

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042619\
 Data File : VX009191.D
 Acq On : 26 Apr 2019 15:47
 Operator : JC/SP
 Sample : K2591-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Apr 27 04:03:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339243	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	293110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123058	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	139447	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
35) Dibromofluoromethane	5.50	113	103345	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
50) Toluene-d8	8.71	98	421895	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	11.13	95	140512	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	

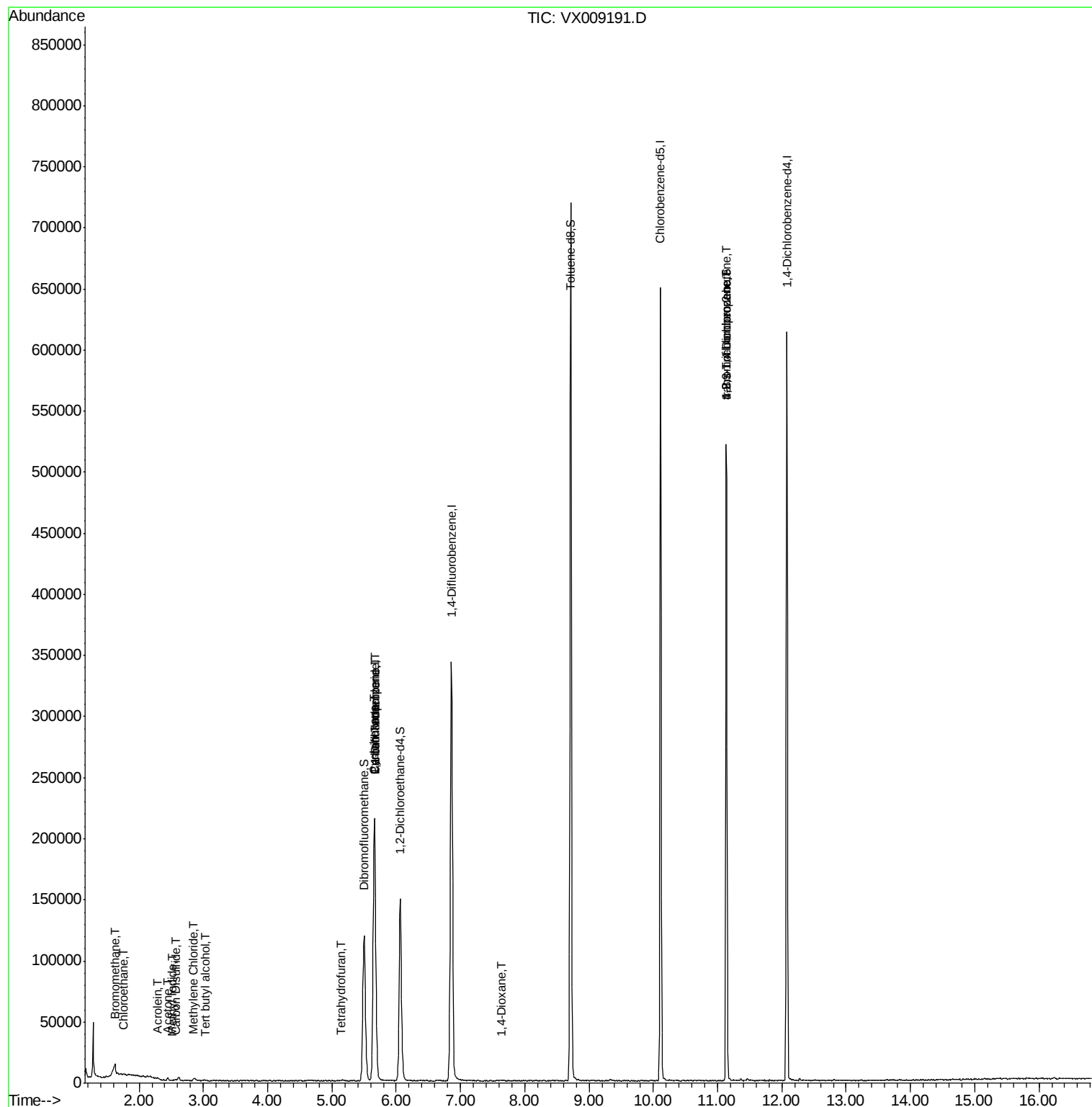
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	511	4.111	ug/l #	76
6) Chloroethane	1.75	64	717	0.426	ug/l #	68
10) Methyl Iodide	2.53	142	397	4.569	ug/l #	42
11) Tert butyl alcohol	3.03	59	489	0.752	ug/l #	94
13) Acrolein	2.29	56	173	0.308	ug/l #	1
16) Acetone	2.45	43	2698	1.775	ug/l	89
17) Carbon Disulfide	2.57	76	1033	1.406	ug/l #	76
20) Methylene Chloride	2.85	84	886	0.341	ug/l #	84
28) Bromochloromethane	4.99	49	149	Below Cal	#	21
29) Tetrahydrofuran	5.15	42	758	0.466	ug/l #	85
31) Cyclohexane	5.65	56	4651	0.996	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16261	4.635	ug/l #	50
38) Carbon Tetrachloride	5.66	117	19657	6.609	ug/l #	17
49) 1,4-Dioxane	7.64	88	22	0.327	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	70623	23.503	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70623	60.339	ug/l #	11

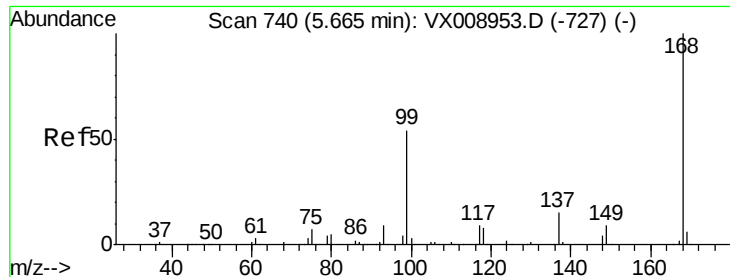
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042619\
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STORAGE-BLANK-WATER-REF-5

Quant Time: Apr 27 04:03:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009191.D

Acq: 26 Apr 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

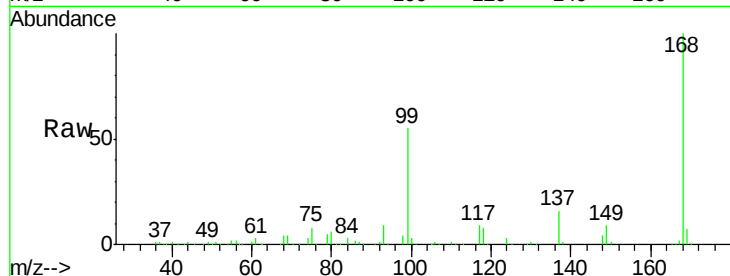
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 208002

Ion Ratio Lower Upper

168 100

99 55.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

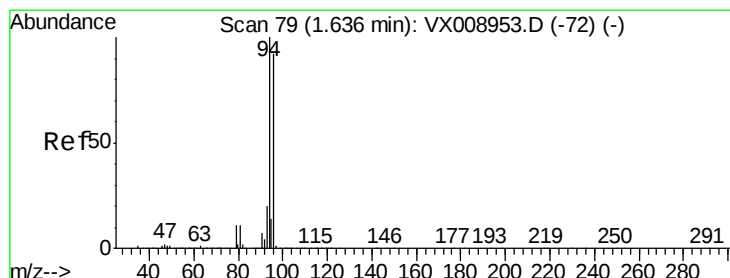
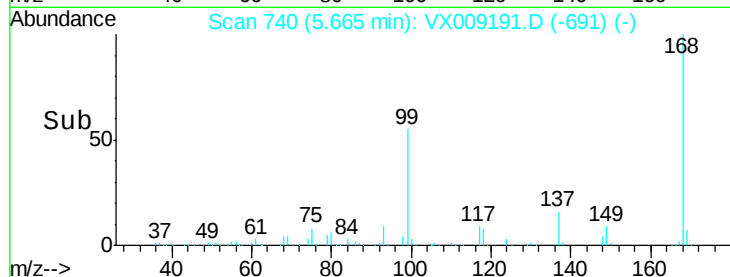
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.111 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009191.D

