

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042619\
 Data File : VX009195.D
 Acq On : 26 Apr 2019 17:20
 Operator : JC/SP
 Sample : K2591-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Apr 27 04:05:12 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

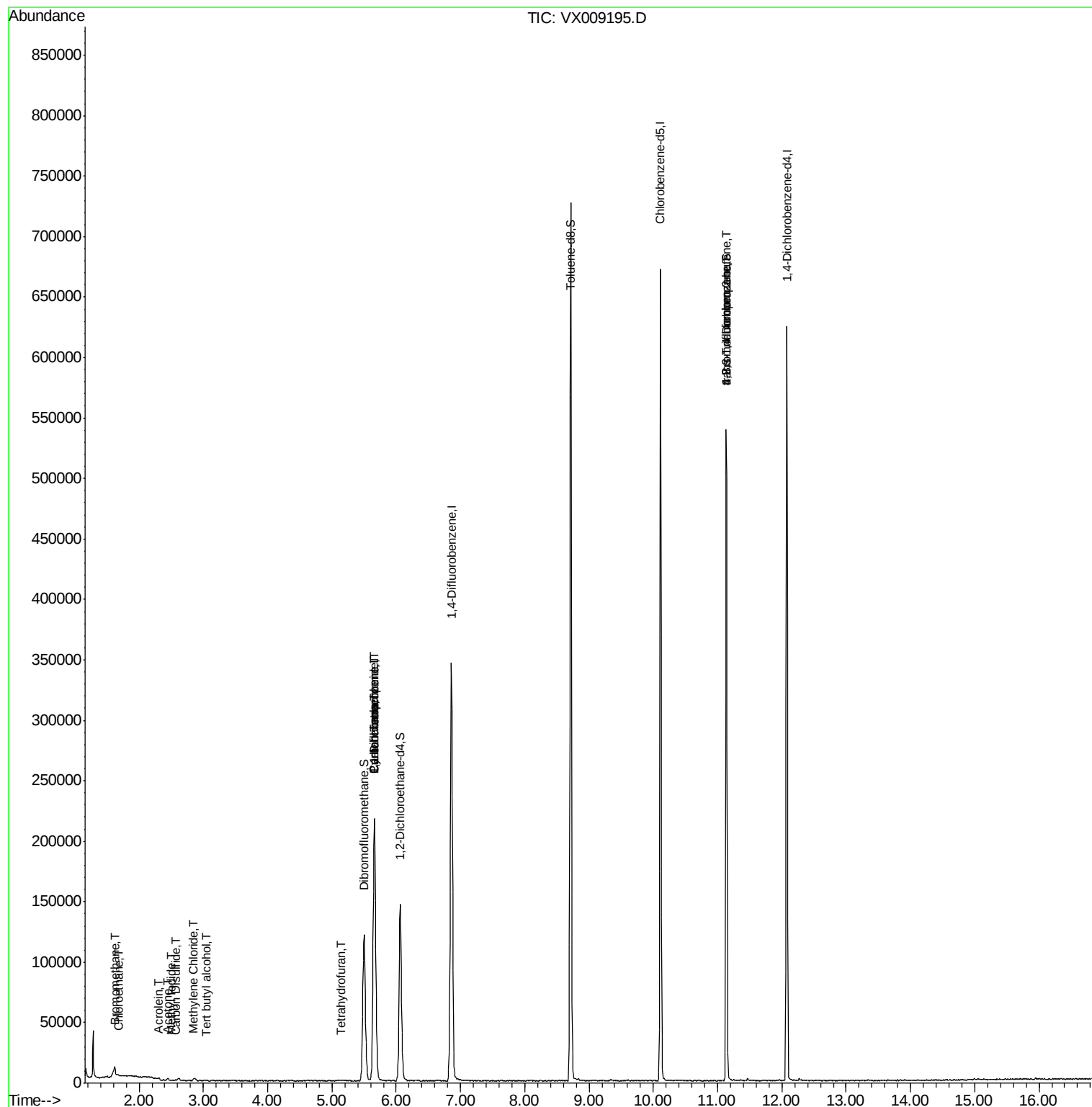
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	211091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340690	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	297311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128145	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	138728	46.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.26%	
35) Dibromofluoromethane	5.50	113	102367	46.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.64%	
50) Toluene-d8	8.71	98	423919	48.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	11.13	95	143135	46.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.00%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	549	4.127	ug/l	89
6) Chloroethane	1.69	64	3754	2.197	ug/l #	50
10) Methyl Iodide	2.51	142	362	4.554	ug/l #	68
11) Tert butyl alcohol	3.04	59	351	0.532	ug/l #	79
13) Acrolein	2.29	56	274	0.480	ug/l	96
16) Acetone	2.44	43	2701	1.751	ug/l	98
17) Carbon Disulfide	2.57	76	739	1.361	ug/l #	75
20) Methylene Chloride	2.85	84	891	0.338	ug/l #	84
28) Bromochloromethane	5.03	49	18	Below Cal	#	21
29) Tetrahydrofuran	5.14	42	591	0.358	ug/l #	86
31) Cyclohexane	5.65	56	4524	0.955	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16698	4.739	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20032	6.706	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	71237	22.766	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71237	58.448	ug/l #	11

