

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
 Data File : VX011591.D
 Acq On : 16 Aug 2019 19:09
 Operator : JC/SP
 Sample : K4397-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Aug 19 01:12:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	480408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	661159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	586965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	299954	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	224177	50.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.64%	
35) Dibromofluoromethane	5.49	113	193139	44.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.32%	
50) Toluene-d8	8.71	98	749231	55.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.20%	
62) 4-Bromofluorobenzene	11.13	95	267633	47.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.12%	

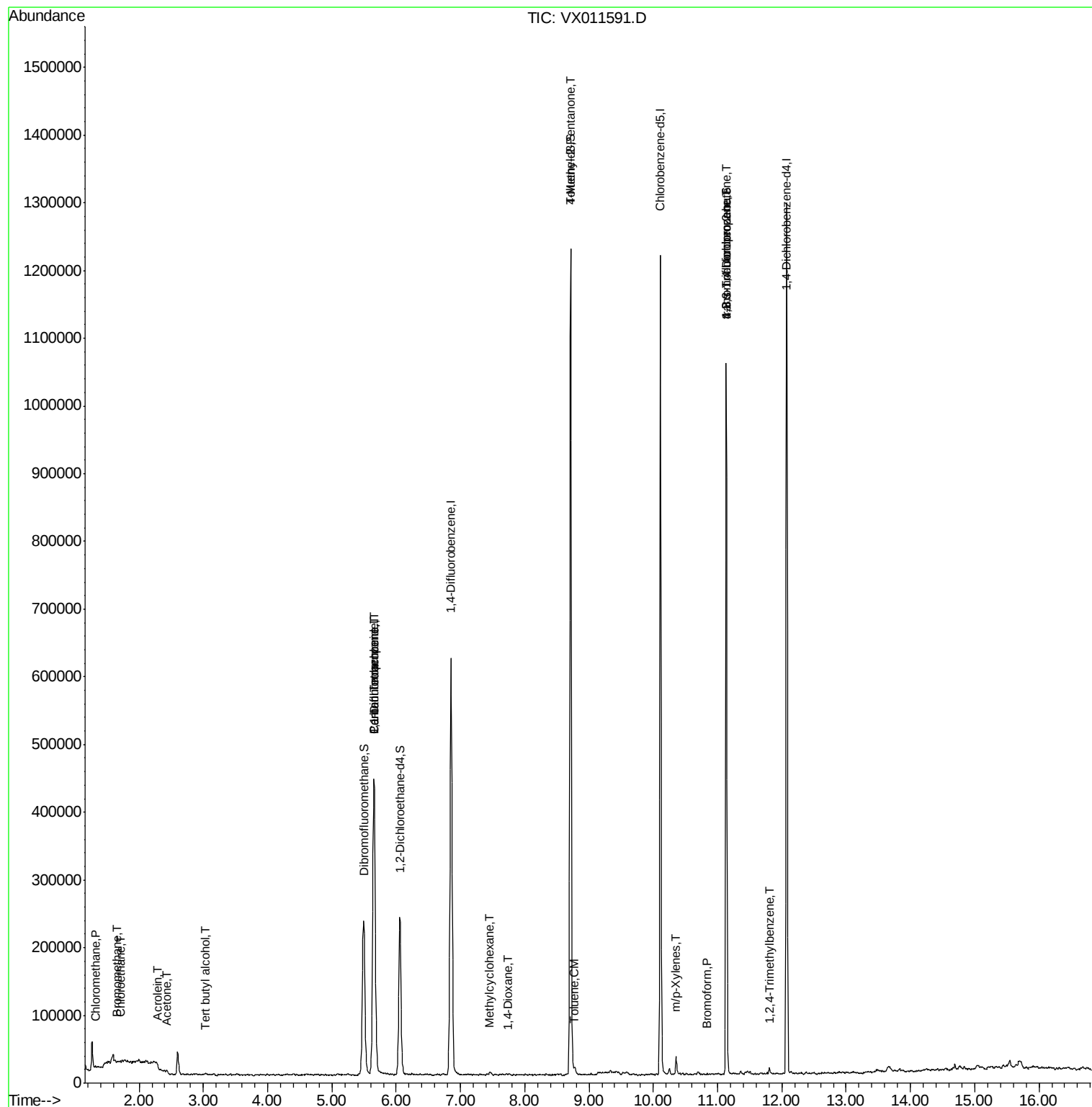
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1891	0.386	ug/l	94
5) Bromomethane	1.65	94	501	0.252	ug/l #	4
6) Chloroethane	1.72	64	456	0.217	ug/l	96
11) Tert butyl alcohol	3.03	59	3319	3.037	ug/l #	71
13) Acrolein	2.29	56	168	12.659	ug/l #	1
16) Acetone	2.43	43	6213	2.773	ug/l	91
36) 1,1-Dichloropropene	5.65	75	28703	5.078	ug/l #	50
38) Carbon Tetrachloride	5.65	117	39943	6.414	ug/l #	16
39) Methylcyclohexane	7.46	83	2405	0.345	ug/l	89
49) 1,4-Dioxane	7.74	88	139	1.040	ug/l #	1
51) 4-Methyl-2-Pentanone	8.71	43	2962	0.446	ug/l #	1
52) Toluene	8.78	92	2890	0.258	ug/l #	75
68) m/p-Xylenes	10.35	106	7039	0.878	ug/l	93
71) Bromoform	10.84	173	108	3.314	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	126131	22.176	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	126131	59.169	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.80	105	3845	0.234	ug/l	86

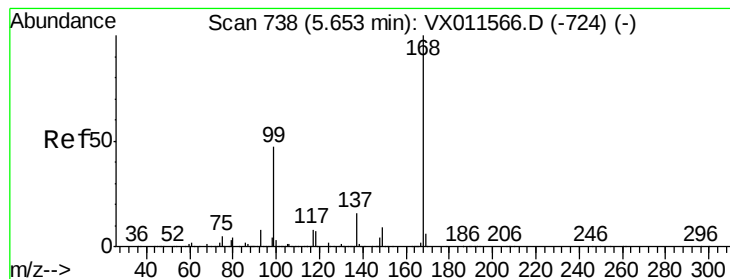
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011591.D

Acq: 16 Aug 2019 19:09

Instrument :

MSVOA_X

ClientSampleId :

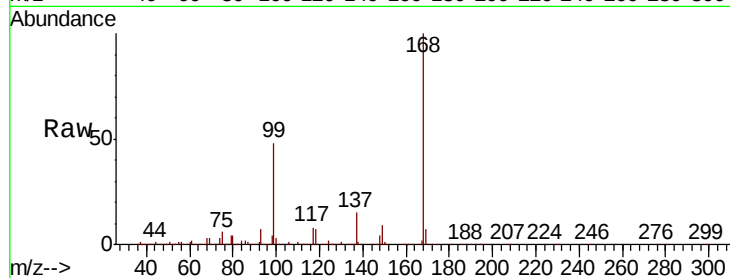
STORAGE-BLANK-WATER-REF-4

Tgt Ion:168 Resp: 480408

Ion Ratio Lower Upper

168 100

99 47.8 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

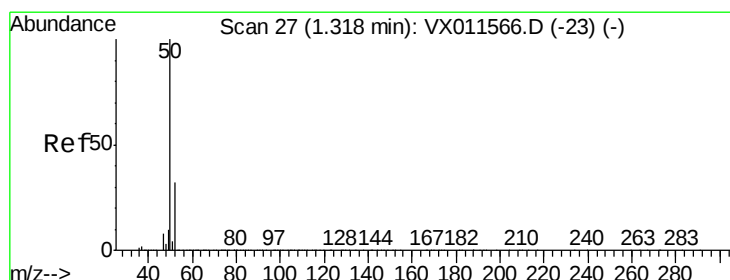
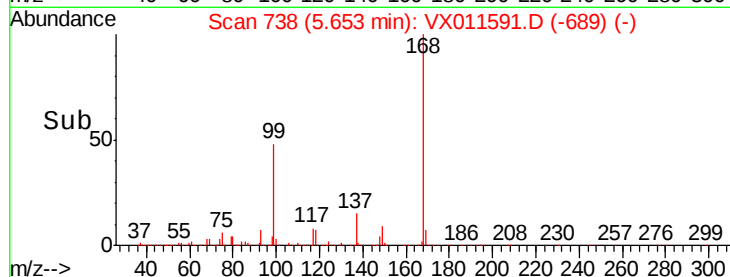
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.386 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011591.D

