

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010530.D
 Acq On : 28 Jun 2019 12:41
 Operator : JC/SP
 Sample : K3595-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jun 29 04:36:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	260367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	394682	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	360858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165939	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	119580	48.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.96%	
35) Dibromofluoromethane	5.50	113	120165	49.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.52%	
50) Toluene-d8	8.71	98	462849	50.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.13	95	154951	46.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.92%	

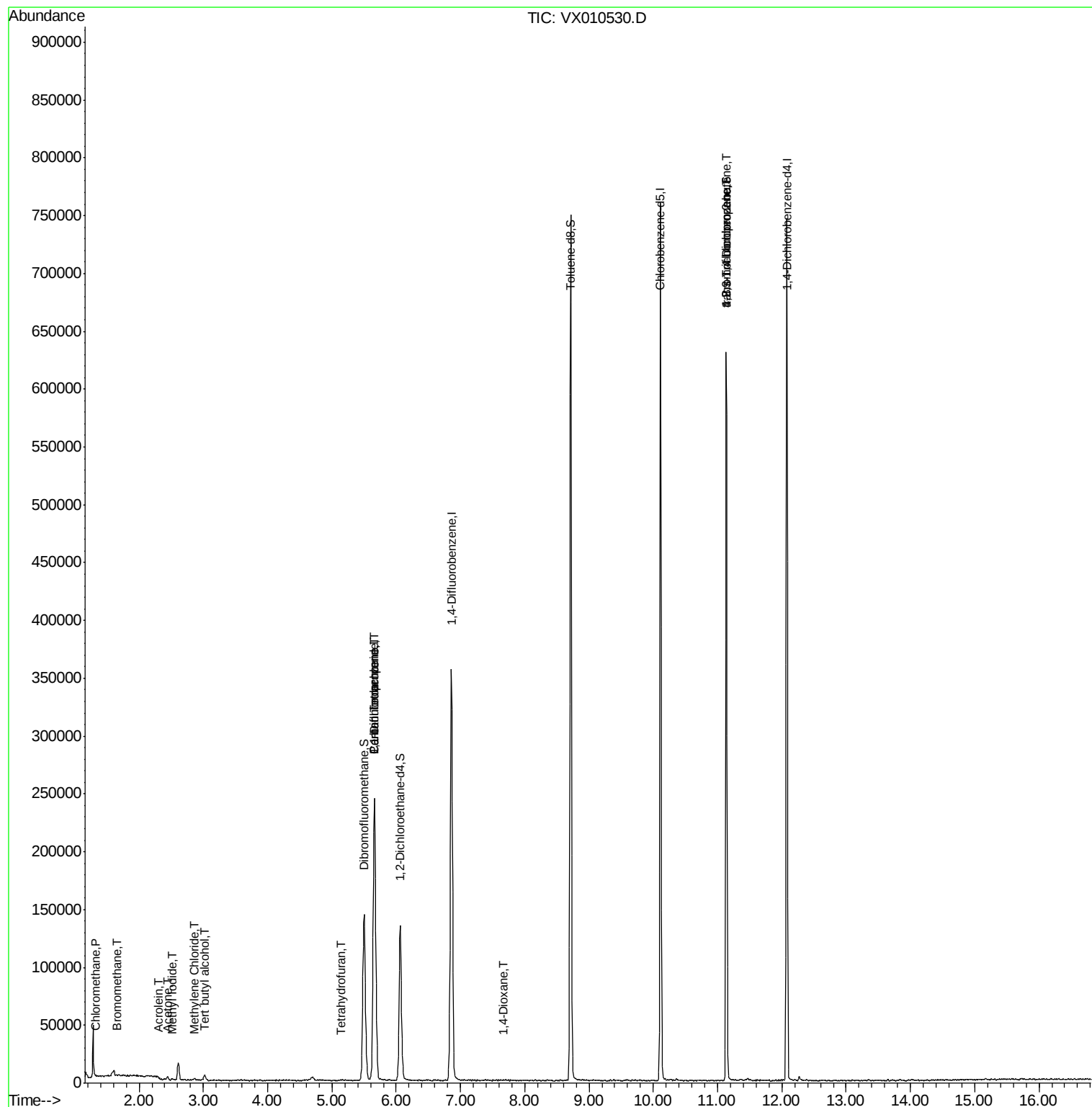
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	701	0.333	ug/l	95
5) Bromomethane	1.66	94	649	0.577	ug/l #	38
10) Methyl Iodide	2.52	142	684	0.216	ug/l	91
11) Tert butyl alcohol	3.03	59	2734	4.280	ug/l #	82
13) Acrolein	2.30	56	274	0.647	ug/l #	66
16) Acetone	2.44	43	3223	2.634	ug/l	96
20) Methylene Chloride	2.87	84	626	0.249	ug/l #	54
29) Tetrahydrofuran	5.13	42	295	0.265	ug/l #	37
36) 1,1-Dichloropropene	5.66	75	15833	5.048	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22890	6.740	ug/l #	15
49) 1,4-Dioxane	7.66	88	23	0.322	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	72613	24.013	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	72613	56.021	ug/l #	16

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

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Quant Time: Jun 29 04:36:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010530.D

Acq: 28 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

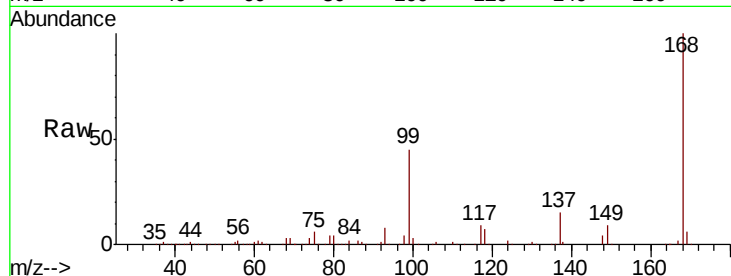
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 260367

Ion Ratio Lower Upper

168 100

99 45.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

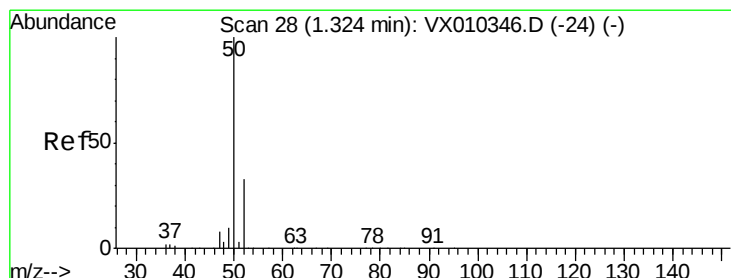
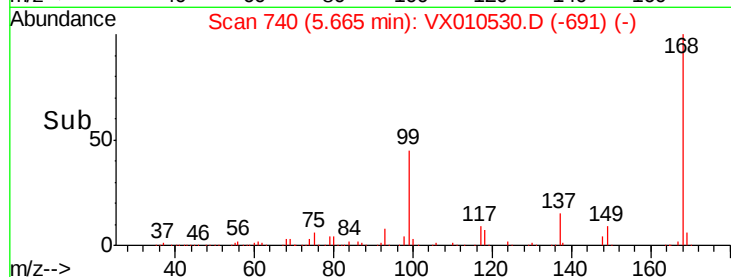
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.333 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010530.D