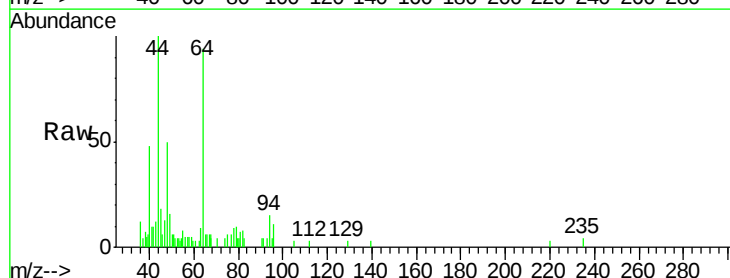
Acq: 26 Apr 2019 15:47

Tgt Ion: 94 Resp: 511

Ion Ratio Lower Upper

94 100

96 69.5 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

250

200

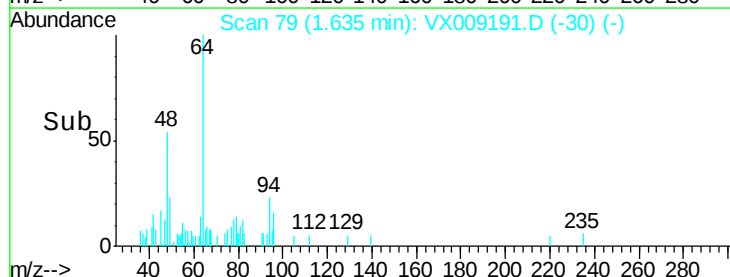
150

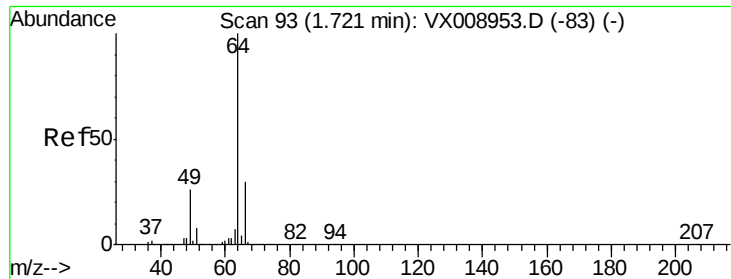
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.426 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.03 min

Lab File: VX009191.D

Acq: 26 Apr 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

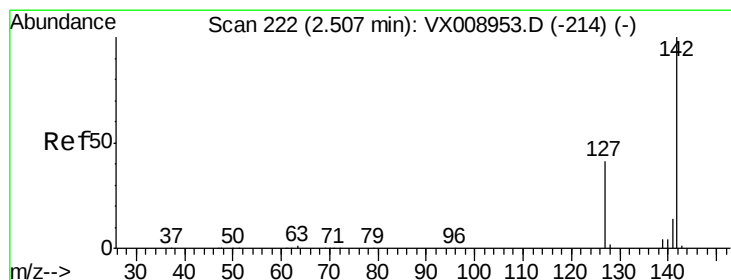
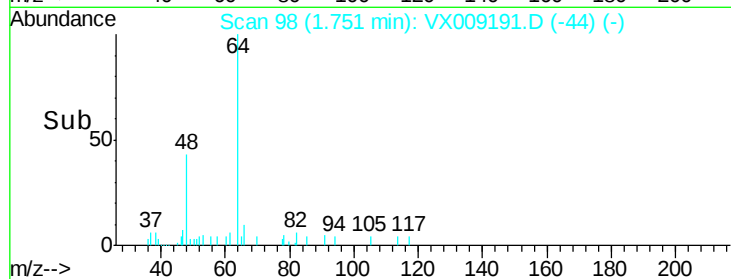
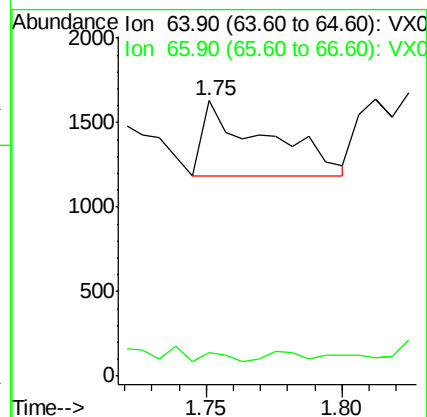
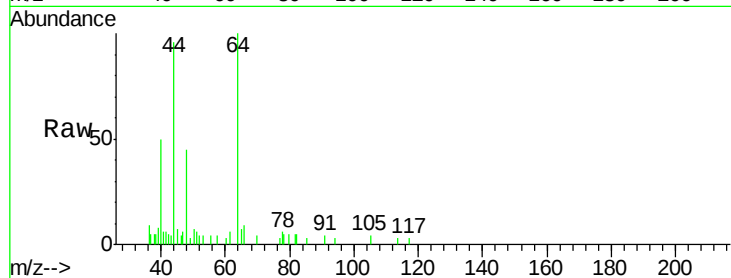
STORAGE-BLANK-WATER-REF-5

Tot Ion: 64 Resp: 717

Ion Ratio Lower Upper

64 100

66 12.8 24.2 36.2#



#10

Methyl Iodide

Concen: 4.569 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX009191.D

Acq: 26 Apr 2019 15:47

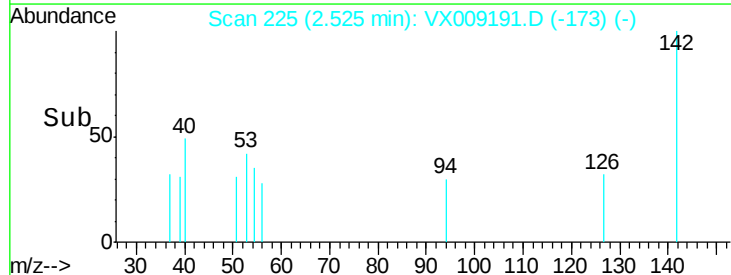
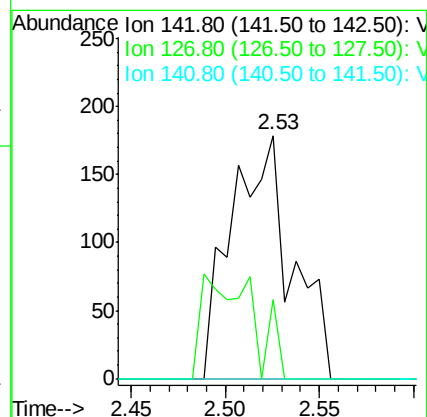
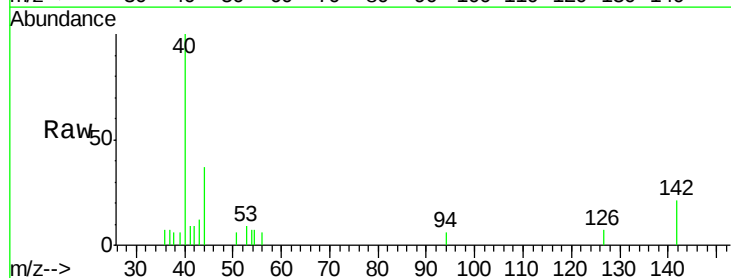
Tgt Ion: 142 Resp: 397