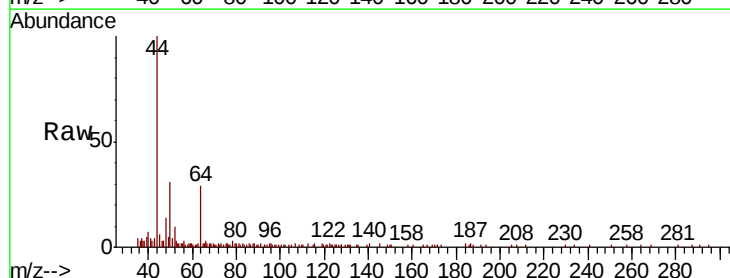
Acq: 16 Aug 2019 19:09

Tgt Ion: 50 Resp: 1891

Ion Ratio Lower Upper

50 100

52 36.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2000

1500

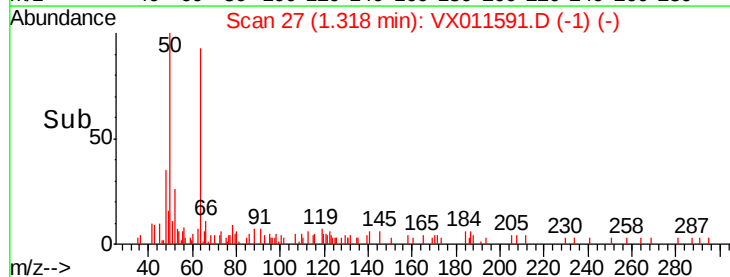
1000

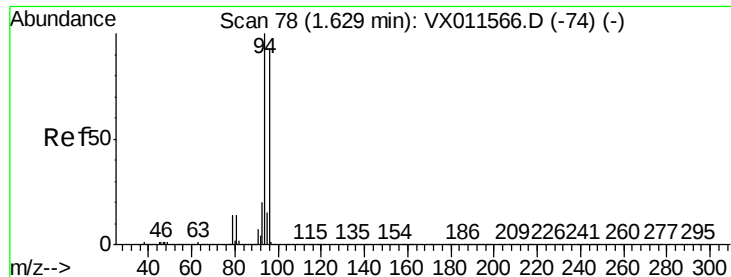
500

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.252 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX011591.D

Acq: 16 Aug 2019 19:09

Instrument :

MSVOA_X

ClientSampleId :

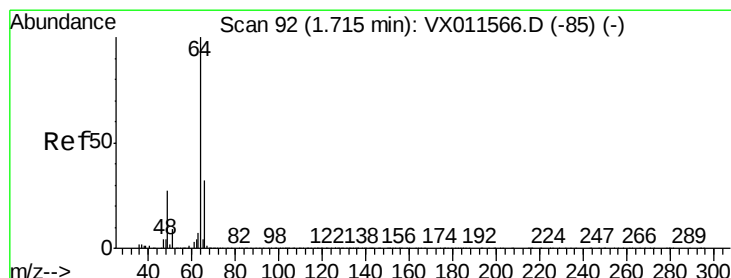
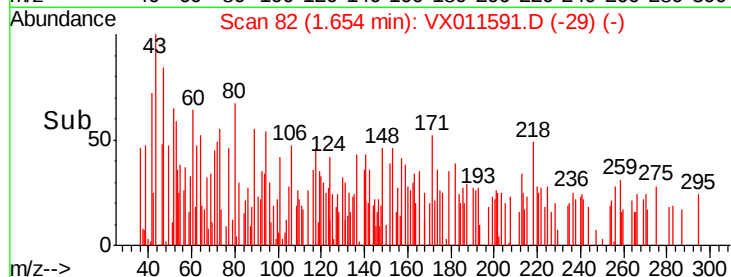
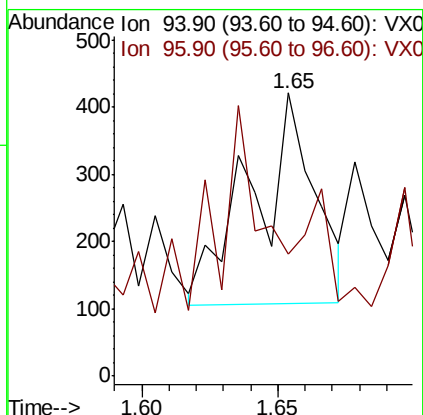
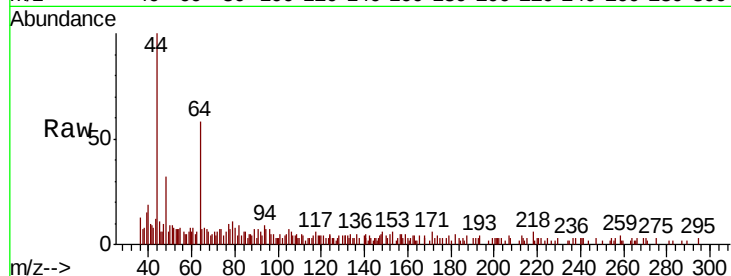
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 94 Resp: 501

Ion Ratio Lower Upper

94 100

96 0.7 74.8 112.2#



#6

Chloroethane

Concen: 0.217 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011591.D

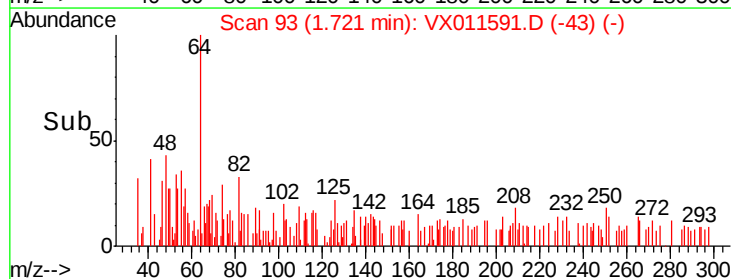
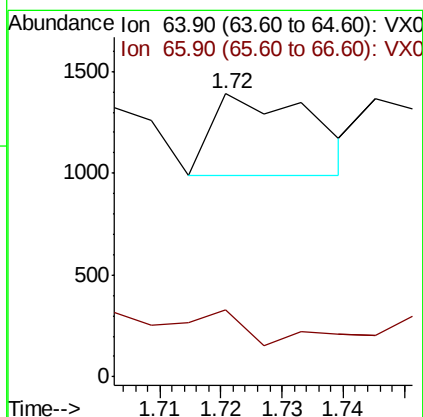
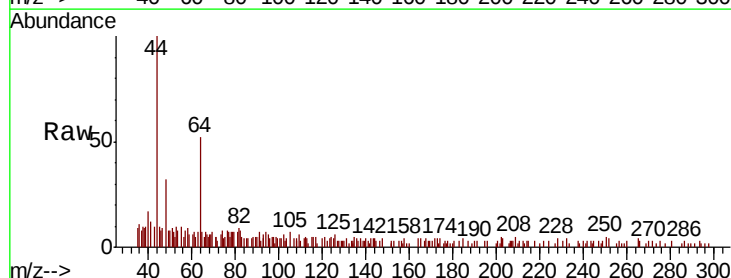
Acq: 16 Aug 2019 19:09

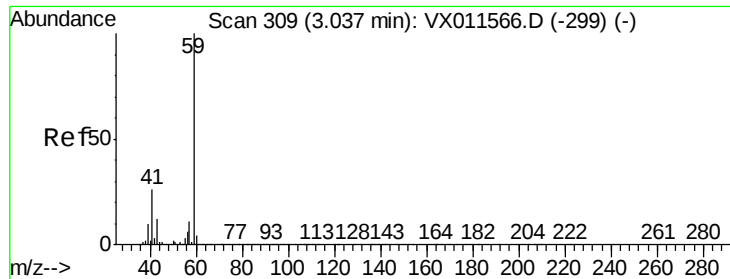
Tgt Ion: 64 Resp: 456

Ion Ratio Lower Upper

64 100

66 29.4 25.3 37.9

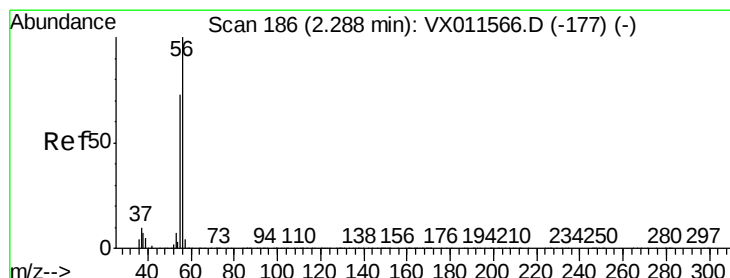
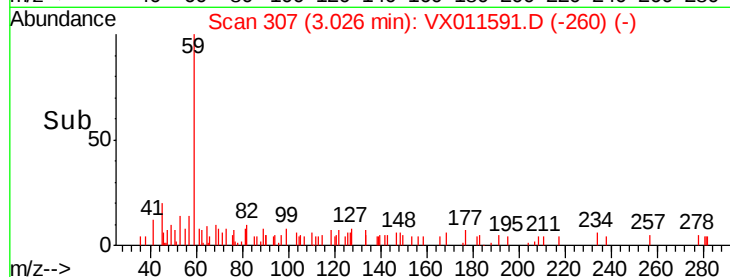
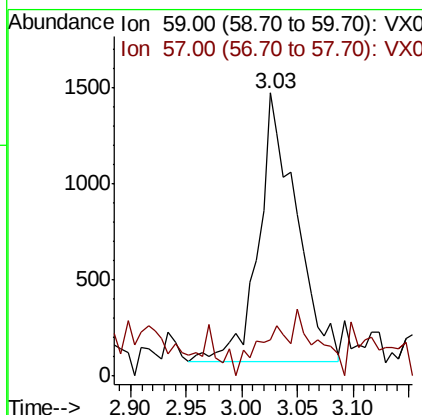
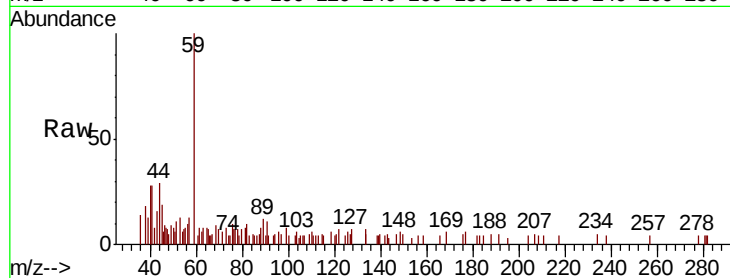