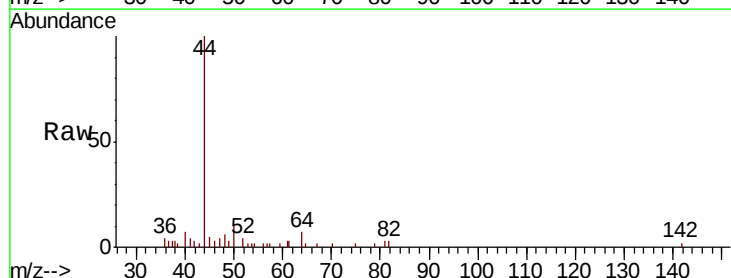
Acq: 28 Jun 2019 12:41

Tgt Ion: 50 Resp: 701

Ion Ratio Lower Upper

50 100

52 30.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

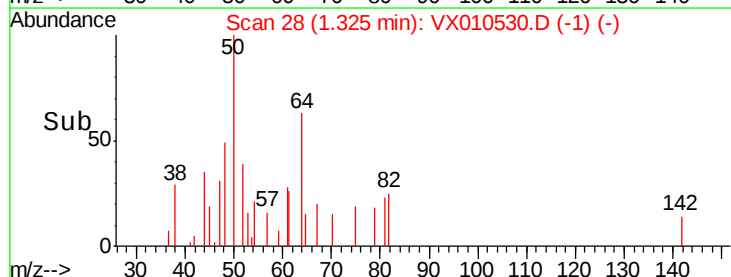
200

100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.577 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010530.D

Acq: 28 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

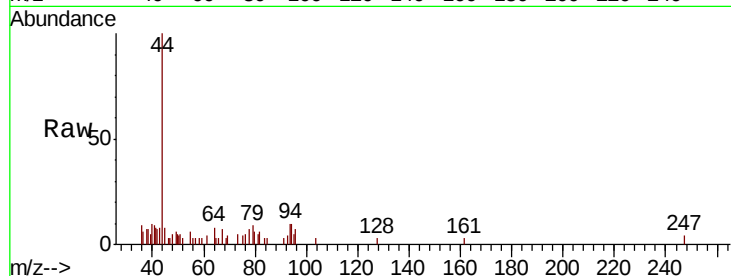
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 649

Ion Ratio Lower Upper

94 100

96 33.9 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

300

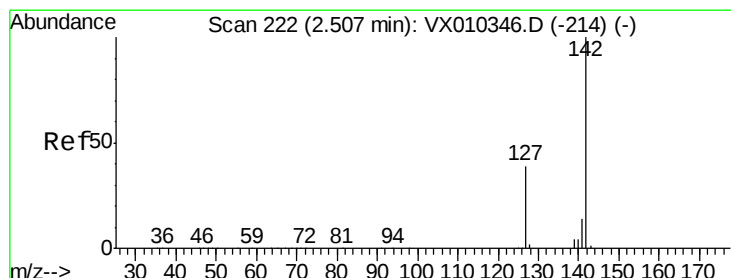
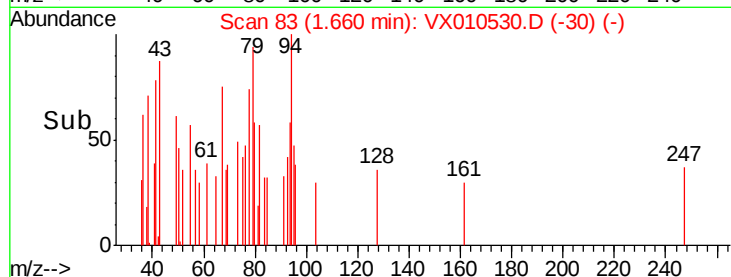
200

100

0

1.60 1.65 1.70

Time-->



#10

Methyl Iodide

Concen: 0.216 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010530.D

Acq: 28 Jun 2019 12:41

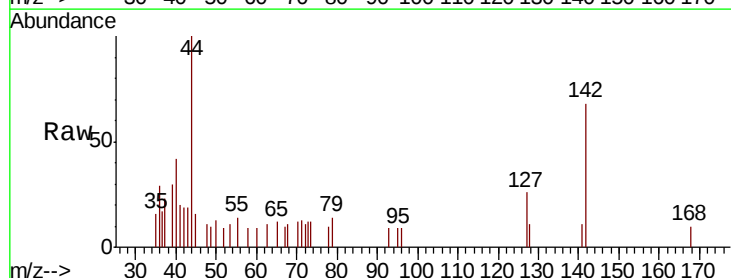
Tgt Ion: 142 Resp: 684

Ion Ratio Lower Upper

142 100

127 46.3 31.1 46.7

141 13.7 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

500

400

300

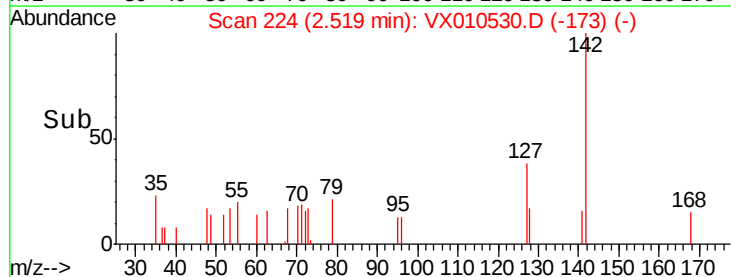
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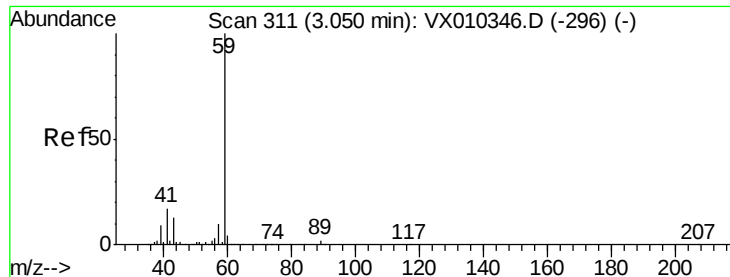
100

0

2.45 2.50 2.55

Time-->

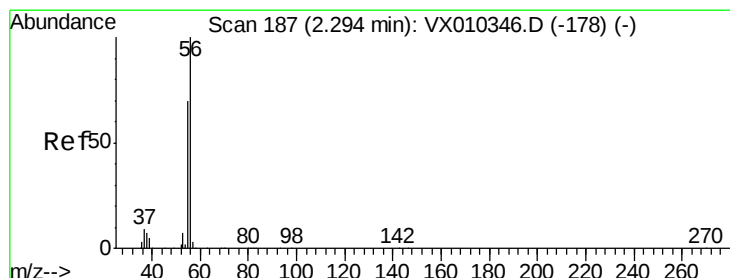
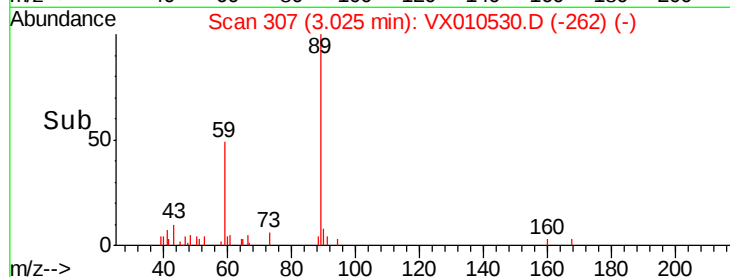
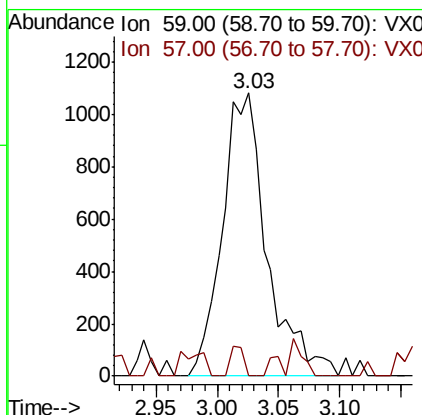
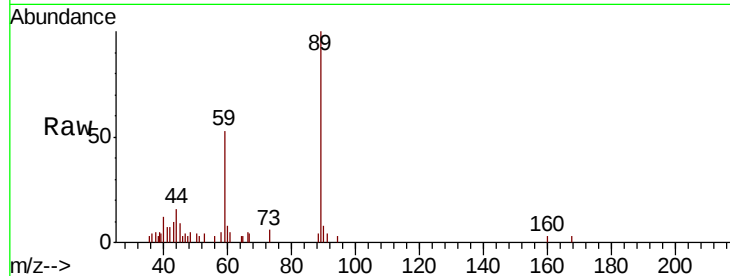