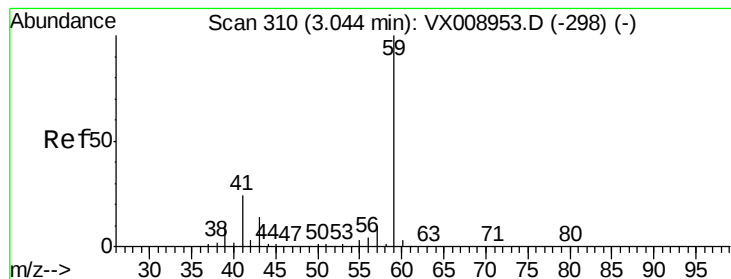
Ion Ratio Lower Upper

142 100

127 0.0 32.8 49.2#

141 0.0 11.4 17.2#



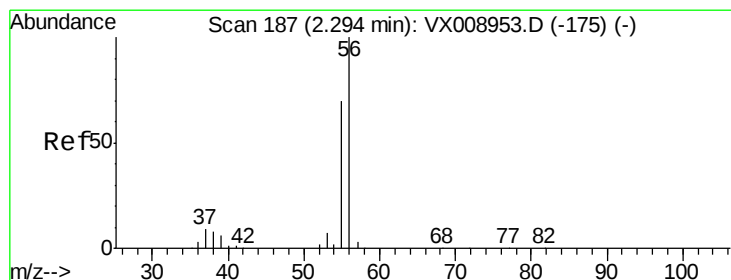
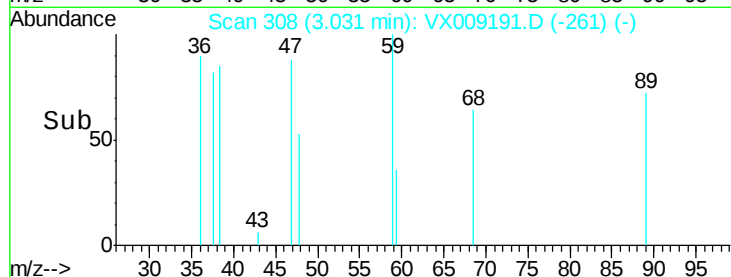
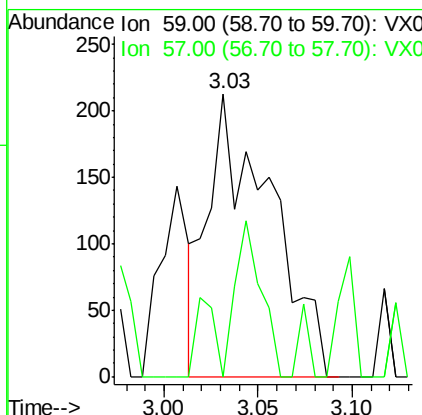
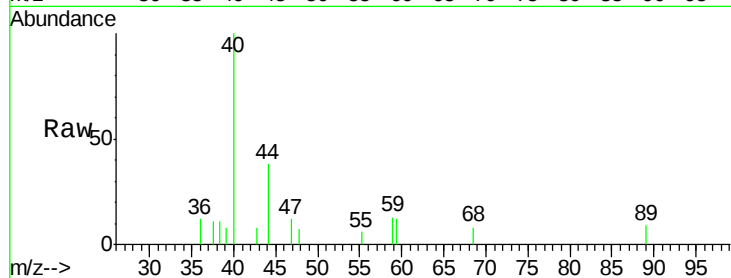


#11

Tert butyl alcohol
 Concen: 0.752 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VX009191.D
 Acq: 26 Apr 2019 15:47

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

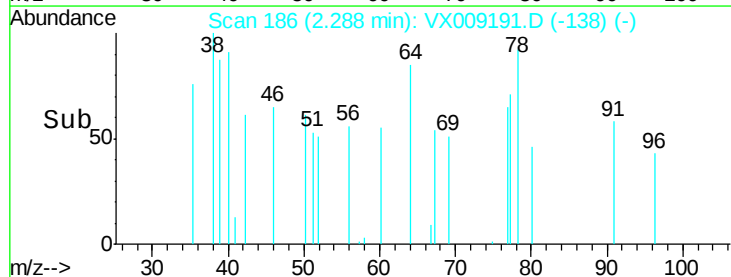
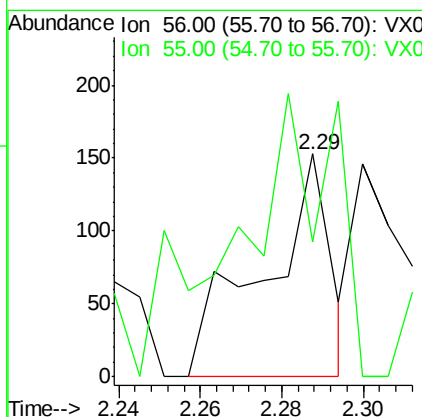
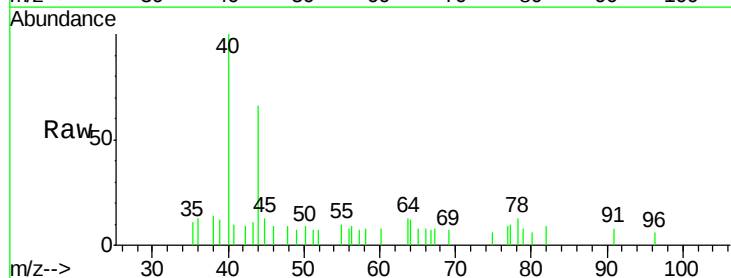
Tot Ion: 59 Resp: 489
 Ion Ratio Lower Upper
 59 100
 57 8.4 8.4 12.6#

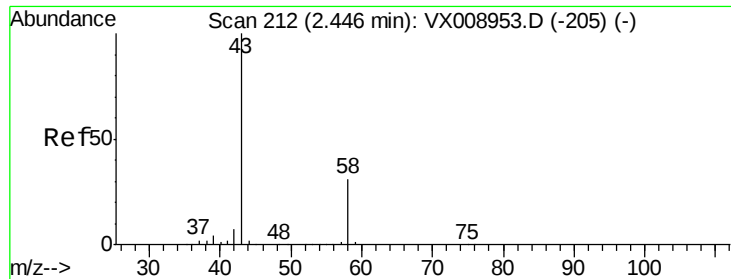


#13

Acrolein
 Concen: 0.308 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX009191.D
 Acq: 26 Apr 2019 15:47

Tgt Ion: 56 Resp: 173
 Ion Ratio Lower Upper
 56 100
 55 187.9 56.6 84.8#





#16

Acetone

Concen: 1.775 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009191.D

Acq: 26 Apr 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

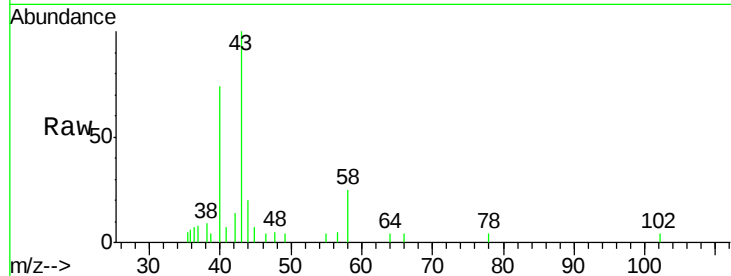
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 2698

Ion Ratio Lower Upper

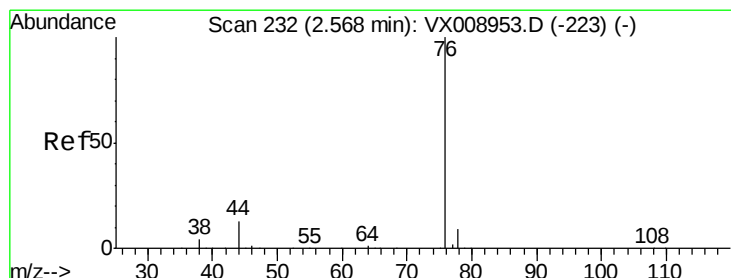
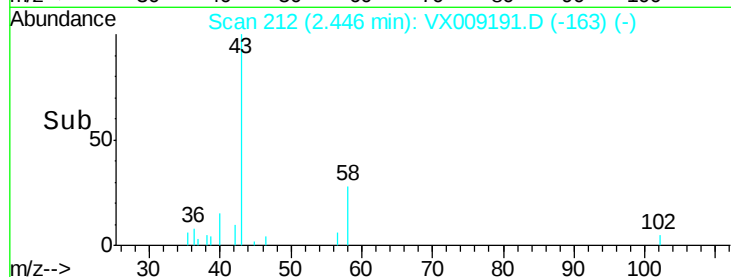
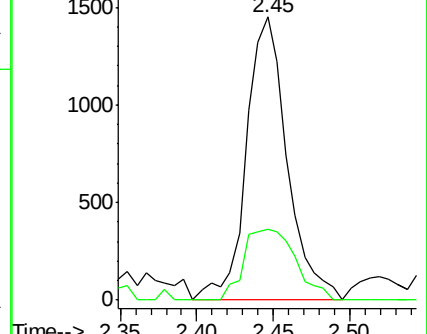
43 100

58 25.2 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.406 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009191.D

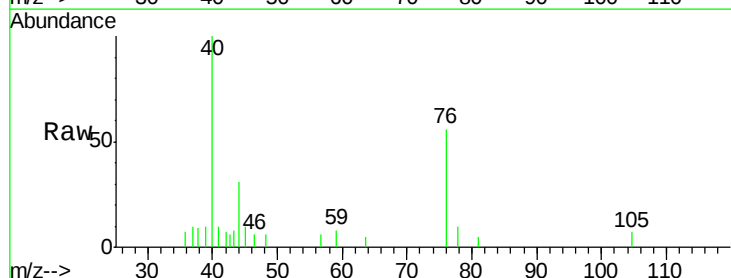
Acq: 26 Apr 2019 15:47

Tgt Ion: 76 Resp: 1033

Ion Ratio Lower Upper

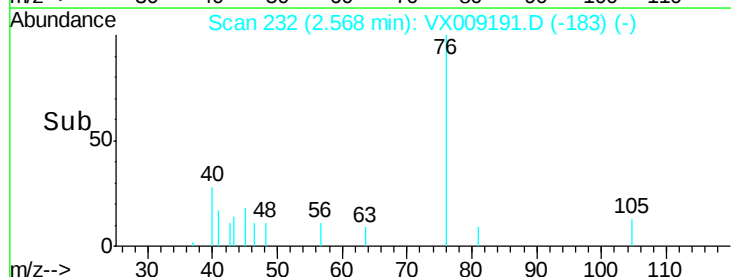
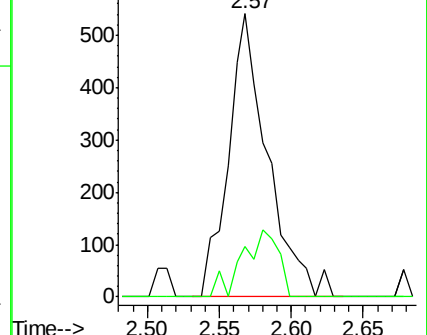
76 100