#11
Tert butyl alcohol
Concen: 3.037 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX011591.D
Acq: 16 Aug 2019 19:09

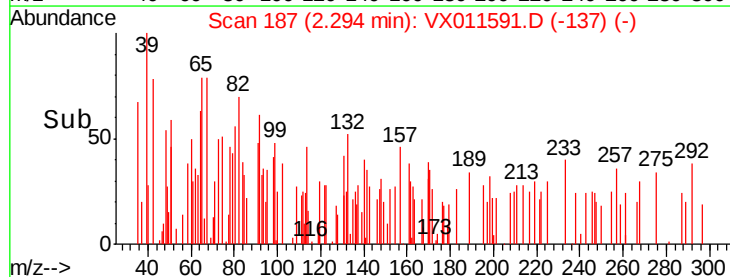
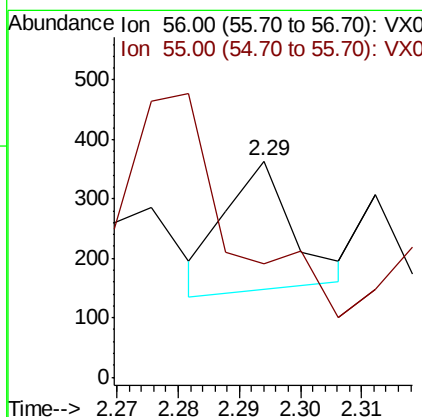
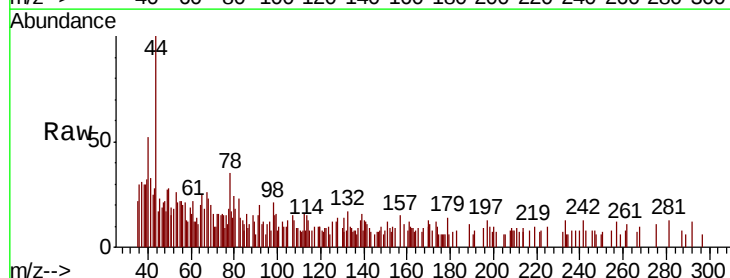
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

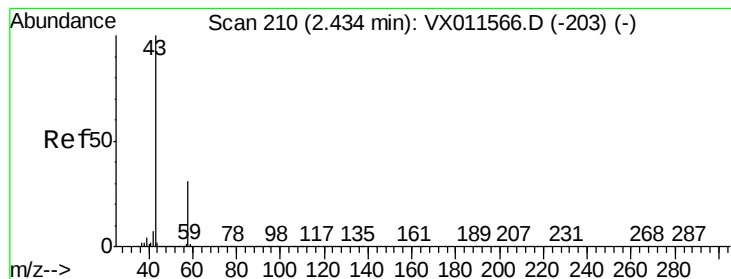
Tgt Ion: 59 Resp: 3319
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 12.659 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.01 min
Lab File: VX011591.D
Acq: 16 Aug 2019 19:09

Tgt Ion: 56 Resp: 168
Ion Ratio Lower Upper
56 100
55 460.1 55.5 83.3#





#16

Acetone

Concen: 2.773 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011591.D

Acq: 16 Aug 2019 19:09

Instrument :

MSVOA_X

ClientSampleId :

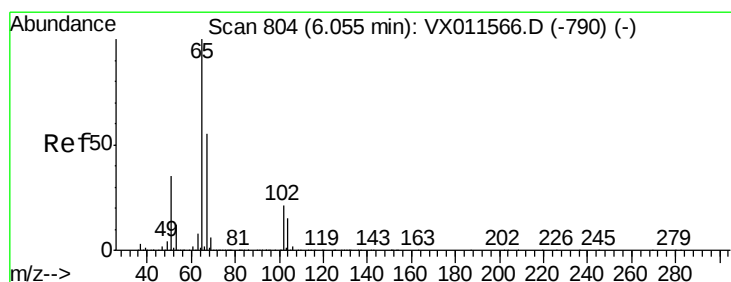
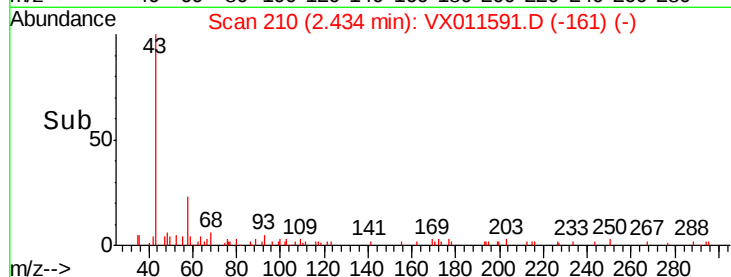
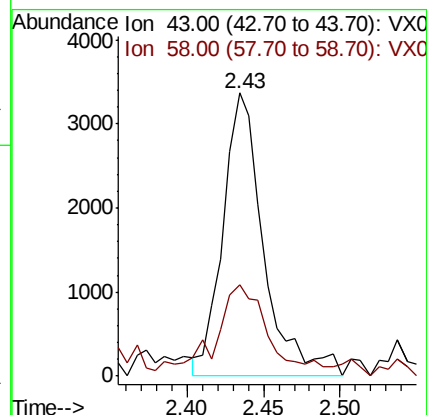
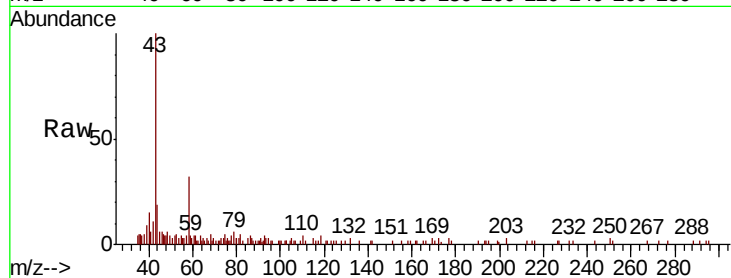
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 43 Resp: 6213

Ion Ratio Lower Upper

43 100

58 26.3 25.2 37.8



#33

1,2-Dichloroethane-d4

Concen: 50.319 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011591.D

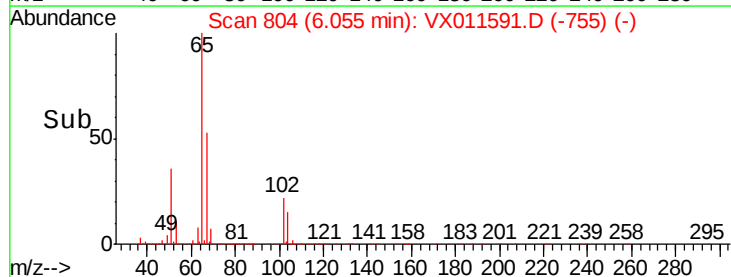
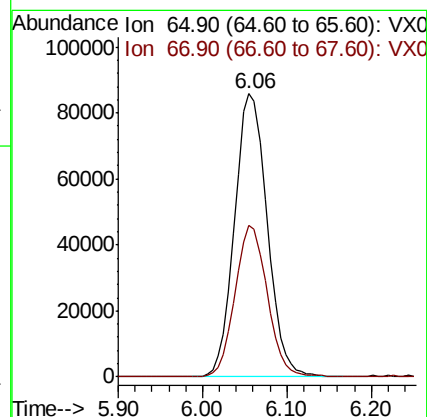
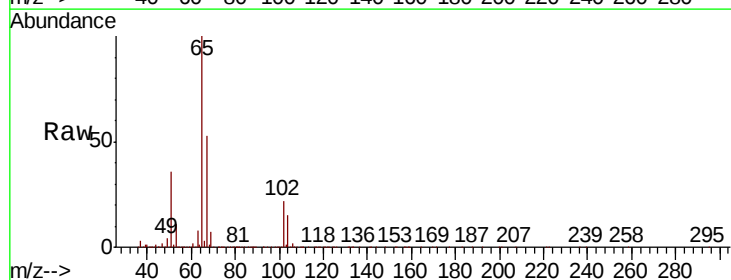
Acq: 16 Aug 2019 19:09