#11
Tert butyl alcohol
Concen: 4.280 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX010530.D
Acq: 28 Jun 2019 12:41

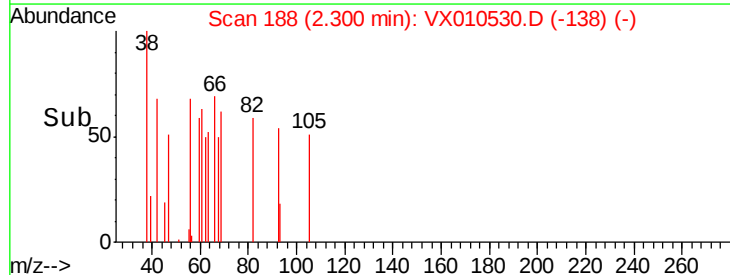
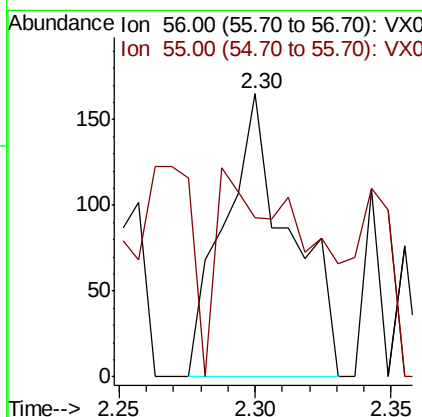
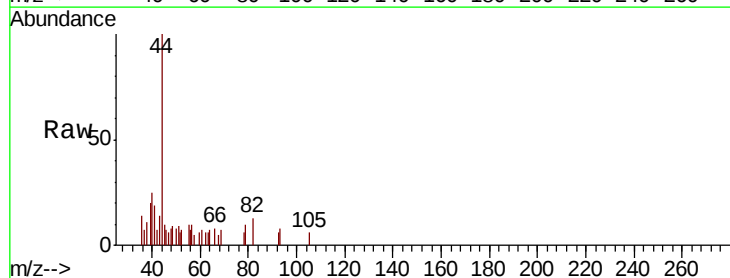
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

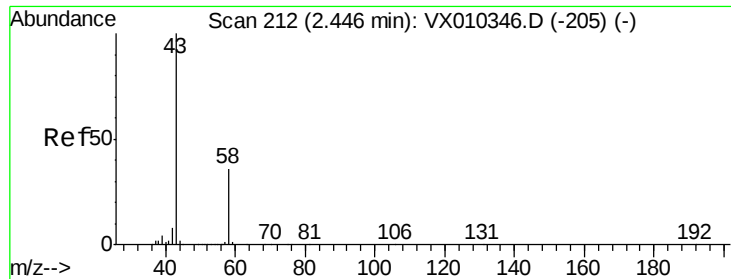
Tot Ion: 59 Resp: 2734
Ion Ratio Lower Upper
59 100
57 3.0 7.7 11.5#



#13
Acrolein
Concen: 0.647 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX010530.D
Acq: 28 Jun 2019 12:41

Tgt Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 98.9 56.9 85.3#

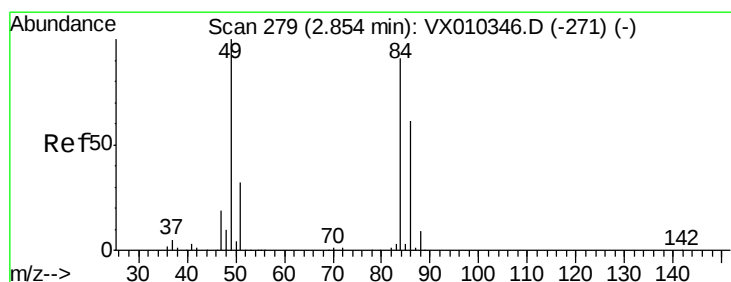
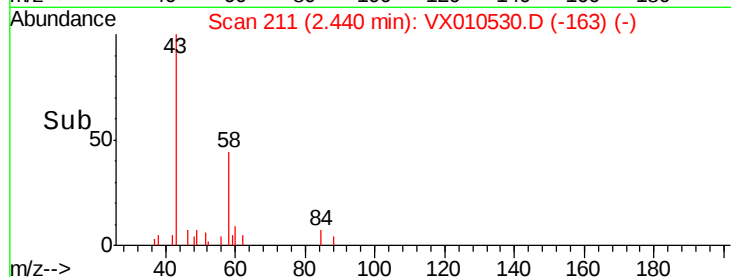
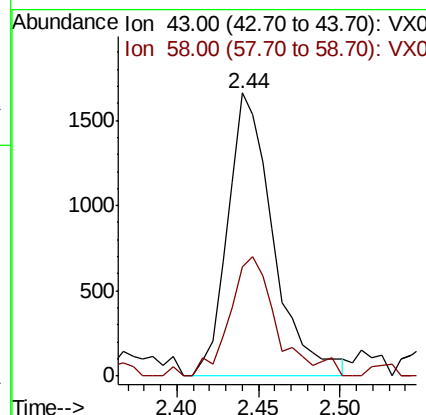
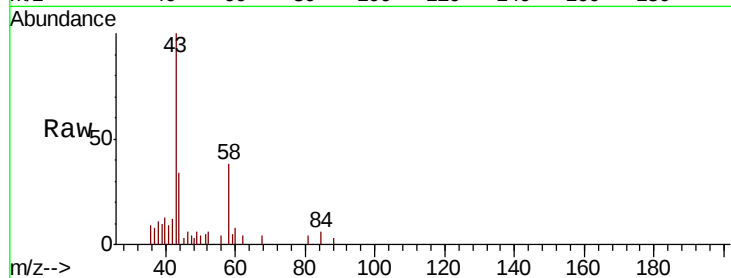




#16
Acetone
Concen: 2.634 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010530.D
Acq: 28 Jun 2019 12:41