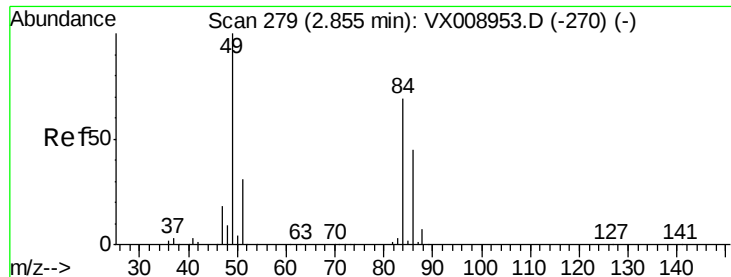
78 17.7 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

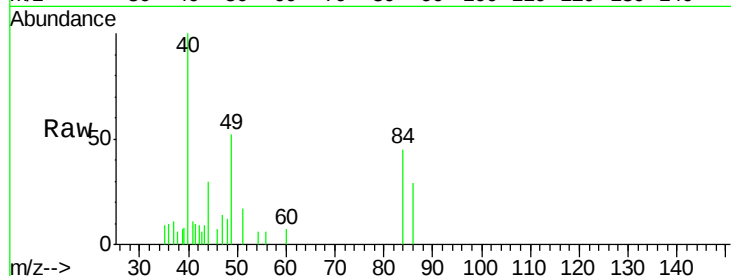




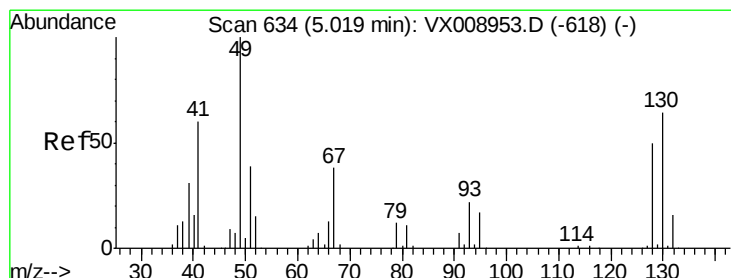
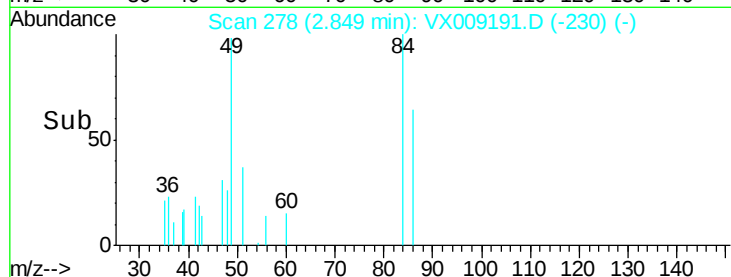
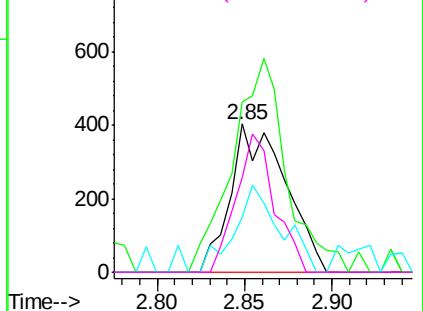
#20
Methvlene Chloride
Concen: 0.341 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX009191.D
Acq: 26 Apr 2019 15:47

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

Tot Ion: 84 Resp: 886
Ion Ratio Lower Upper
84 100
49 115.1 115.4 173.0#
51 37.0 35.8 53.6
86 63.8 52.1 78.1

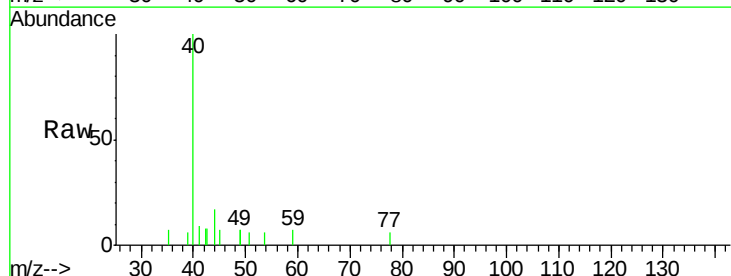


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

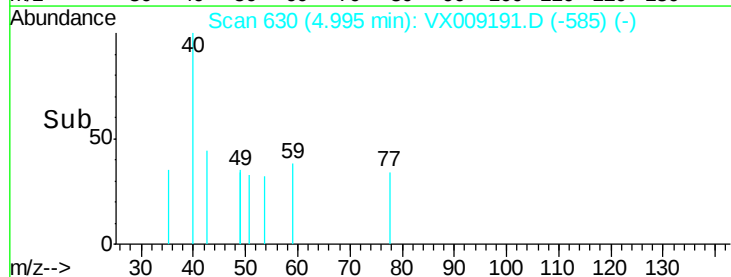
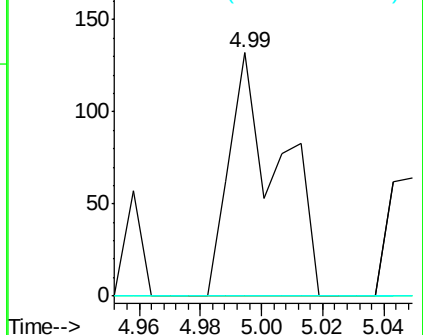


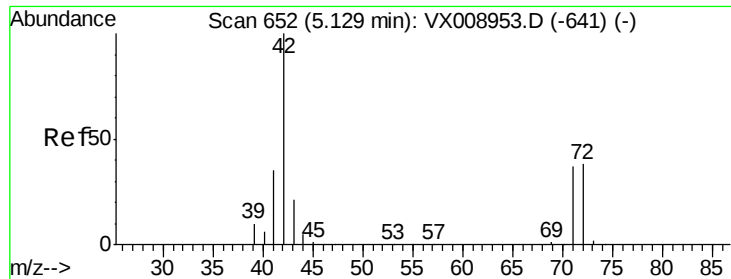
#28
Bromochloromethane
Concen: Below Cal
RT: 4.99 min Scan# 630
Delta R.T. -0.02 min
Lab File: VX009191.D
Acq: 26 Apr 2019 15:47

Tgt Ion: 49 Resp: 149
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 50.4 75.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.466 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX009191.D

Acq: 26 Apr 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

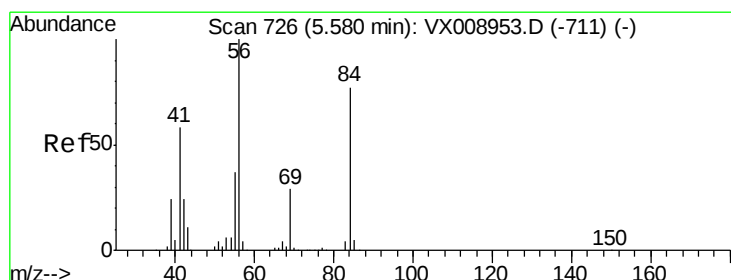
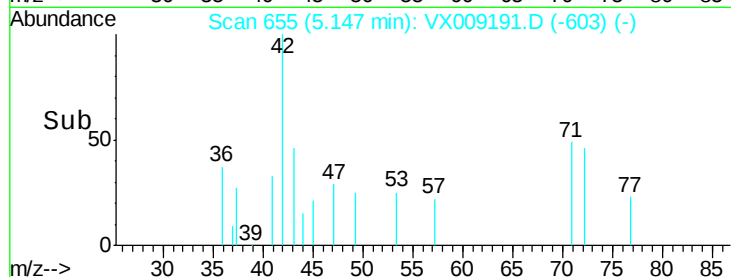
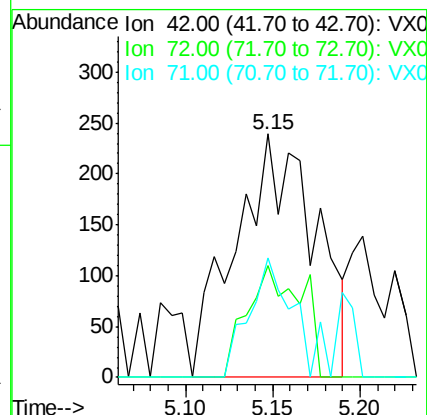
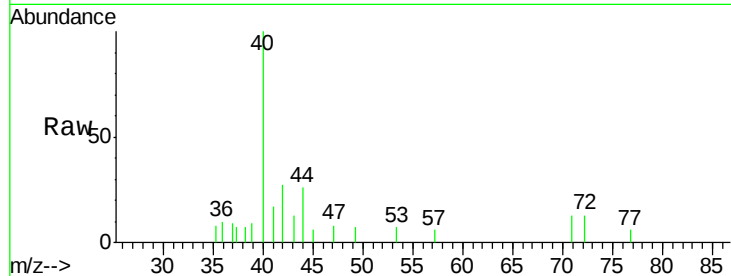
Tot Ion: 42 Resp: 758