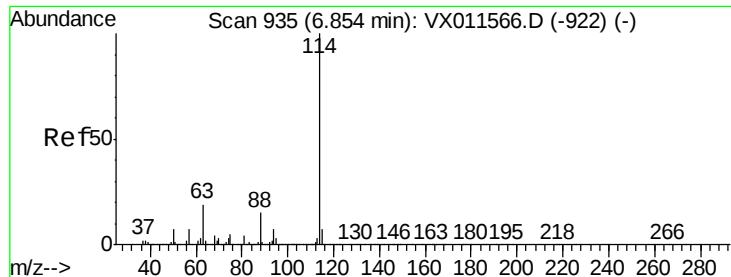
Tgt Ion: 65 Resp: 224177

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011591.D

Acq: 16 Aug 2019 19:09

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

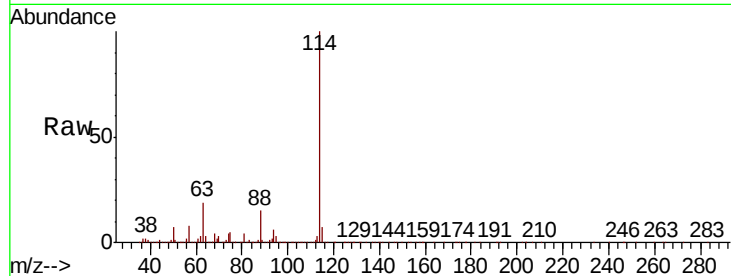
Tgt Ion:114 Resp: 661159

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.8

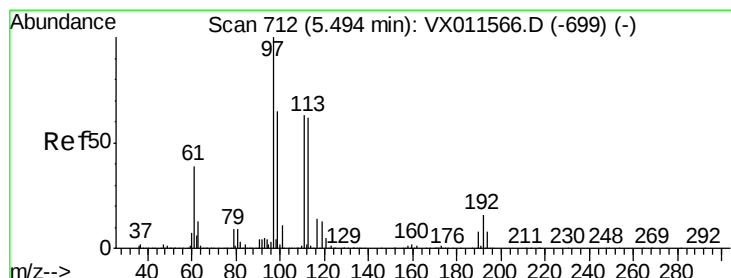
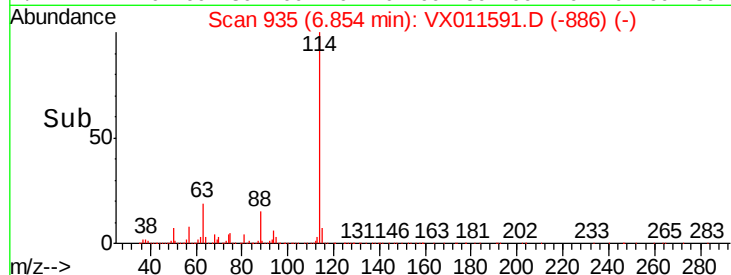
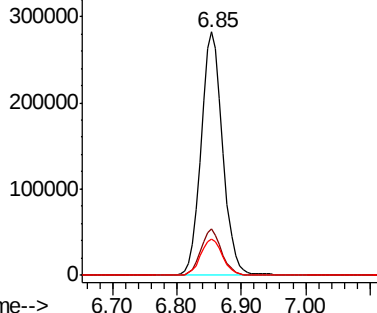
88 14.8 0.0 30.2



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: 44.663 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011591.D

Acq: 16 Aug 2019 19:09

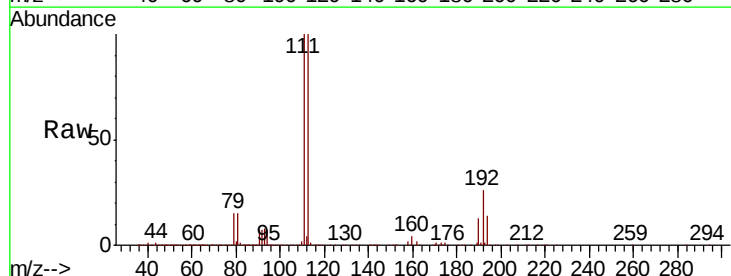
Tgt Ion:113 Resp: 193139

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

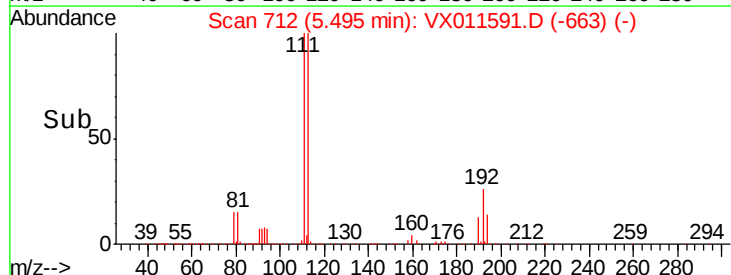
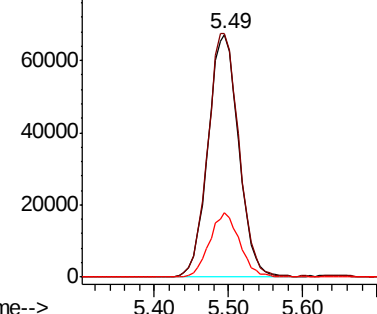
192 26.2 20.8 31.2

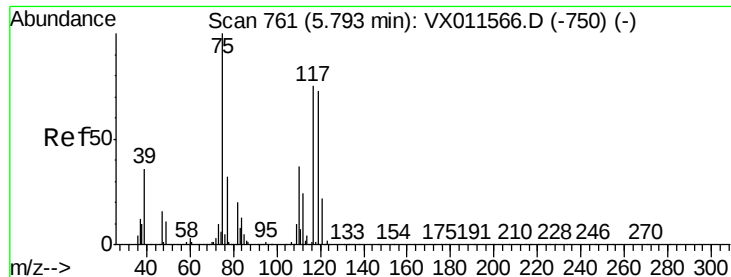


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

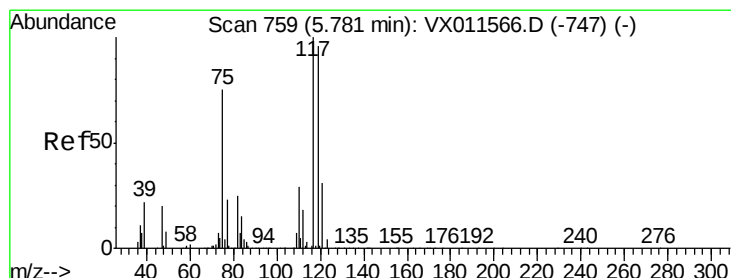
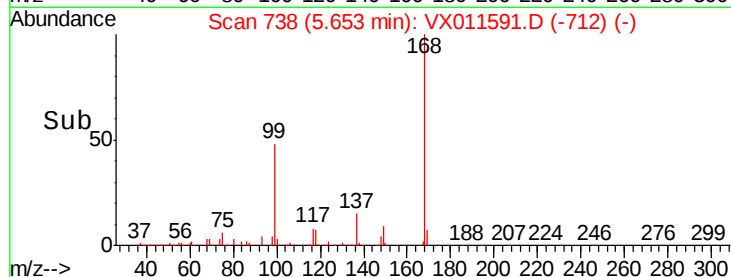
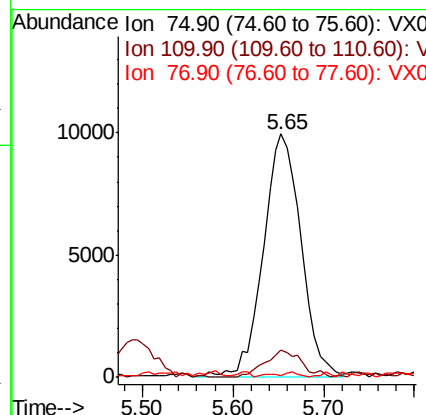
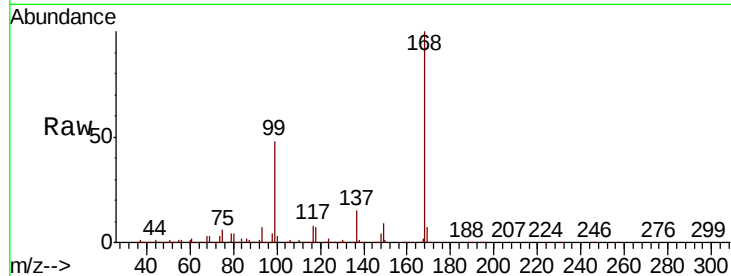




#36
 1,1-Dichloropropene
 Concen: 5.078 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011591.D
 Acq: 16 Aug 2019 19:09