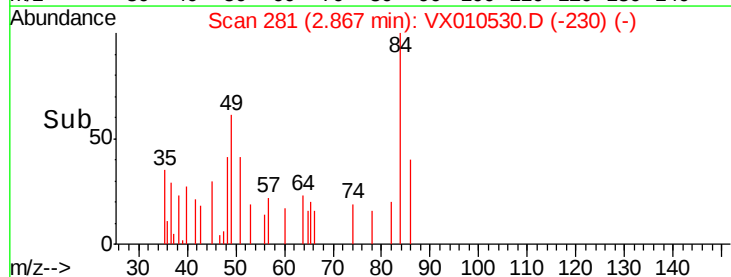
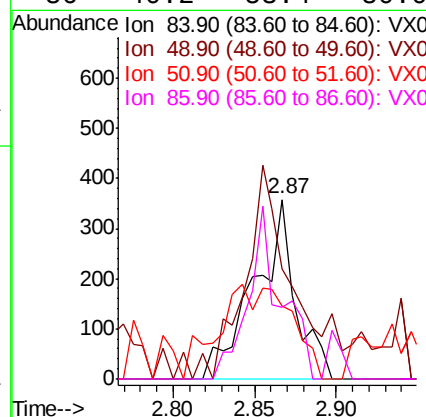
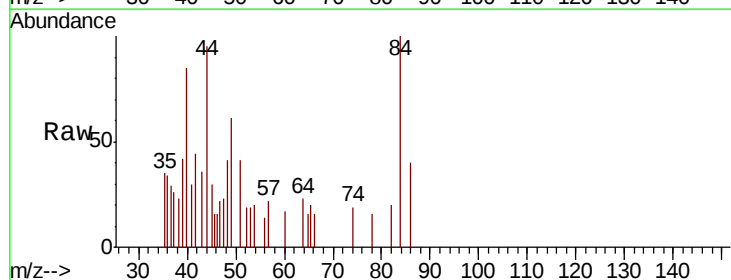
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

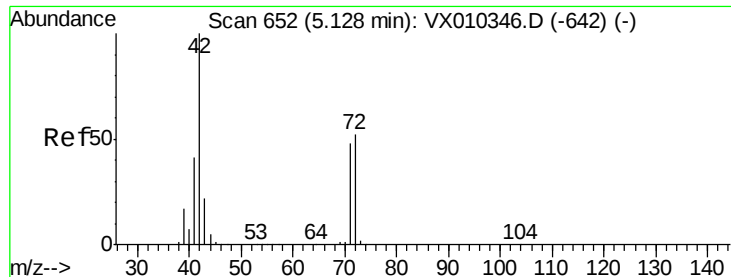
Tot Ion: 43 Resp: 3223
Ion Ratio Lower Upper
43 100
58 38.5 28.9 43.3



#20
Methylene Chloride
Concen: 0.249 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX010530.D
Acq: 28 Jun 2019 12:41

Tgt Ion: 84 Resp: 626
Ion Ratio Lower Upper
84 100
49 45.0 87.5 131.3#
51 21.2 27.7 41.5#
86 40.2 53.4 80.0#

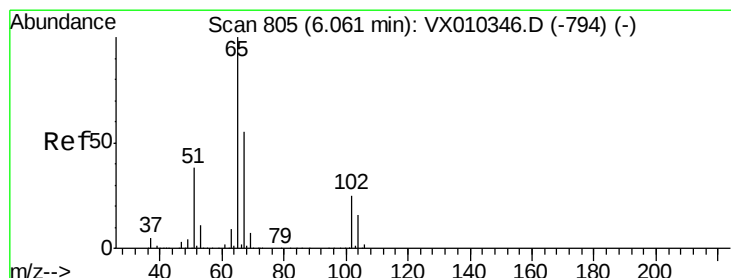
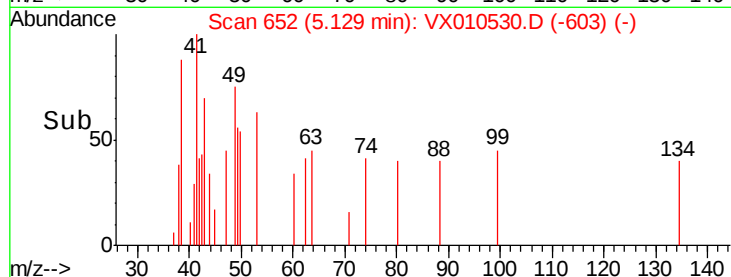
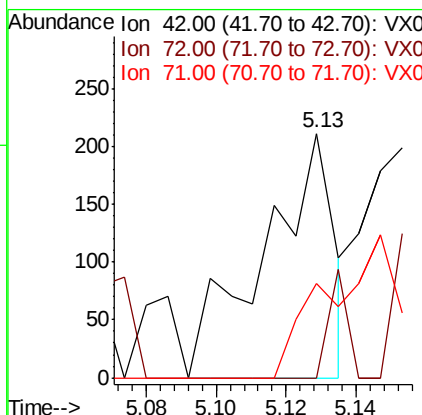
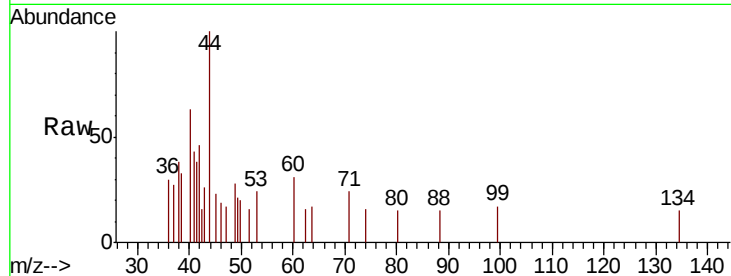




#29
Tetrahydrofuran
Concen: 0.265 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010530.D
Acq: 28 Jun 2019 12:41

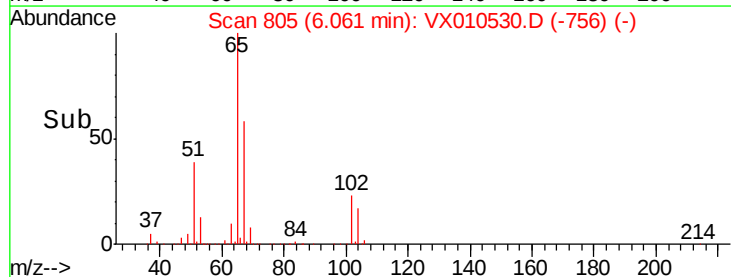
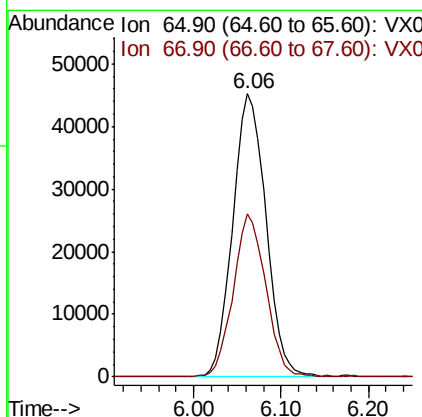
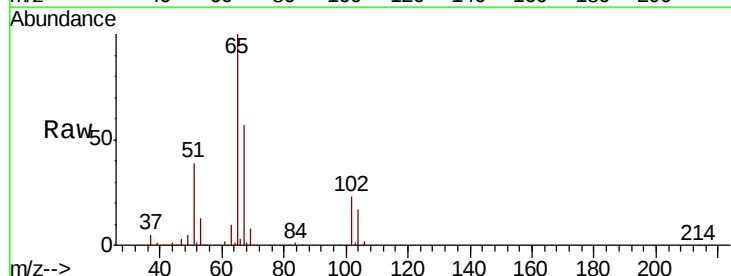
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