Ion Ratio Lower Upper

42 100

72 31.3 30.6 45.8

71 25.3 28.8 43.2#



#31

Cyclohexane

Concen: 0.996 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009191.D

Acq: 26 Apr 2019 15:47

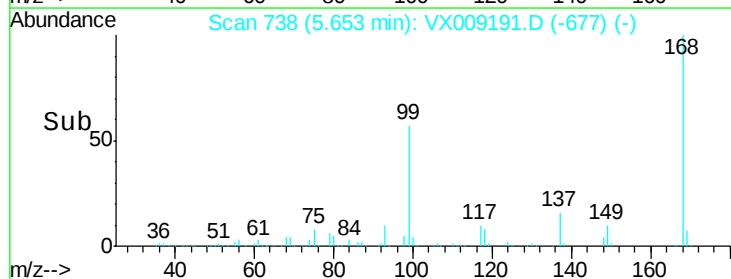
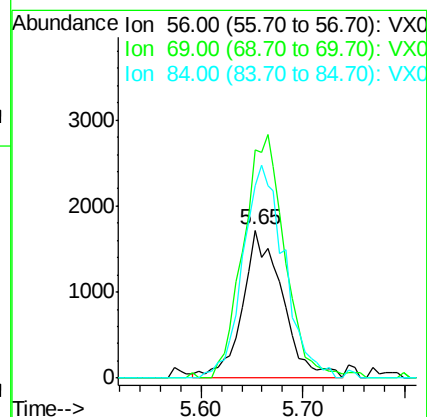
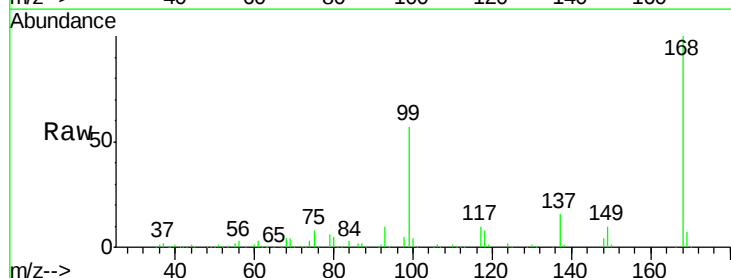
Tgt Ion: 56 Resp: 4651

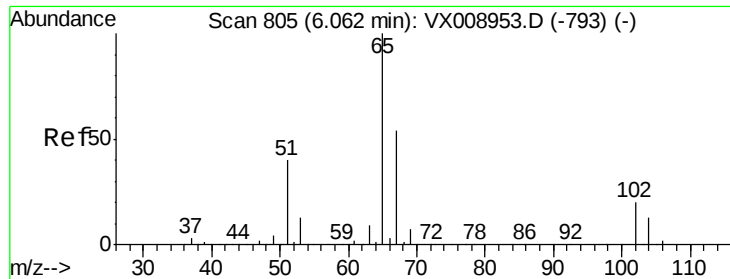
Ion Ratio Lower Upper

56 100

69 151.4 23.3 34.9#

84 129.8 61.7 92.5#

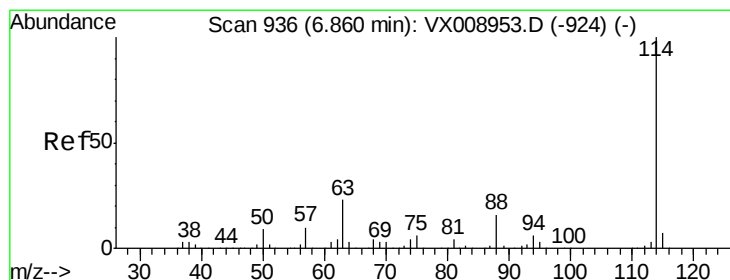
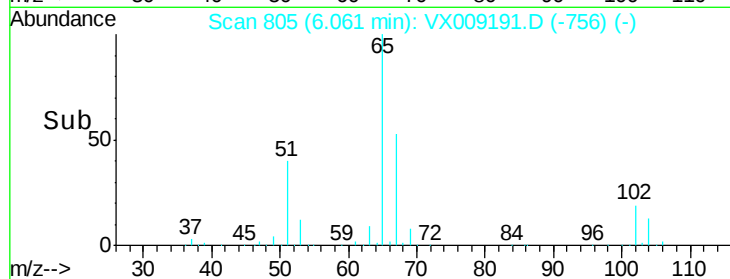
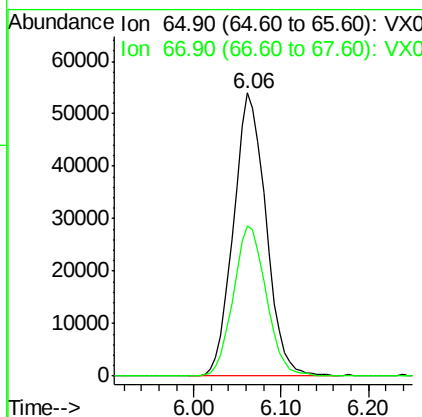
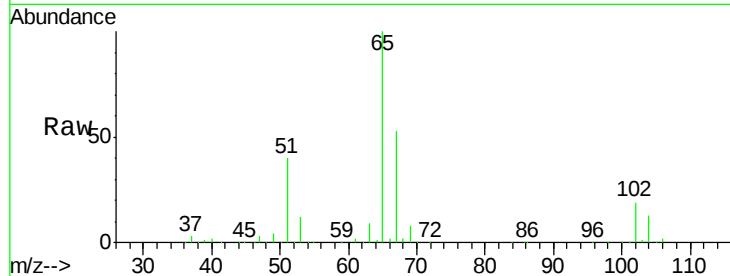




#33
 1,2-Dichloroethane-d4
 Concen: 47.571 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009191.D
 Acq: 26 Apr 2019 15:47

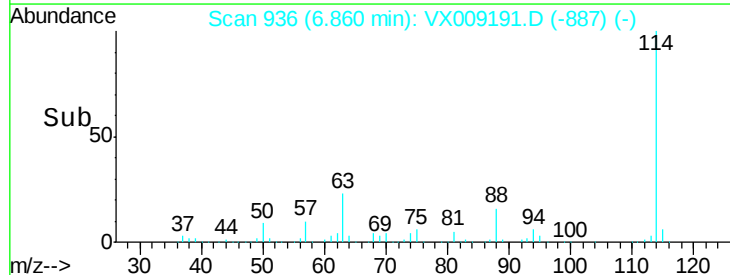
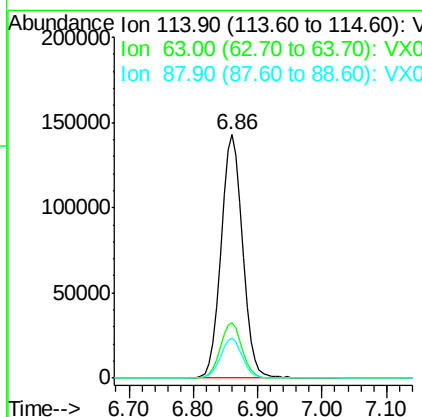
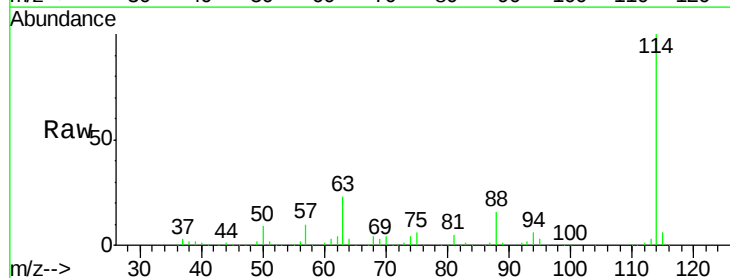
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