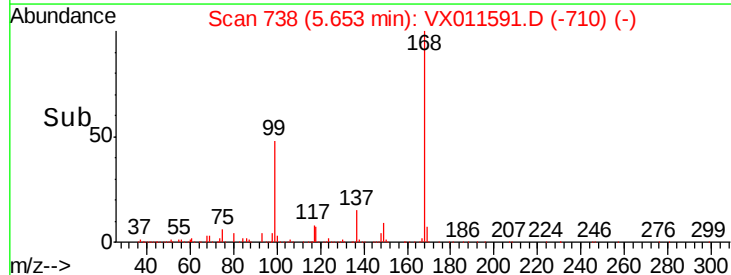
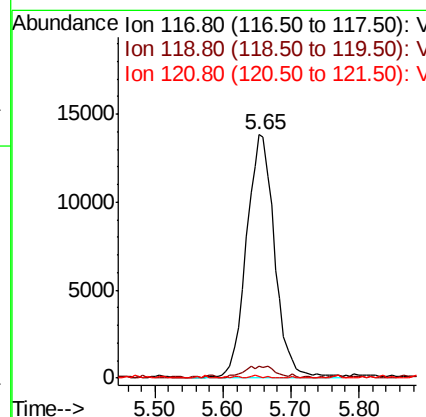
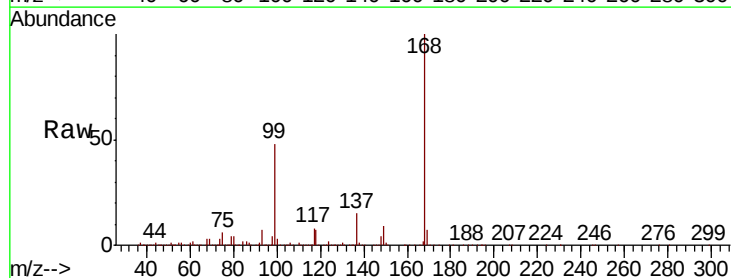
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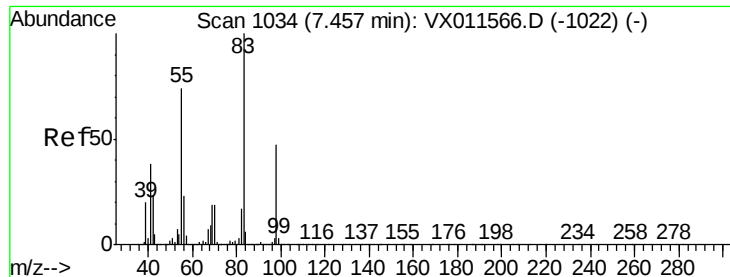
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	19.4	58.1#
77	0.7	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.414 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011591.D
 Acq: 16 Aug 2019 19:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.9	115.3#
121	0.8	24.8	37.2#

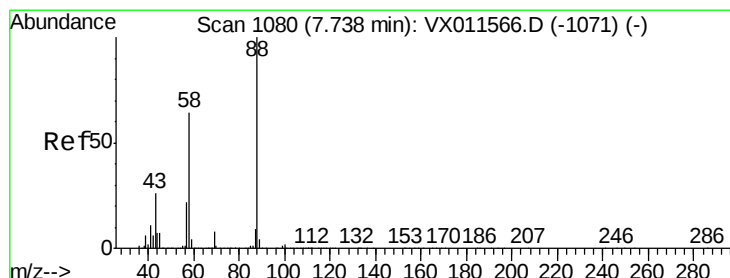
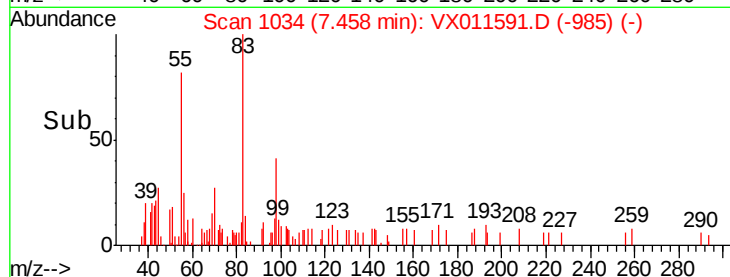
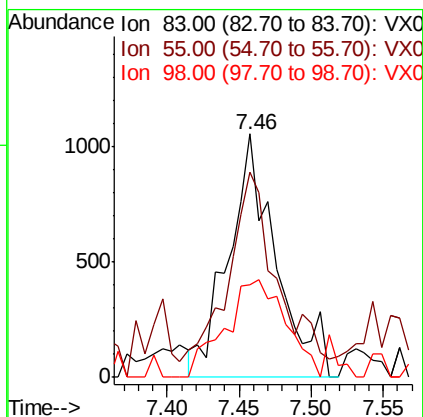
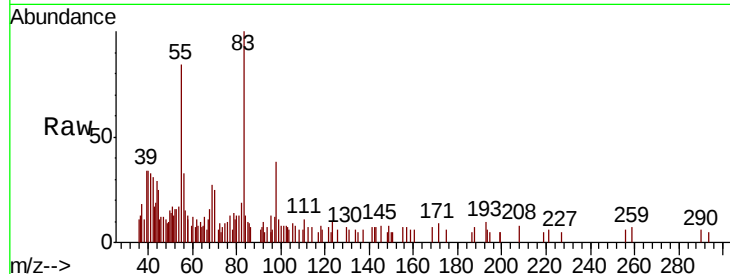




#39
Methylcyclohexane
Concen: 0.345 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011591.D
Acq: 16 Aug 2019 19:09

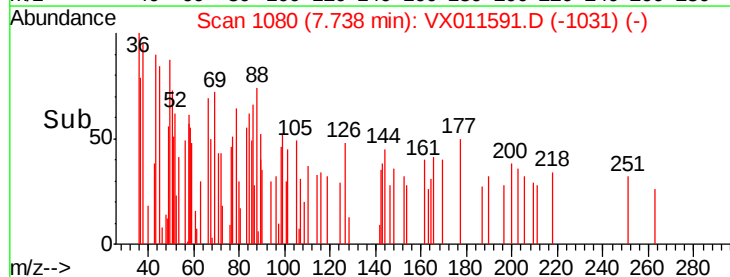
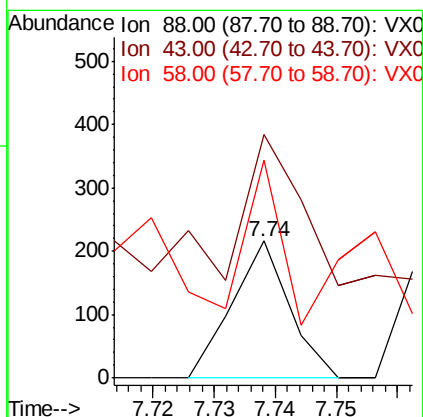
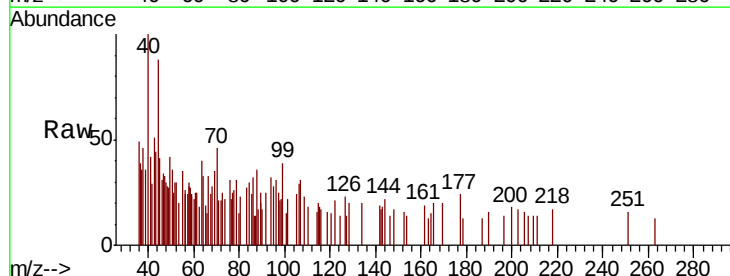
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

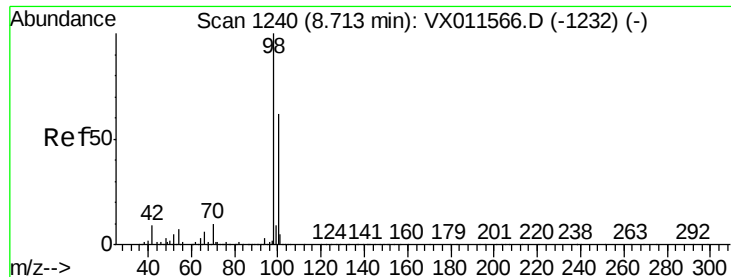
Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.2	58.8	88.2
98	42.6	37.8	56.6



#49
1,4-Dioxane
Concen: 1.040 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011591.D
Acq: 16 Aug 2019 19:09

Tgt Ion	Ratio	Lower	Upper
88	100		
43	399.3	23.4	35.0#
58	74.1	54.3	81.5





#50

Toluene-d8

Concen: 55.605 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011591.D

Acq: 16 Aug 2019 19:09

Instrument :

MSVOA_X

ClientSampleId :