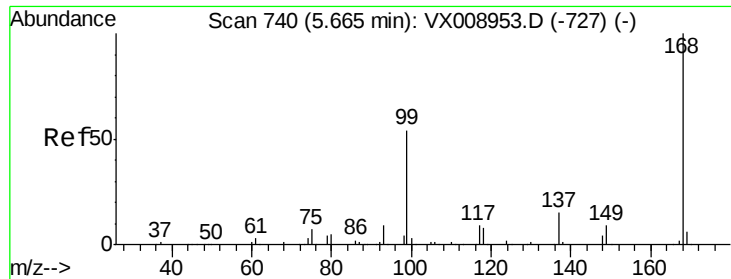
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 27 04:05:12 2019
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Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 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: VX009195.D

Acq: 26 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

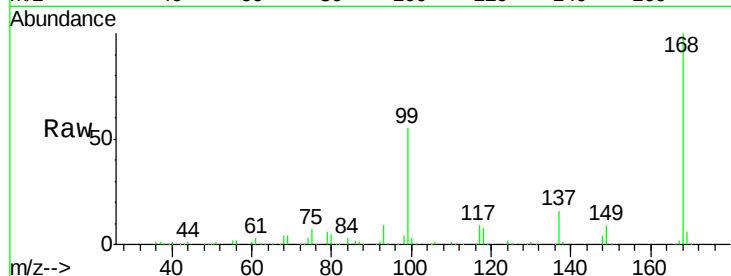
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 211091

Ion Ratio Lower Upper

168 100

99 54.9 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

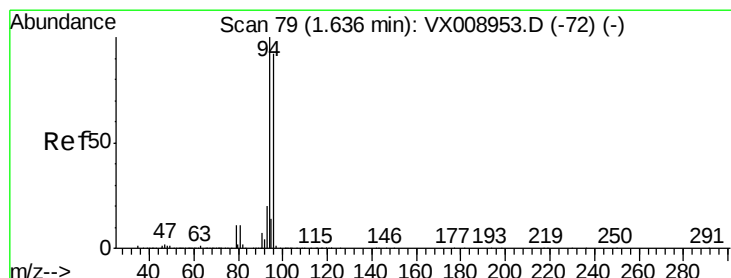
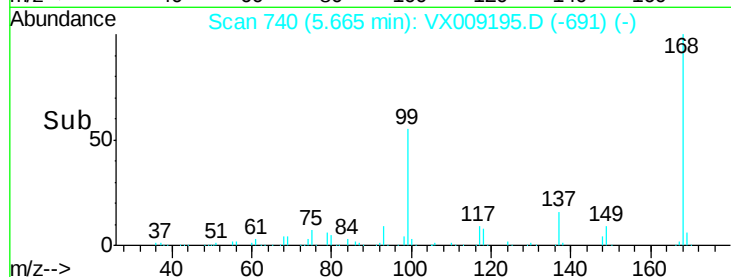
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.127 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009195.D