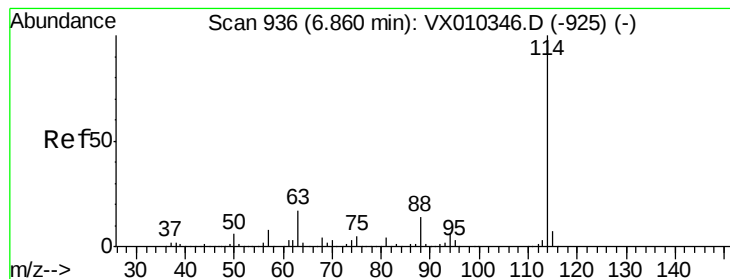
Tot Ion: 42 Resp: 295
Ion Ratio Lower Upper
42 100
72 11.5 40.6 60.8#
71 0.0 37.8 56.8#



#33
1,2-Dichloroethane-d4
Concen: 48.984 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010530.D
Acq: 28 Jun 2019 12:41

Tgt Ion: 65 Resp: 119580
Ion Ratio Lower Upper
65 100
67 56.4 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010530.D

Acq: 28 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

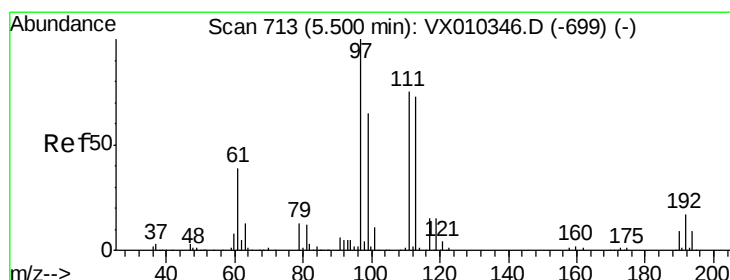
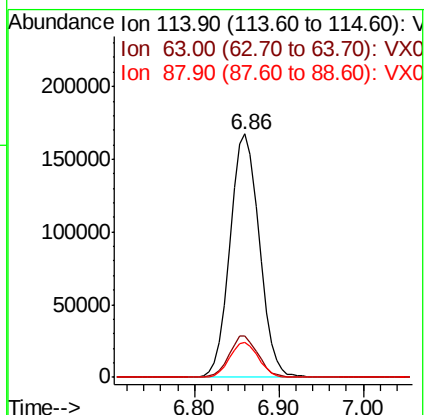
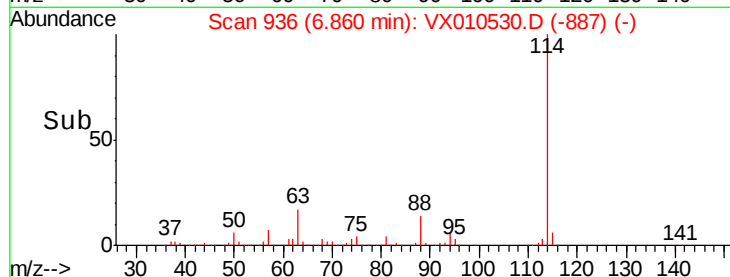
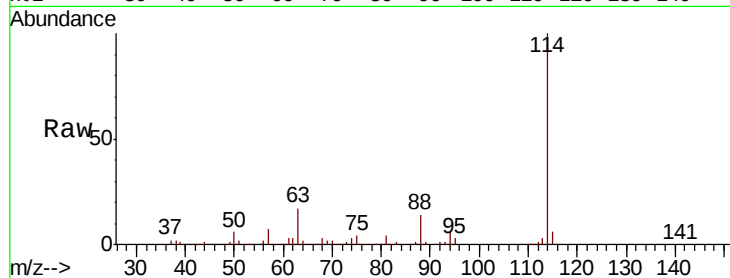
Tot Ion:114 Resp: 394682

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.8

88 14.2 0.0 27.6



#35

Dibromofluoromethane

Concen: 49.762 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010530.D

Acq: 28 Jun 2019 12:41

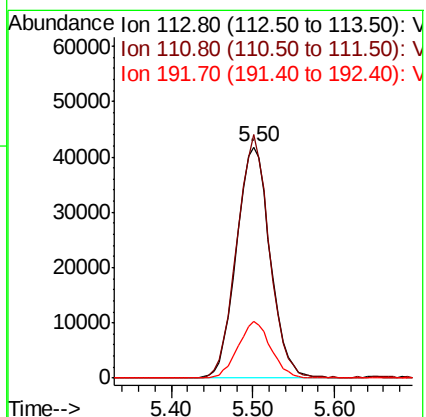
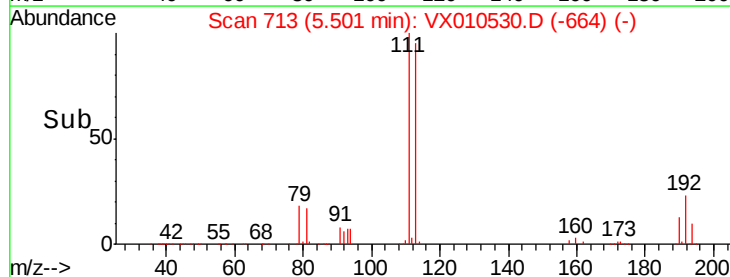
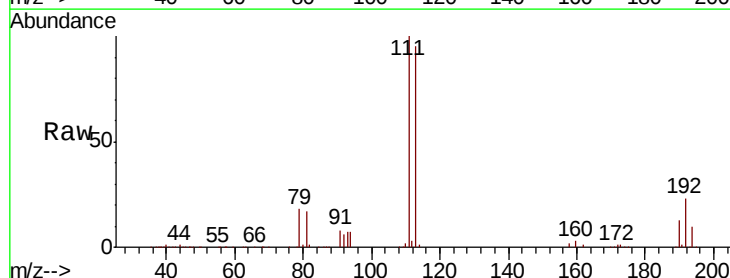
Tgt Ion:113 Resp: 120165