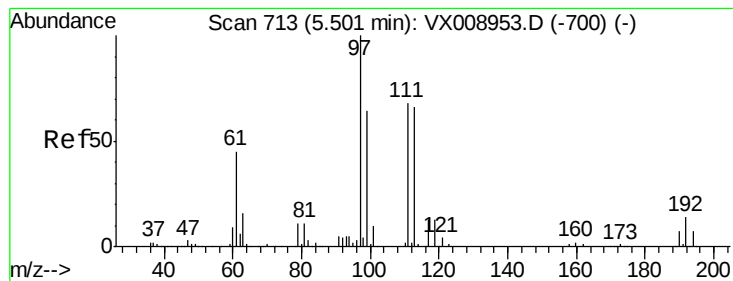
Tot Ion: 65 Resp: 139447
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009191.D
 Acq: 26 Apr 2019 15:47

Tgt Ion: 114 Resp: 339243
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 46.0
 88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.467 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009191.D

Acq: 26 Apr 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

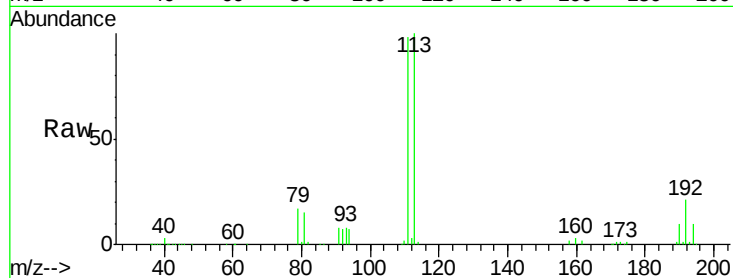
Tot Ion:113 Resp: 103345

Ion Ratio Lower Upper

113 100

111 101.4 82.9 124.3

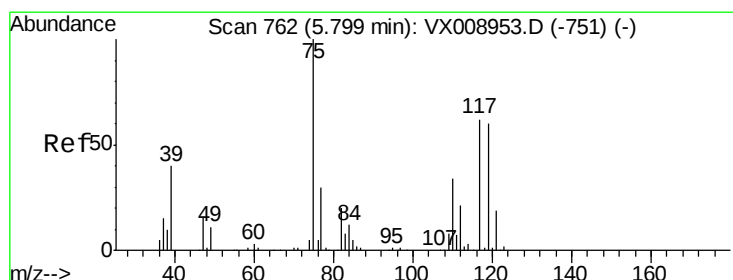
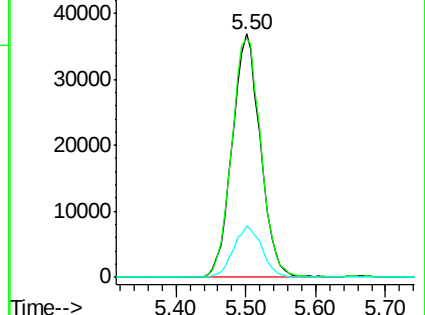
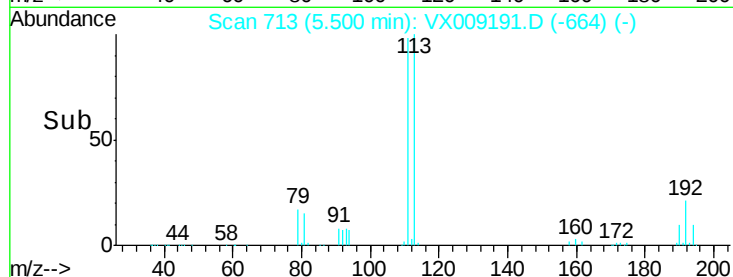
192 21.3 17.4 26.0



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: 4.635 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009191.D

Acq: 26 Apr 2019 15:47

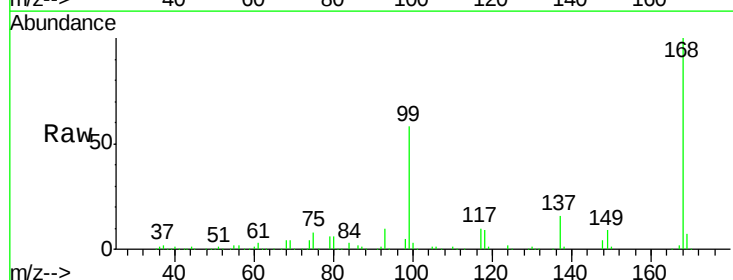
Tgt Ion: 75 Resp: 16261

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

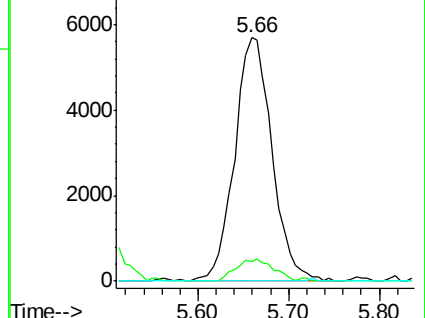
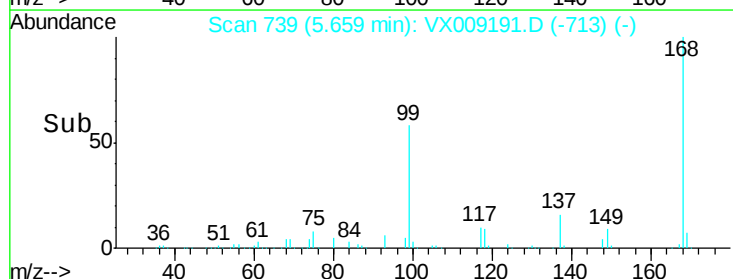
77 0.0 25.0 37.4#

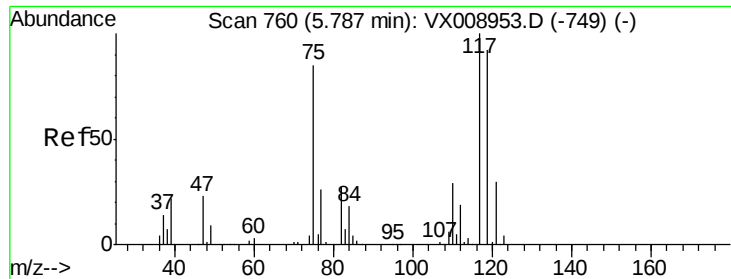


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.609 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009191.D

Acq: 26 Apr 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

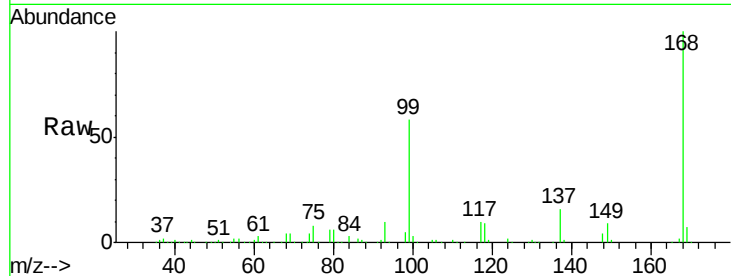
Tot Ion:117 Resp: 19657

Ion Ratio Lower Upper

117 100

119 5.0 73.8 110.8#

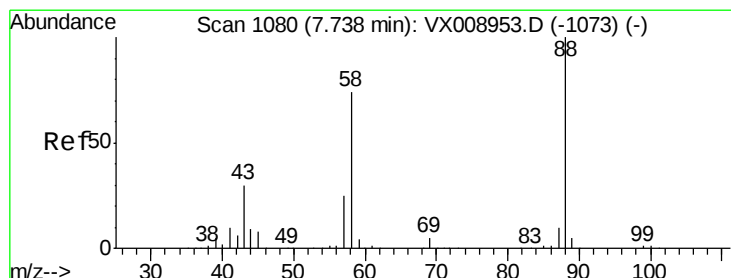
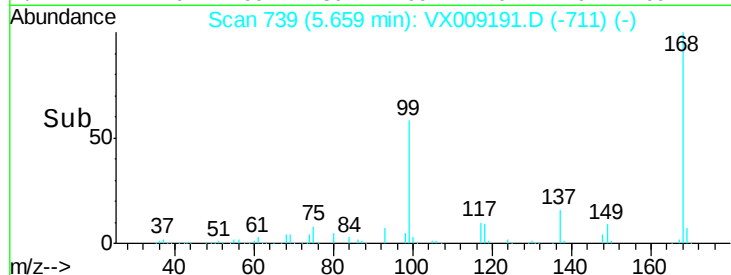
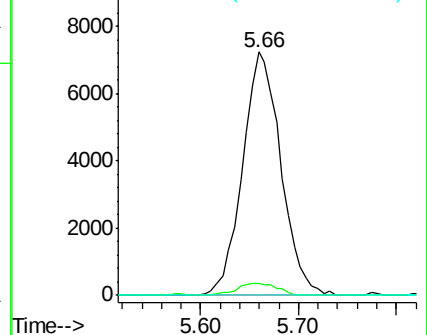
121 0.0 23.6 35.4#