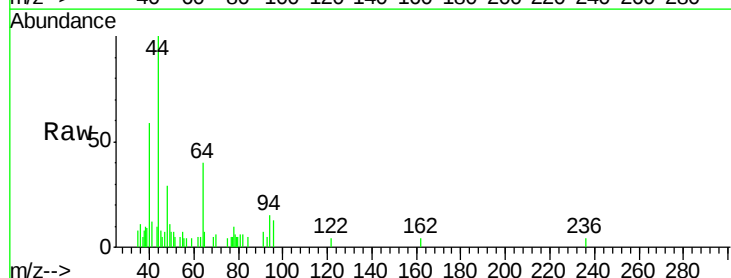
Acq: 26 Apr 2019 17:20

Tgt Ion: 94 Resp: 549

Ion Ratio Lower Upper

94 100

96 82.3 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

250

200

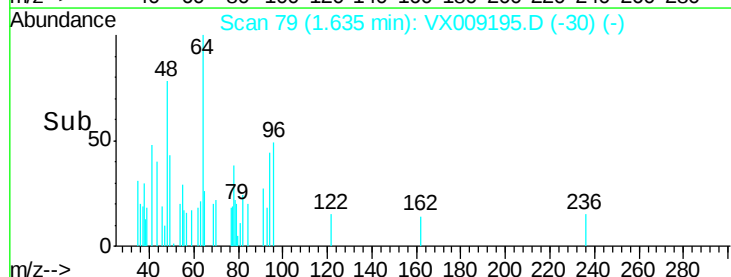
150

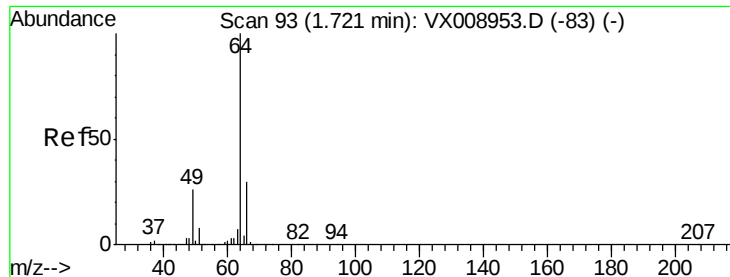
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 2.197 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.03 min

Lab File: VX009195.D

Acq: 26 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

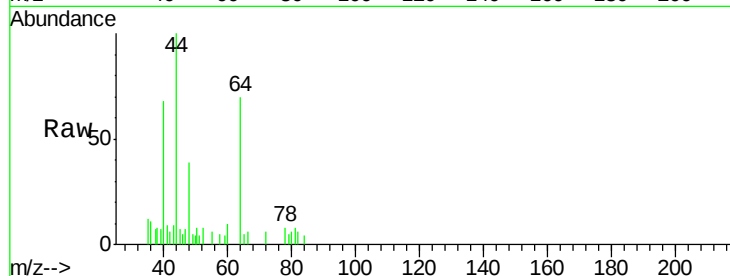
STORAGE-BLANK-WATER-REF-4

Tot Ion: 64 Resp: 3754

Ion Ratio Lower Upper

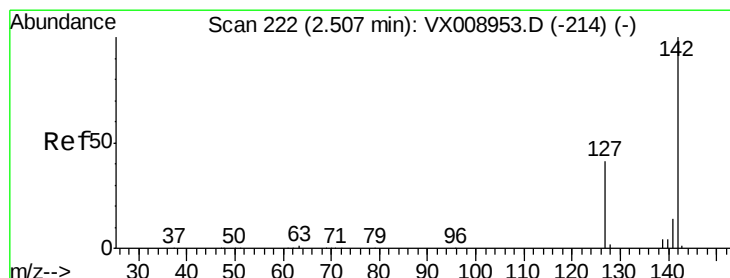
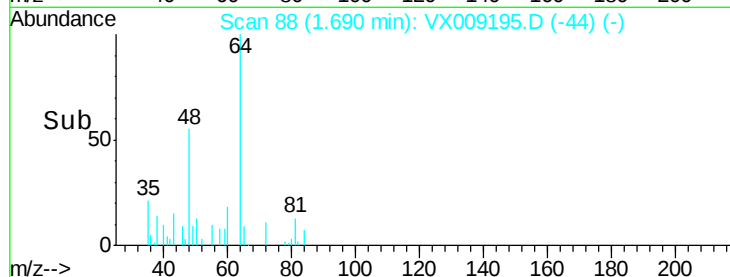
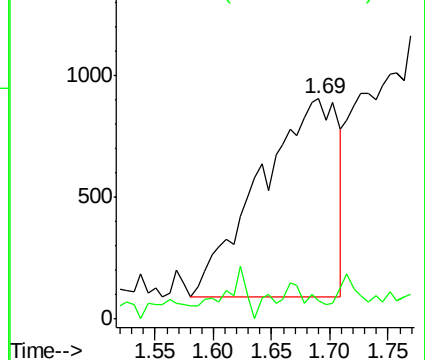
64 100