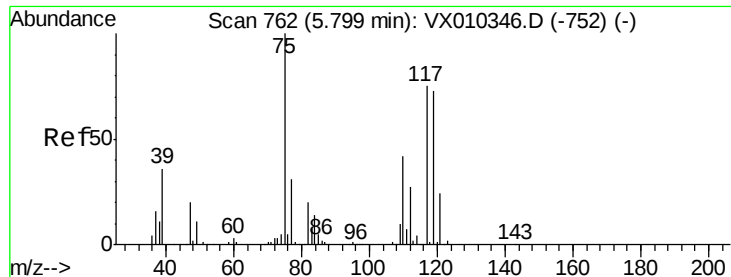
Ion Ratio Lower Upper

113 100

111 101.4 81.2 121.8

192 23.7 18.6 27.8





#36

1,1-Dichloropropene

Concen: 5.048 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010530.D

Acq: 28 Jun 2019 12:41

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STORAGE-BLANK-WATER-REF-5

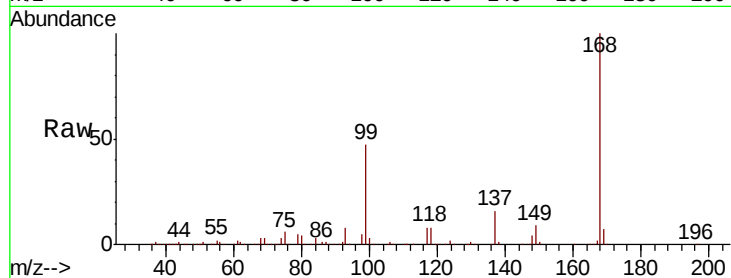
Tot Ion: 75 Resp: 15833

Ion Ratio Lower Upper

75 100

110 12.1 20.8 62.2#

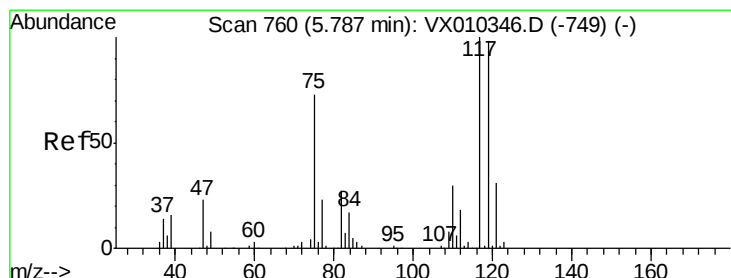
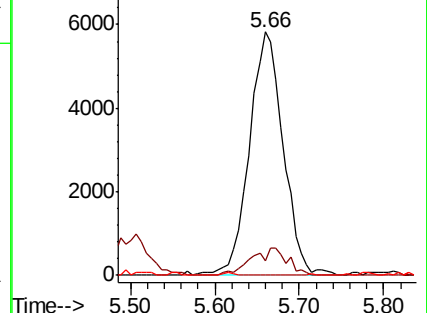
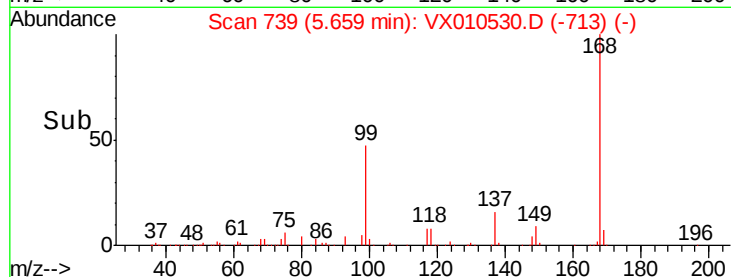
77 0.0 25.4 38.0#



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: 6.740 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010530.D

Acq: 28 Jun 2019 12:41

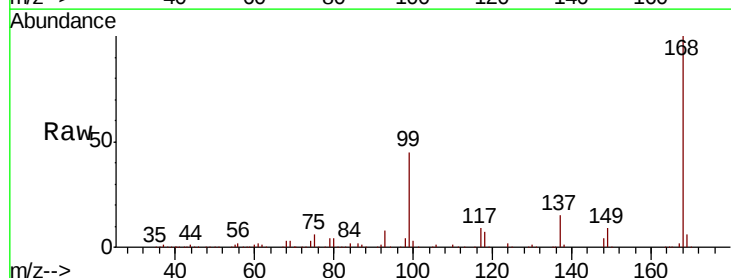
Tgt Ion: 117 Resp: 22890

Ion Ratio Lower Upper

117 100

119 4.5 78.2 117.4#

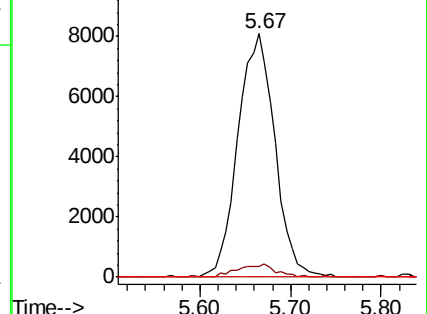
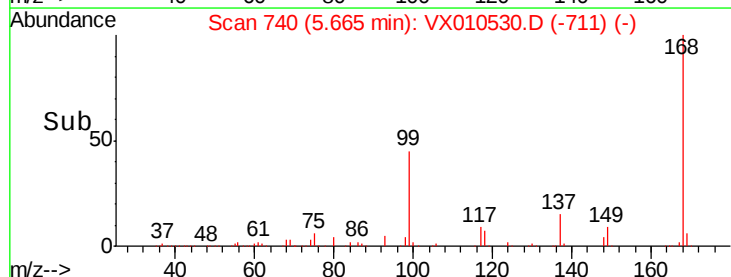
121 0.0 24.7 37.1#

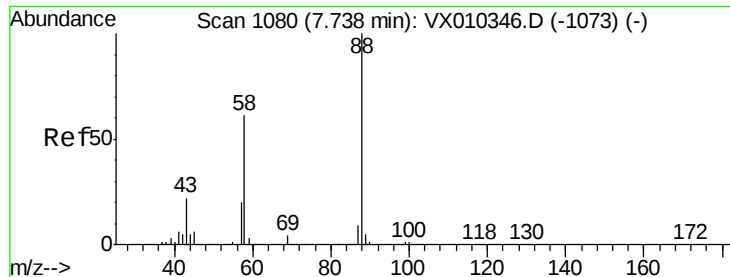


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

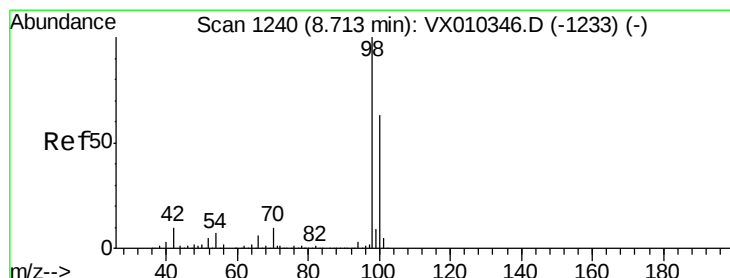
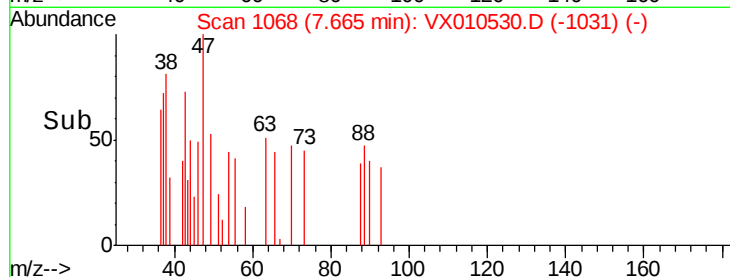
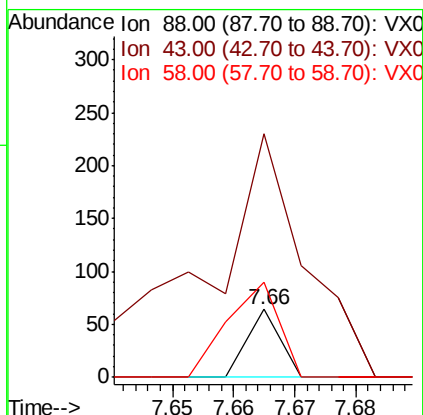
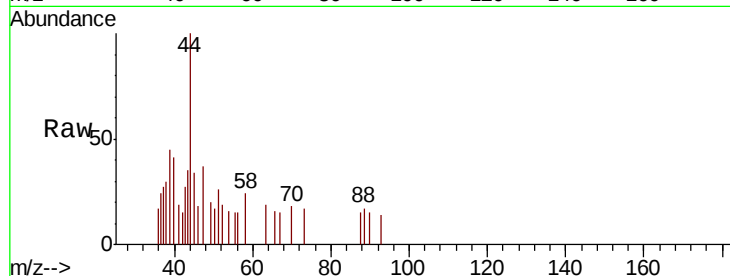