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: 0.327 ug/l

RT: 7.64 min Scan# 1064

Delta R.T. -0.10 min

Lab File: VX009191.D

Acq: 26 Apr 2019 15:47

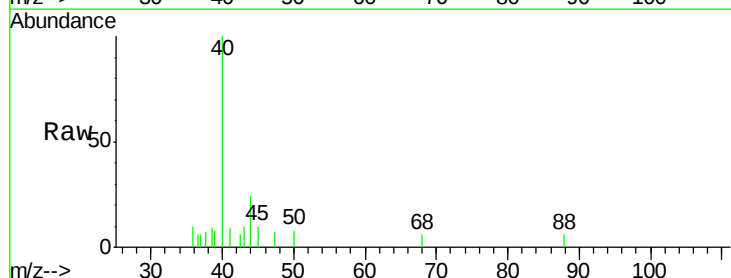
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 459.1 29.3 43.9#

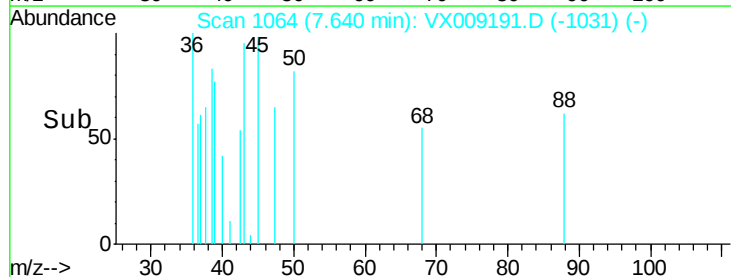
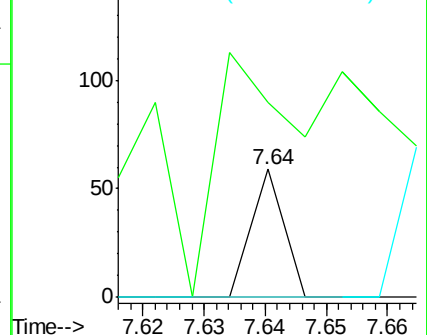
58 0.0 62.6 93.8#

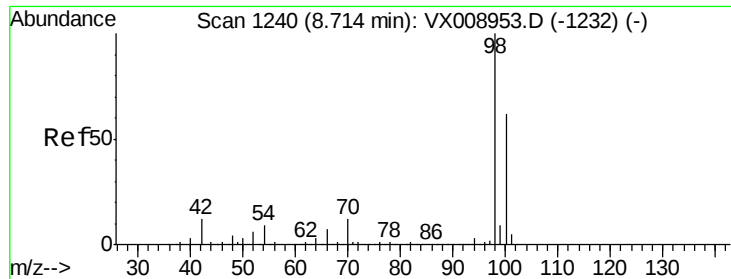


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

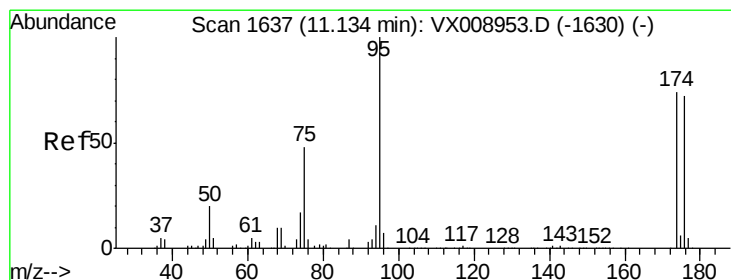
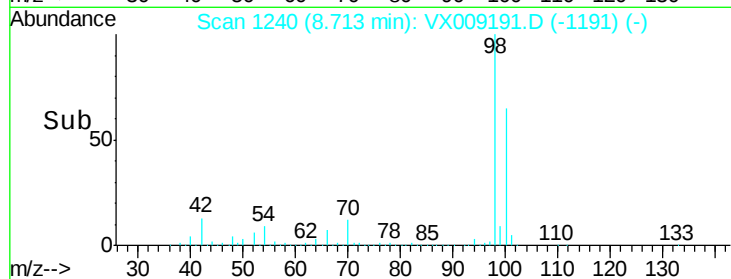
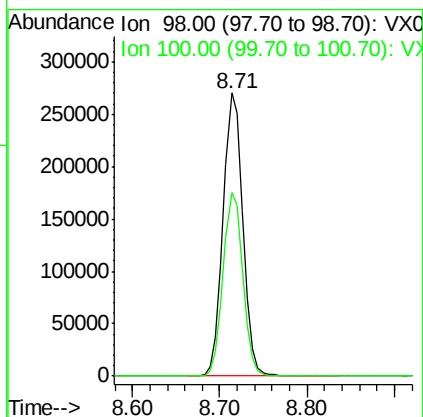
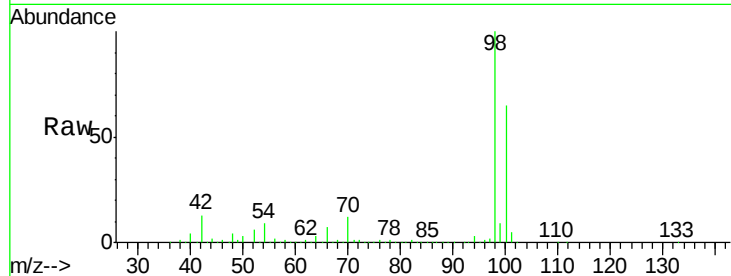




#50
Toluene-d8
Concen: 48.590 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009191.D
Acq: 26 Apr 2019 15:47

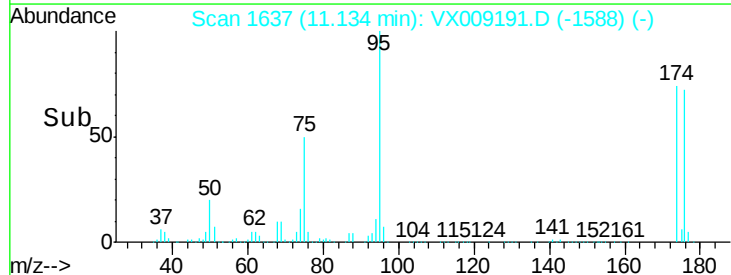
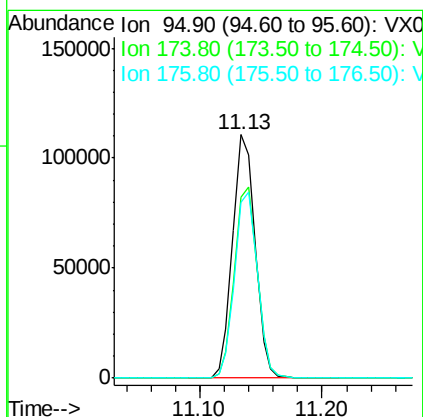
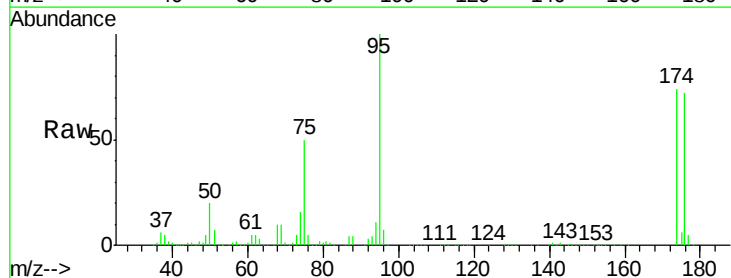
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

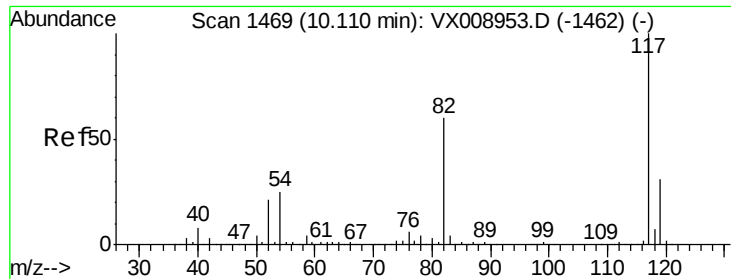
Tot Ion: 98 Resp: 421895
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 45.844 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009191.D
Acq: 26 Apr 2019 15:47