66 2.8 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.554 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009195.D

Acq: 26 Apr 2019 17:20

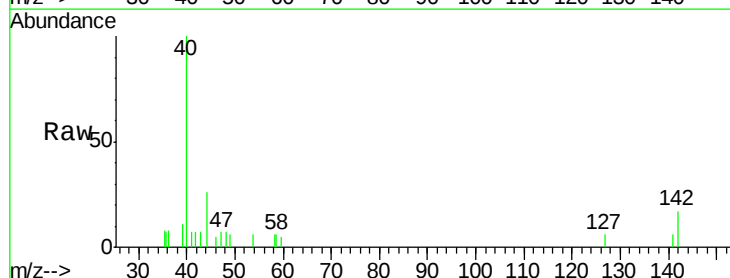
Tgt Ion: 142 Resp: 362

Ion Ratio Lower Upper

142 100

127 18.5 32.8 49.2#

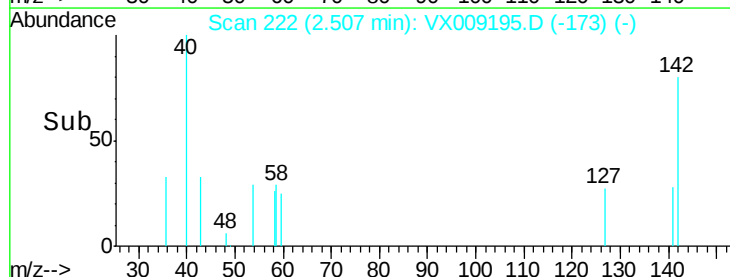
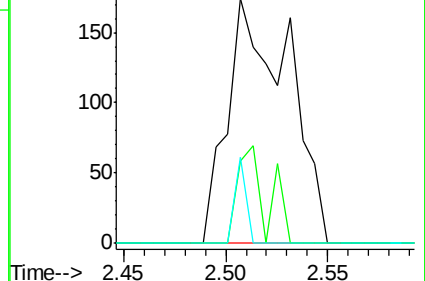
141 6.1 11.4 17.2#