#49
1,4-Dioxane
Concen: 0.322 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. -0.07 min
Lab File: VX010530.D
Acq: 28 Jun 2019 12:41

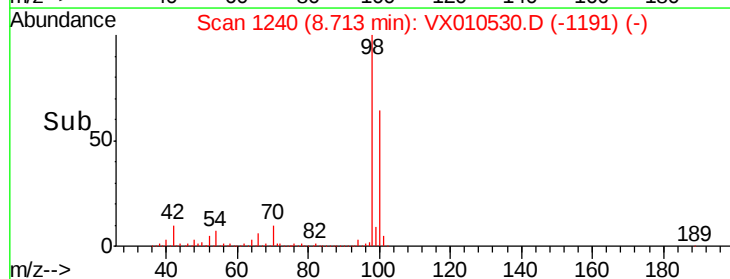
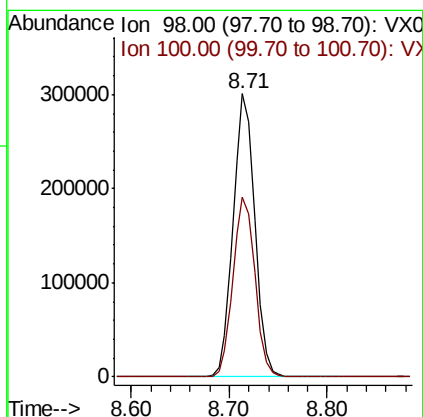
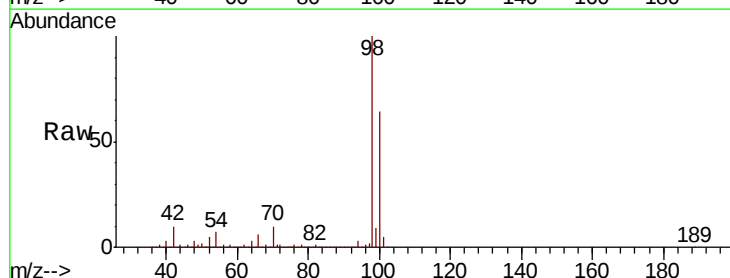
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

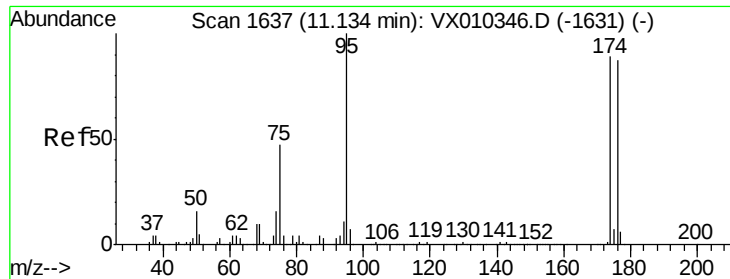
Tot Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 1069.6 20.2 30.2#
58 226.1 49.5 74.3#



#50
Toluene-d8
Concen: 50.100 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010530.D
Acq: 28 Jun 2019 12:41

Tgt Ion: 98 Resp: 462849
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4

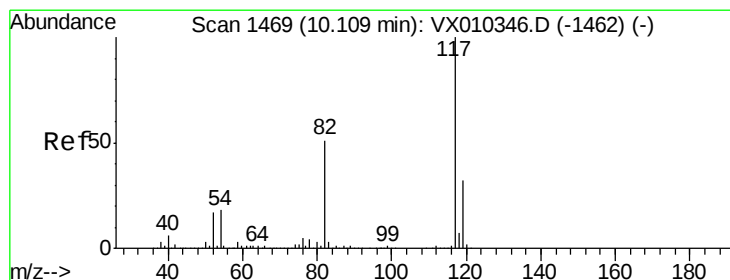
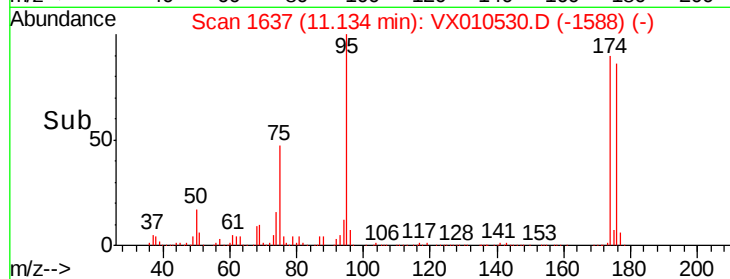
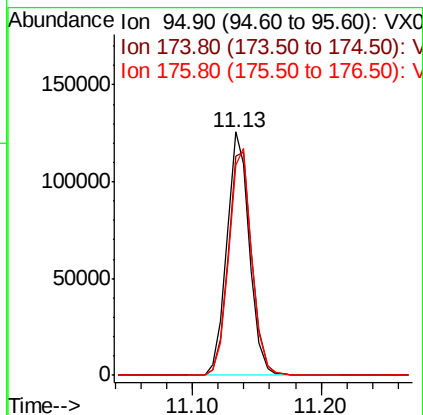
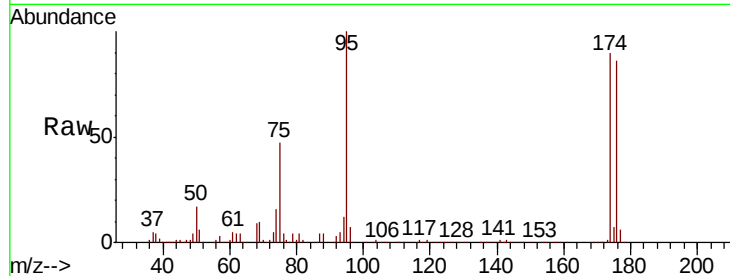




#62
4-Bromofluorobenzene
Concen: 46.457 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010530.D
Acq: 28 Jun 2019 12:41

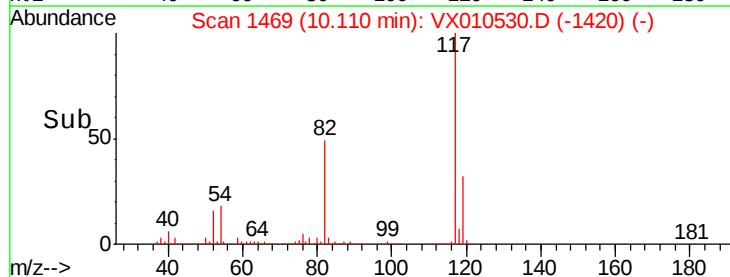
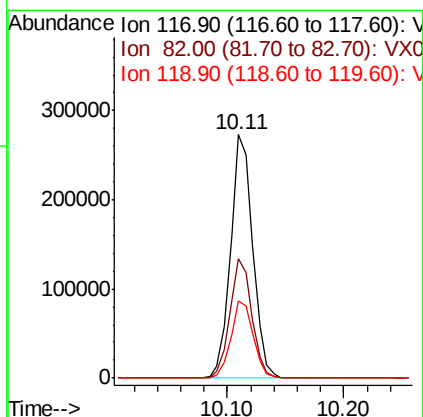
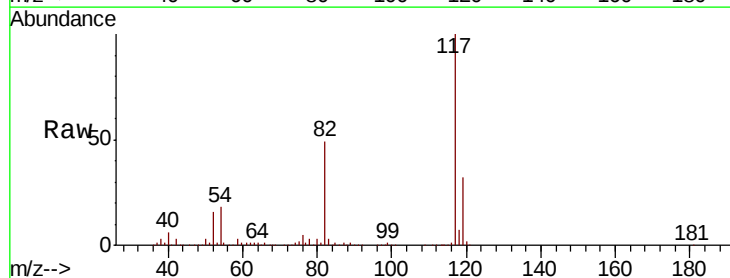
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