Tgt Ion: 95 Resp: 140512
Ion Ratio Lower Upper
95 100
174 79.6 0.0 159.6
176 77.8 0.0 154.8

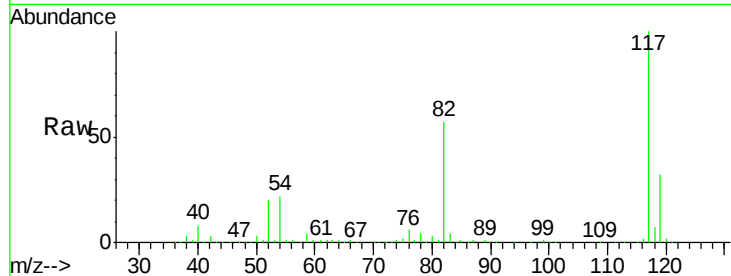




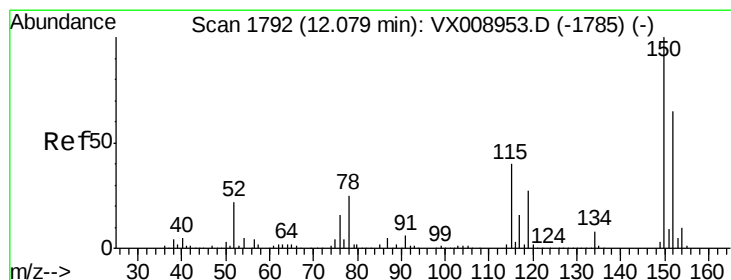
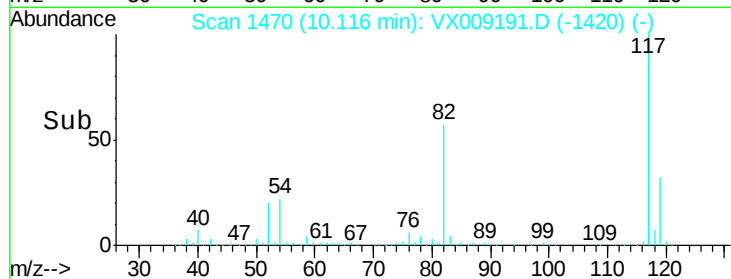
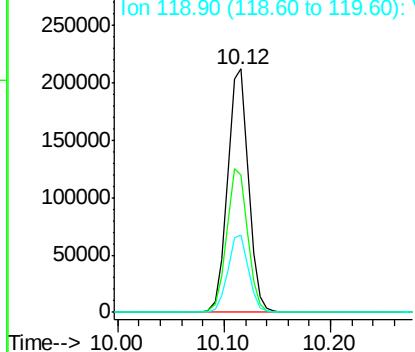
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VX009191.D
 Acq: 26 Apr 2019 15:47

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

Tot Ion:117 Resp: 293110
 Ion Ratio Lower Upper
 117 100
 82 56.6 48.2 72.4
 119 31.8 25.0 37.6

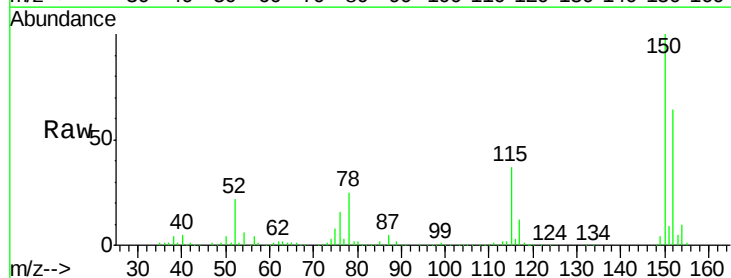


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 118.90 (118.60 to 119.60): V

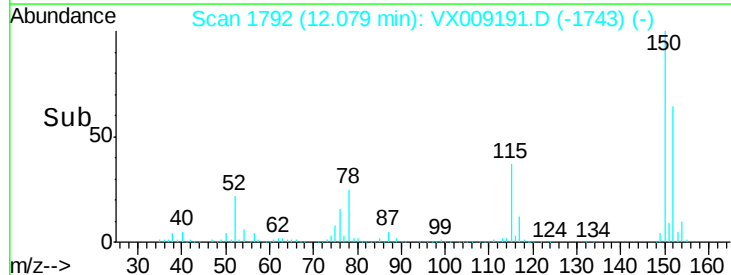
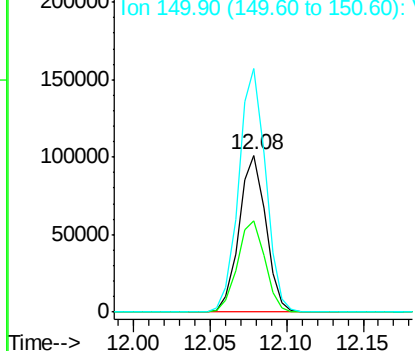


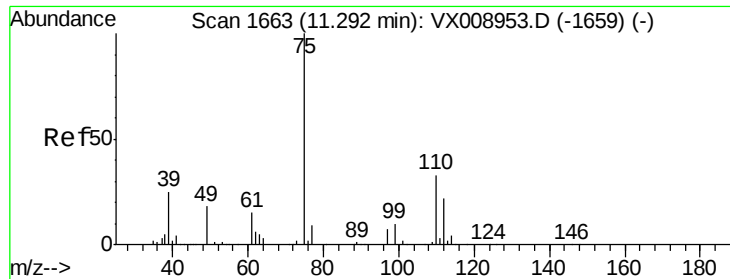
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX009191.D
 Acq: 26 Apr 2019 15:47

Tgt Ion:152 Resp: 123058
 Ion Ratio Lower Upper
 152 100
 115 59.5 41.4 124.2
 150 155.7 0.0 349.8



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

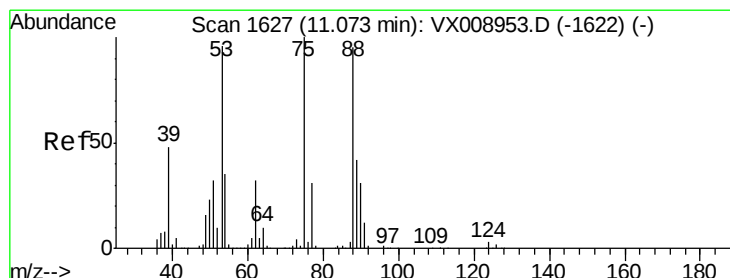
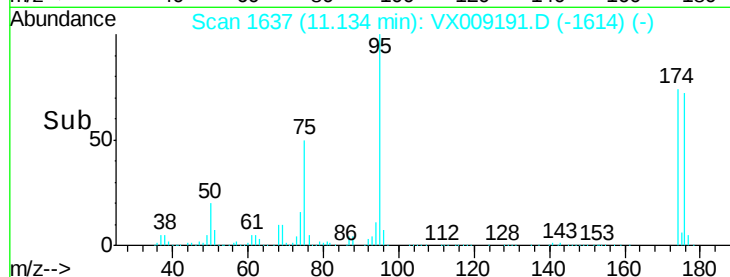
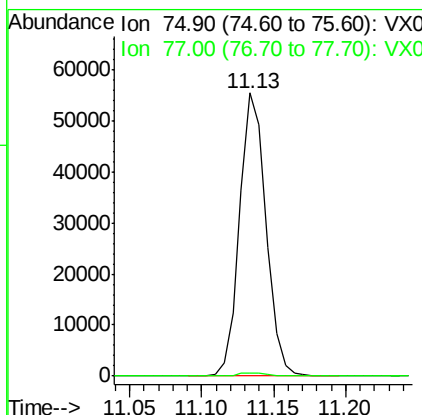
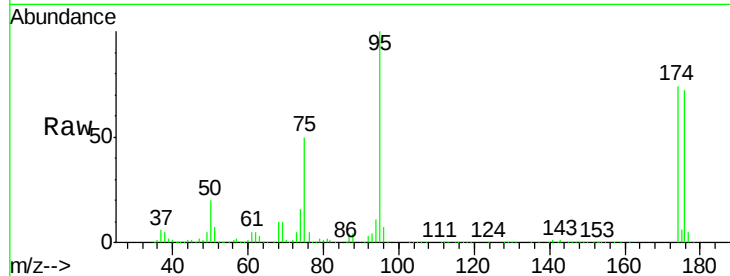




#76
 1,2,3-Trichloropropane
 Concen: 23.503 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009191.D
 Acq: 26 Apr 2019 15:47

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

Tot Ion: 75 Resp: 70623
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.7 68.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.339 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009191.D
 Acq: 26 Apr 2019 15:47

Tgt Ion: 75 Resp: 70623
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.0 36.0 54.0#