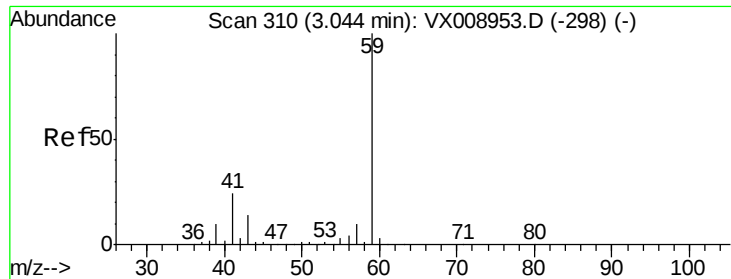


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



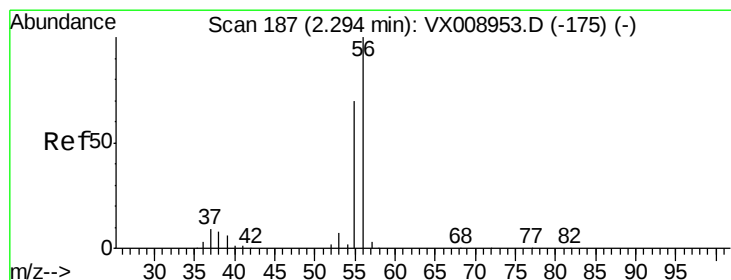
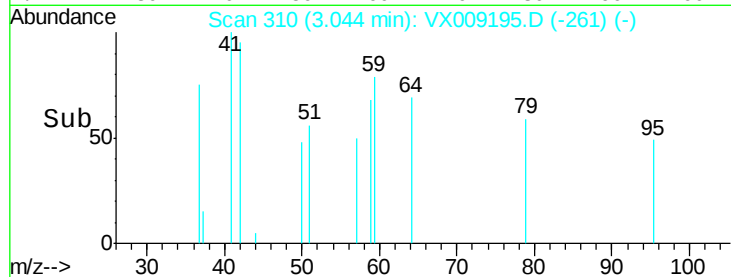
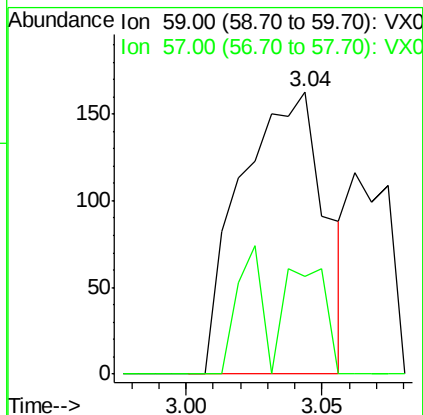
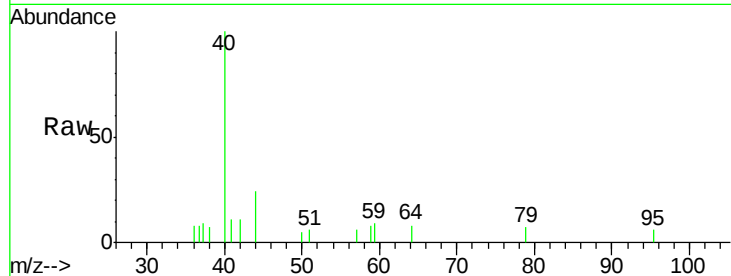


#11

Tert butyl alcohol
 Concen: 0.532 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.00 min
 Lab File: VX009195.D
 Acq: 26 Apr 2019 17:20

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

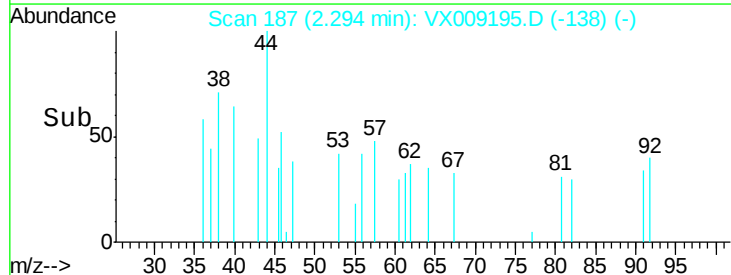
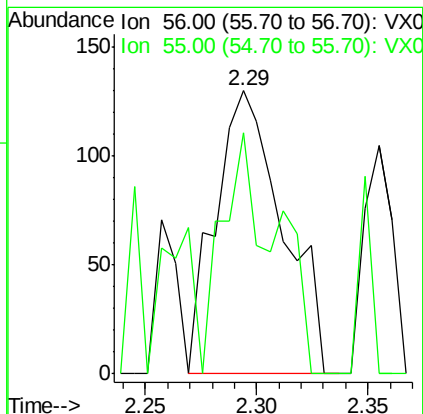
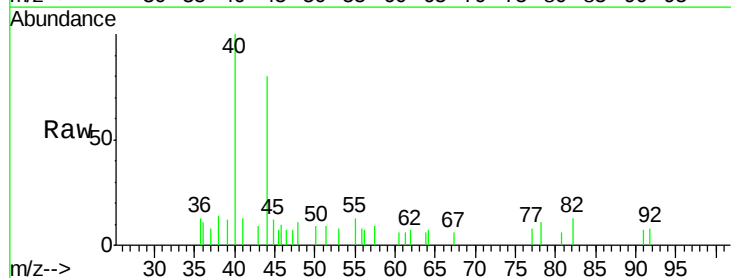
Tot Ion: 59 Resp: 351
 Ion Ratio Lower Upper
 59 100
 57 18.5 8.4 12.6#