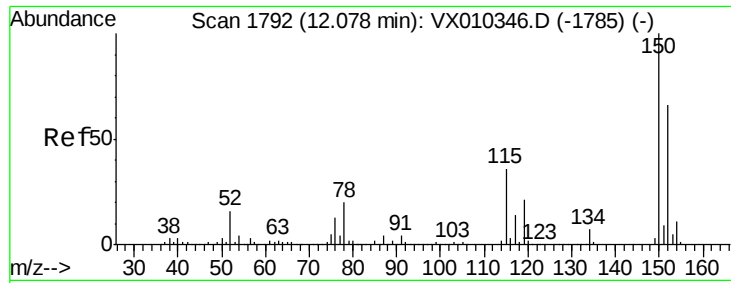
Tot Ion: 95 Resp: 154951
Ion Ratio Lower Upper
95 100
174 96.4 0.0 187.6
176 94.5 0.0 184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010530.D
Acq: 28 Jun 2019 12:41

Tgt Ion: 117 Resp: 360858
Ion Ratio Lower Upper
117 100
82 49.3 41.2 61.8
119 31.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010530.D

Acq: 28 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

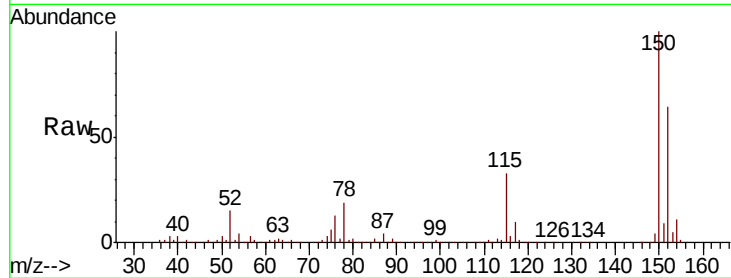
Tot Ion:152 Resp: 165939

Ion Ratio Lower Upper

152 100

115 54.3 38.6 115.7

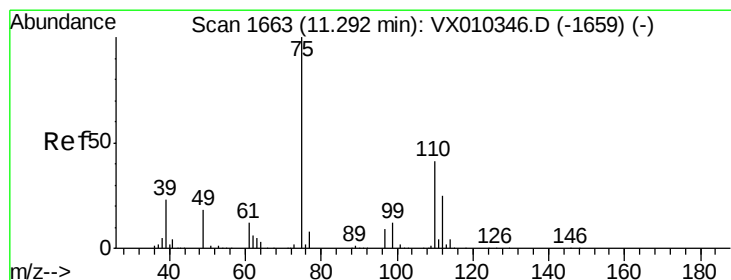
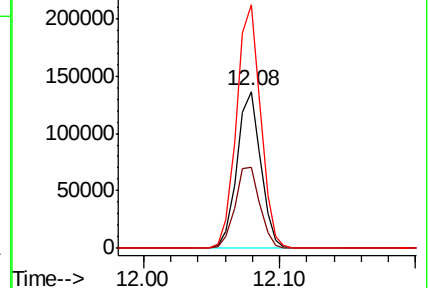
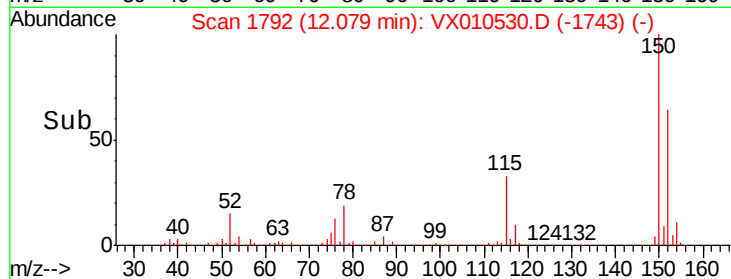
150 157.7 0.0 347.4



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: 24.013 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010530.D

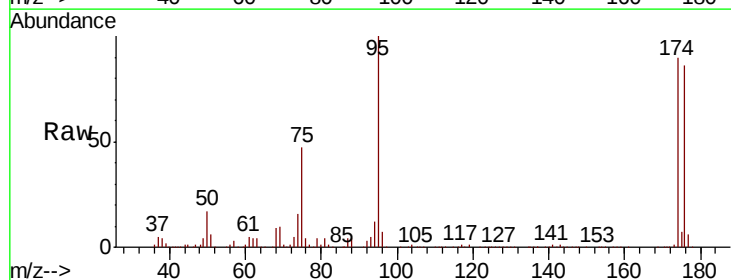
Acq: 28 Jun 2019 12:41

Tgt Ion: 75 Resp: 72613

Ion Ratio Lower Upper

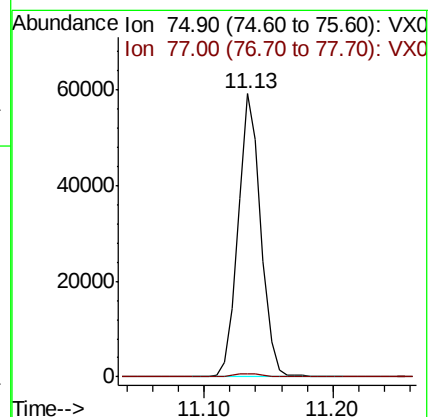
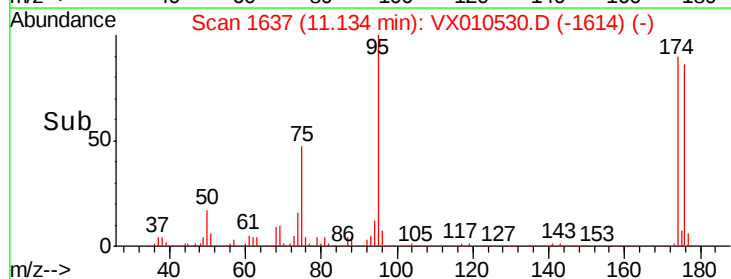
75 100

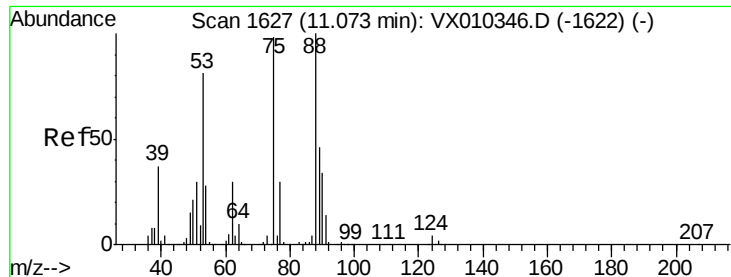
77 1.4 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 56.021 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010530.D

Acq: 28 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 72613

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.1 37.8 56.6#

