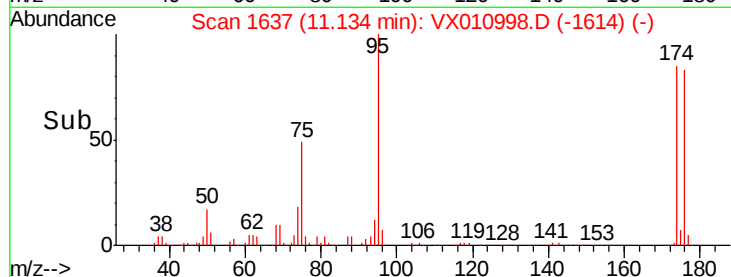
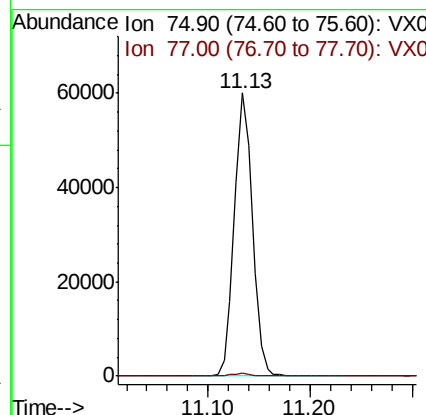
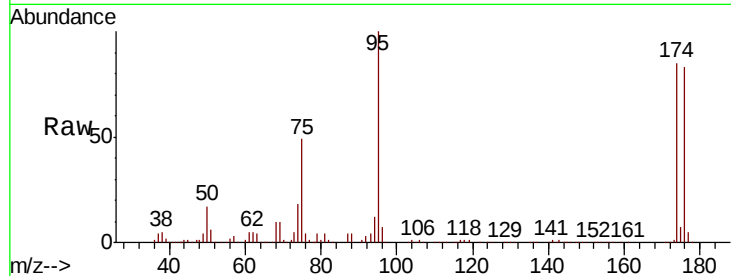
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 73736

Ion Ratio Lower Upper

75 100

77 1.2 21.3 64.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.475 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010998.D

Acq: 19 Jul 2019 13:31

Tgt Ion: 75 Resp: 73736

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.0 38.5 57.7#