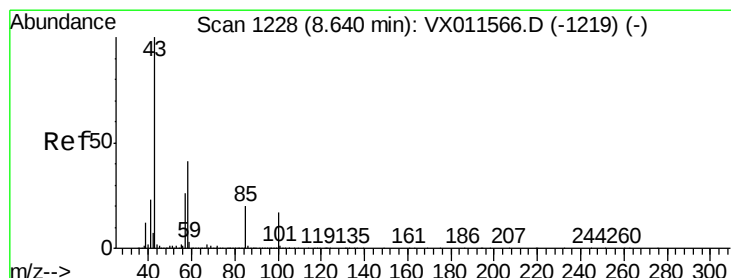
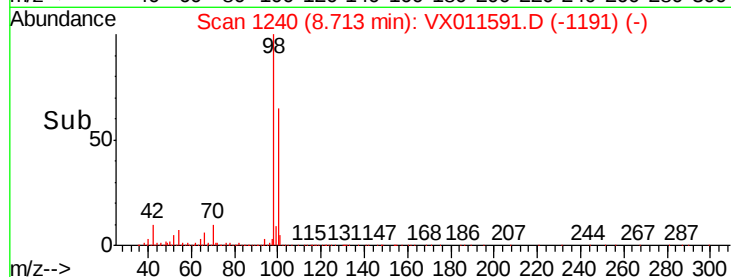
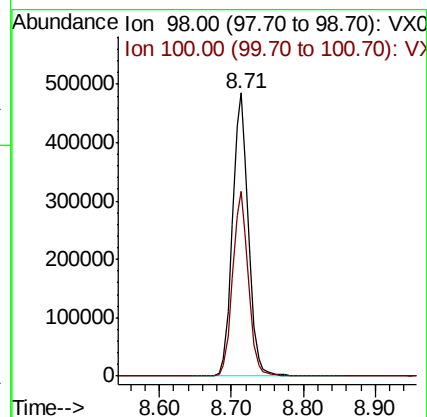
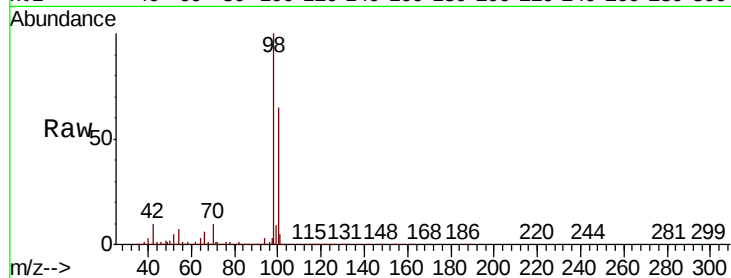
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 98 Resp: 749231

Ion Ratio Lower Upper

98 100

100 64.8 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 0.446 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX011591.D

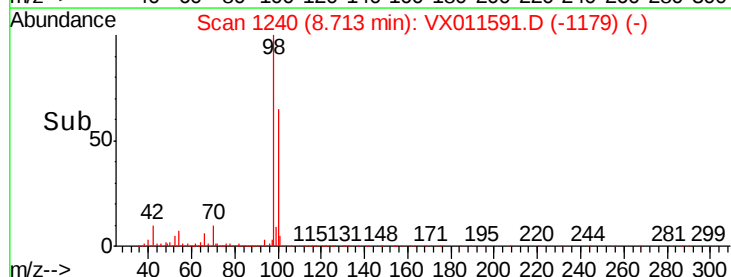
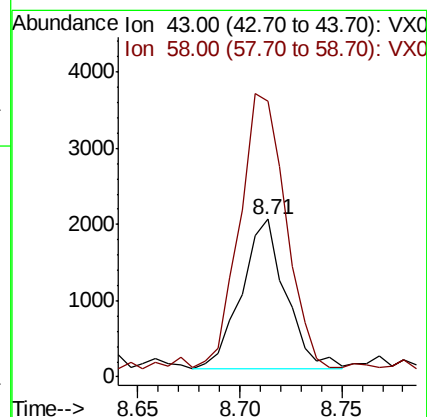
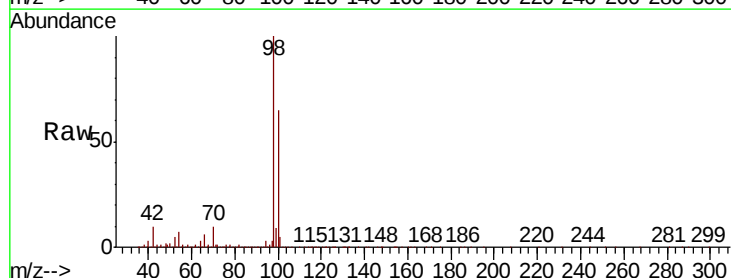
Acq: 16 Aug 2019 19:09

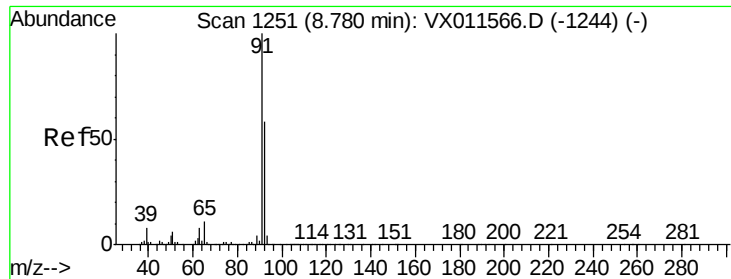
Tgt Ion: 43 Resp: 2962

Ion Ratio Lower Upper

43 100

58 195.3 31.8 47.6#





#52

Toluene

Concen: 0.258 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011591.D

Acq: 16 Aug 2019 19:09

Instrument :

MSVOA_X

ClientSampleId :

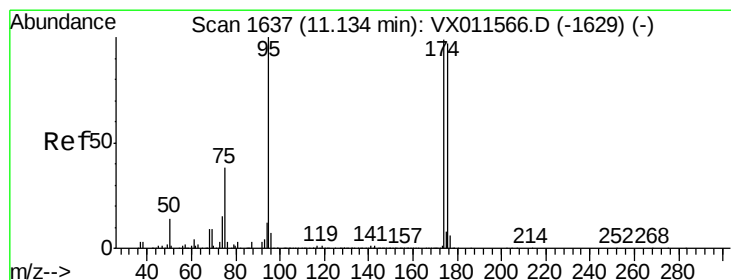
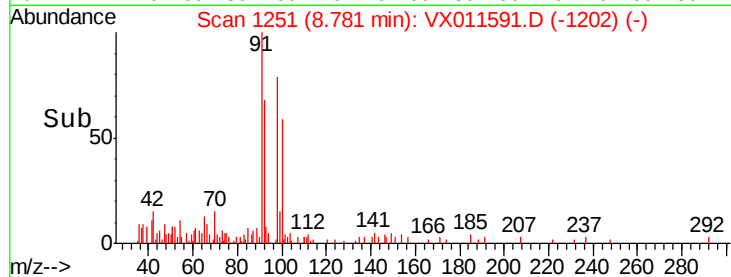
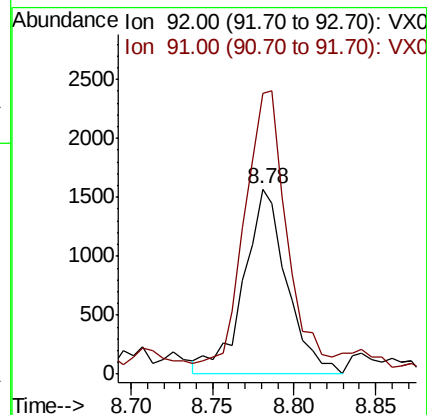
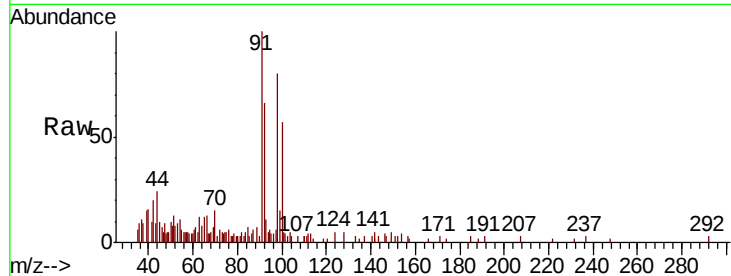
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 92 Resp: 2890

Ion Ratio Lower Upper

92 100

91 137.5 138.0 207.0#



#62

4-Bromofluorobenzene

Concen: 47.058 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011591.D

Acq: 16 Aug 2019 19:09

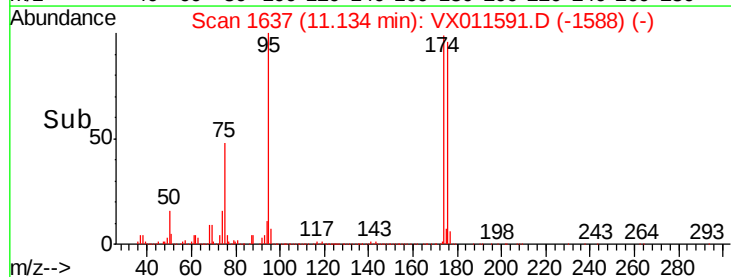
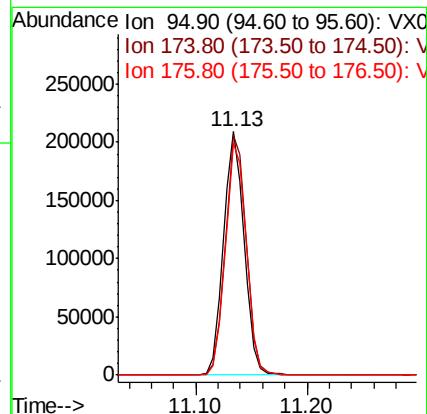
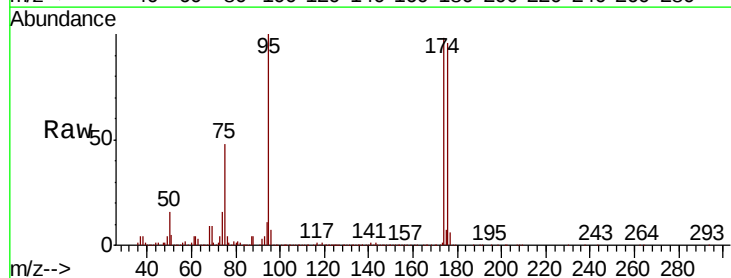
Tgt Ion: 95 Resp: 267633

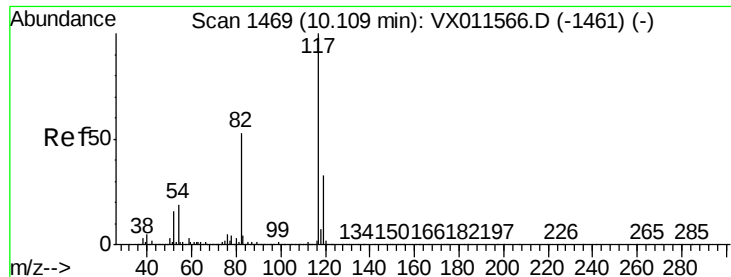
Ion Ratio Lower Upper

95 100

174 99.9 0.0 200.6

176 96.9 0.0 196.6

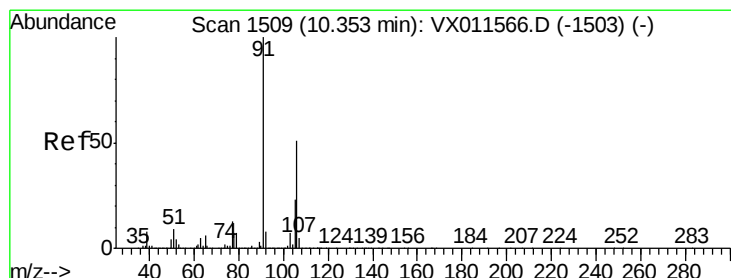
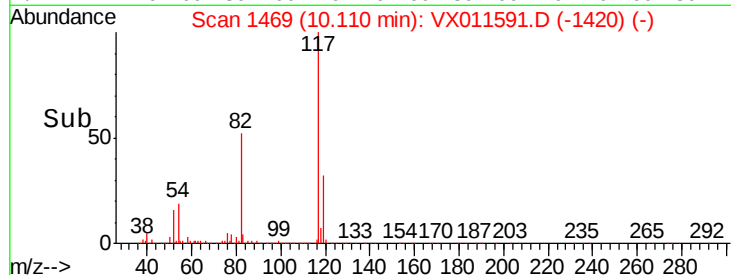
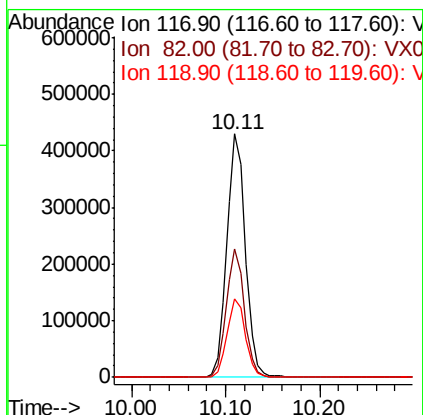
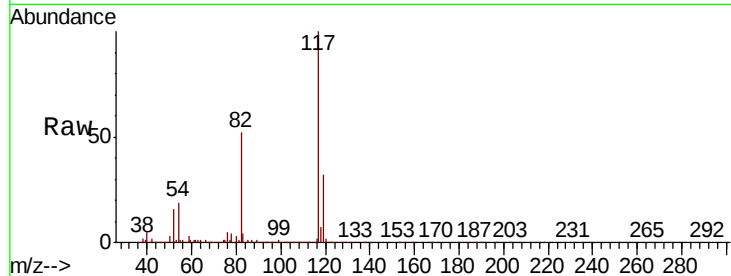




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011591.D
Acq: 16 Aug 2019 19:09

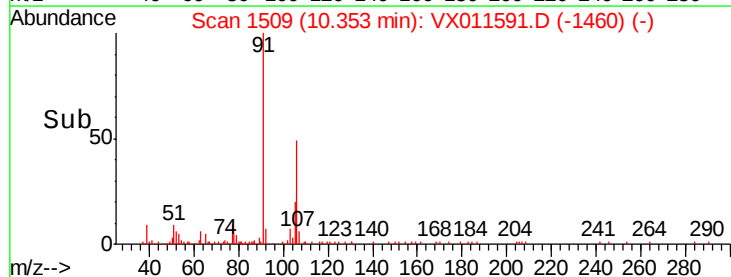
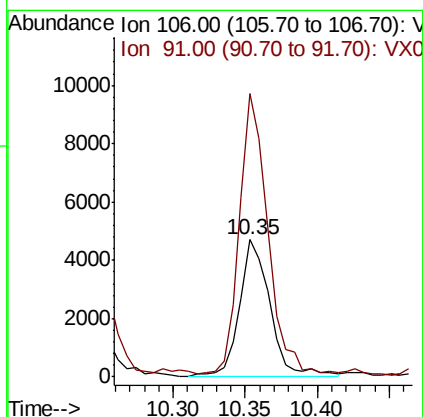
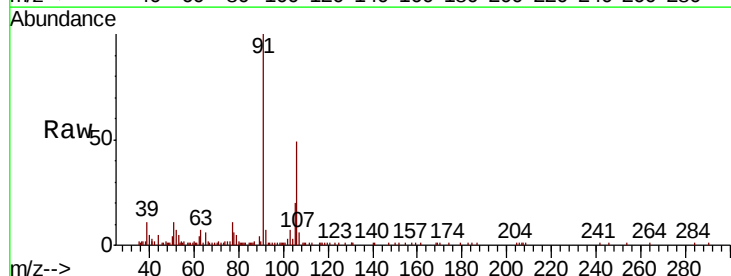
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

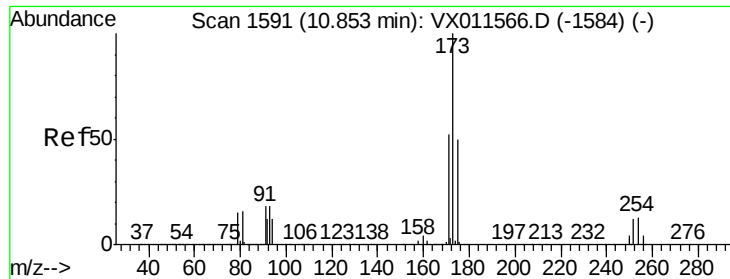
Tgt Ion:117 Resp: 586965
Ion Ratio Lower Upper
117 100
82 52.5 42.0 63.0
119 32.5 26.5 39.7



#68
m/p-Xylenes
Concen: 0.878 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011591.D
Acq: 16 Aug 2019 19:09

Tgt Ion:106 Resp: 7039
Ion Ratio Lower Upper
106 100
91 184.4 156.0 234.0





#71

Bromoform

Concen: 3.314 ug/l

RT: 10.84 min Scan# 1589

Delta R.T. -0.01 min

Lab File: VX011591.D

Acq: 16 Aug 2019 19:09

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

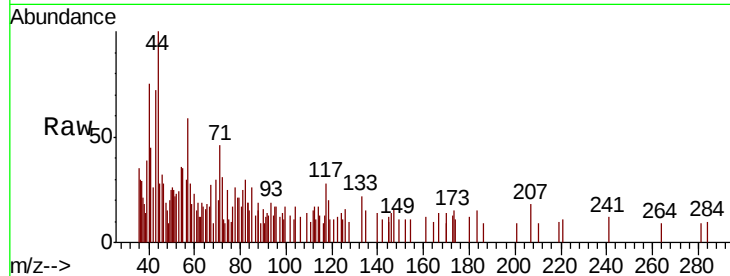
Tgt Ion:173 Resp: 108

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

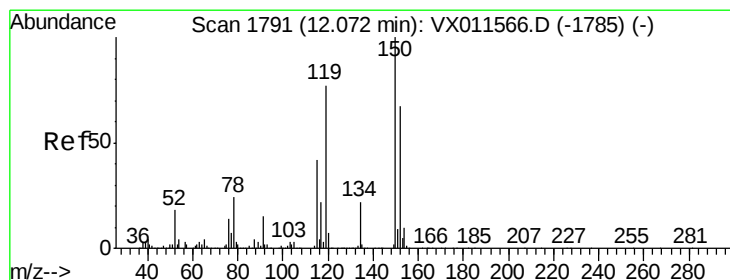
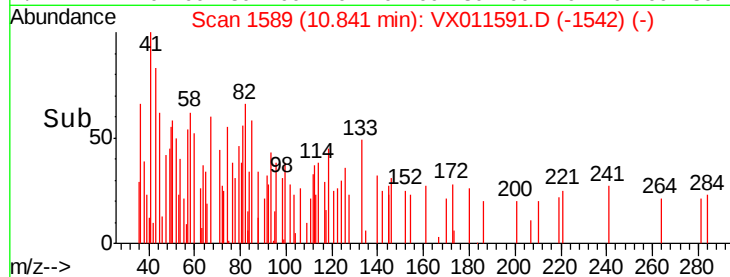
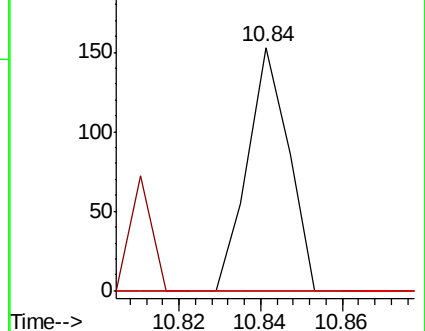
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX011591.D

Acq: 16 Aug 2019 19:09

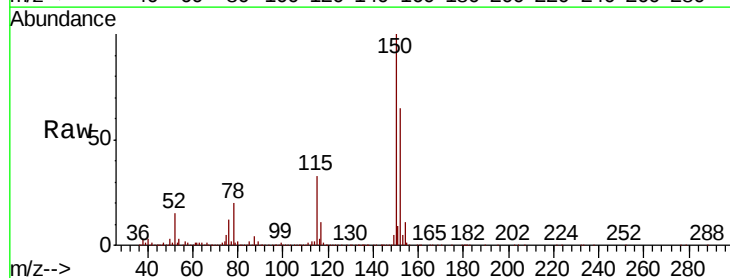
Tgt Ion:152 Resp: 299954

Ion Ratio Lower Upper

152 100

115 53.0 37.3 111.9

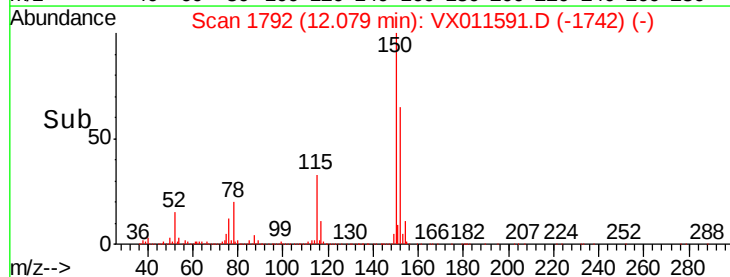
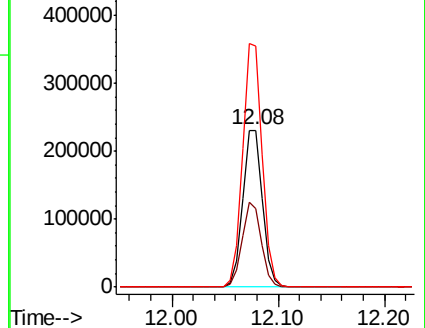
150 154.3 0.0 346.2

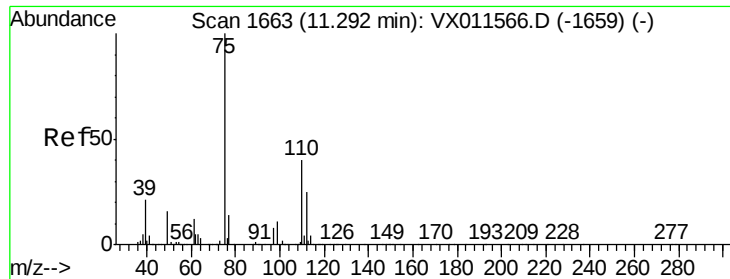


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.176 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011591.D

Acq: 16 Aug 2019 19:09

Instrument :

MSVOA_X

ClientSampleId :

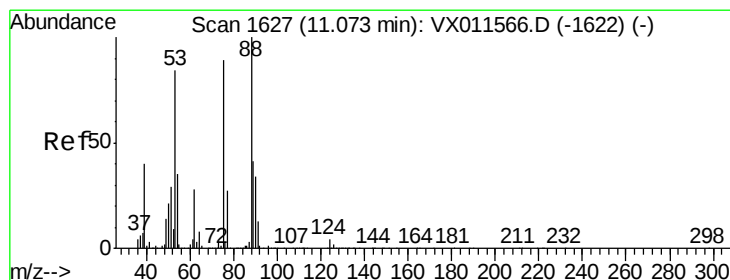
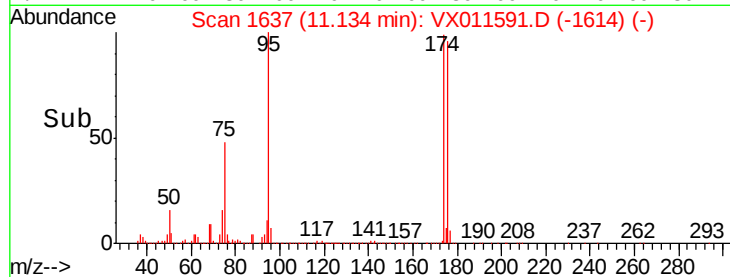
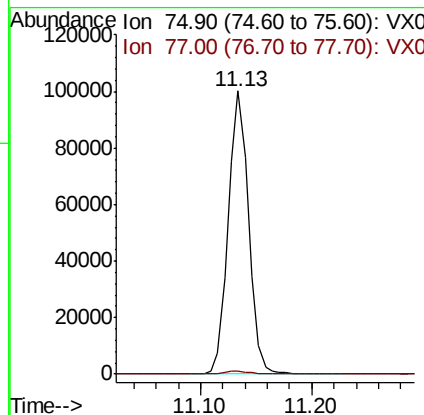
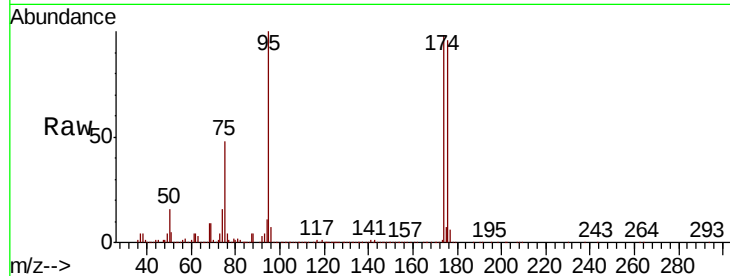
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 126131

Ion Ratio Lower Upper

75 100

77 1.4 20.9 62.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.169 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011591.D

Acq: 16 Aug 2019 19:09

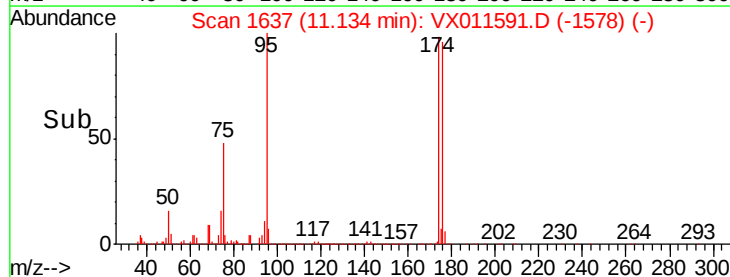
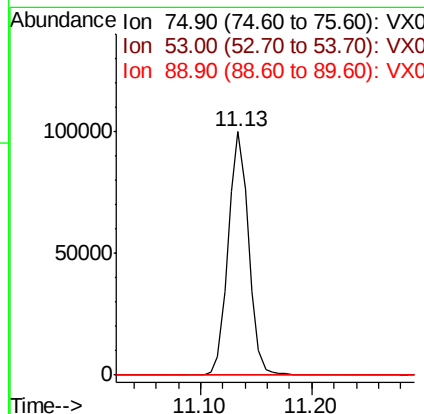
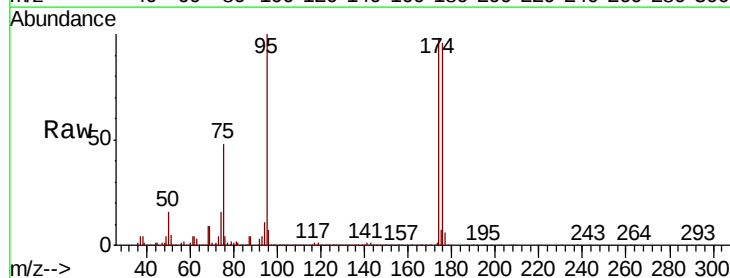
Tgt Ion: 75 Resp: 126131

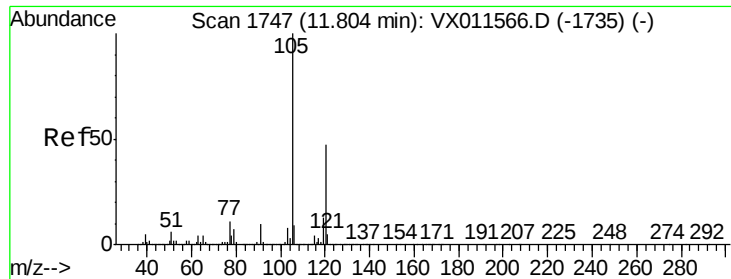
Ion Ratio Lower Upper

75 100

53 0.1 77.4 116.0#

89 0.1 37.3 55.9#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.234 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011591.D
 Acq: 16 Aug 2019 19:09

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Tgt Ion:105 Resp: 3845
 Ion Ratio Lower Upper
 105 100
 120 55.6 23.3 69.9