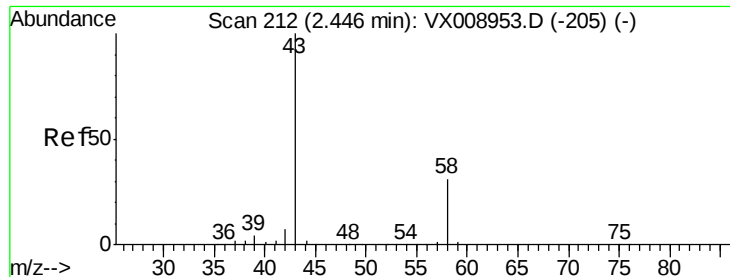


#13

Acrolein
 Concen: 0.480 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX009195.D
 Acq: 26 Apr 2019 17:20

Tgt Ion: 56 Resp: 274
 Ion Ratio Lower Upper
 56 100
 55 67.5 56.6 84.8





#16

Acetone

Concen: 1.751 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009195.D

Acq: 26 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

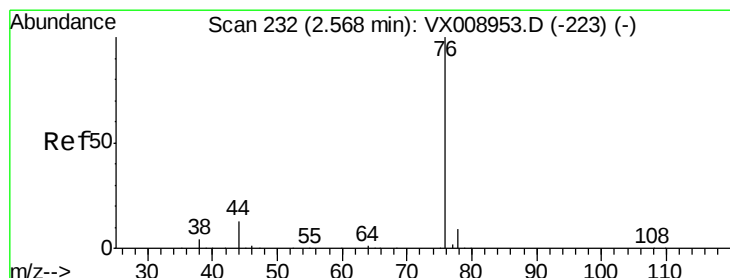
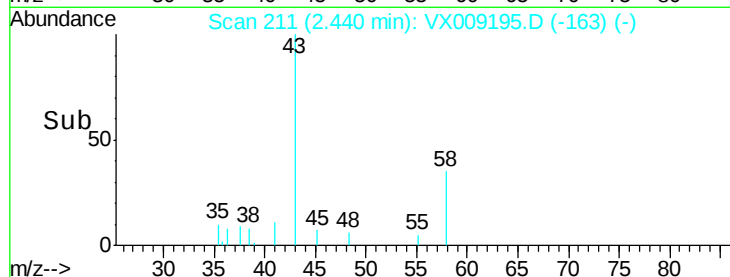
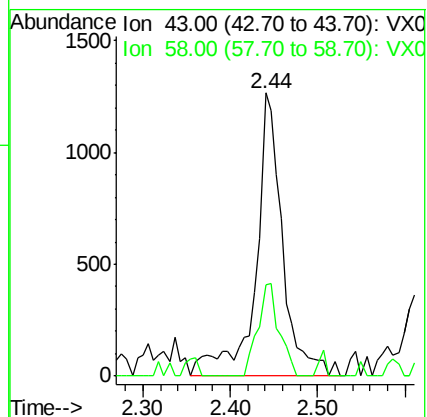
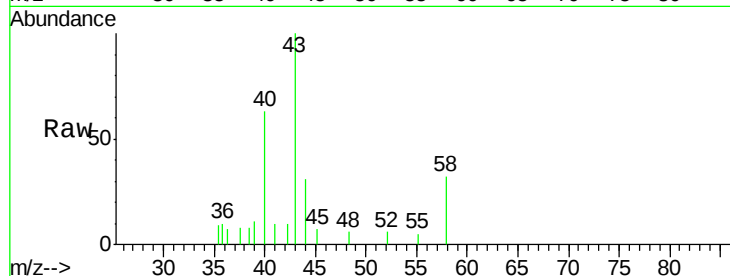
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 2701

Ion Ratio Lower Upper

43 100

58 32.2 24.8 37.2



#17

Carbon Disulfide

Concen: 1.361 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009195.D

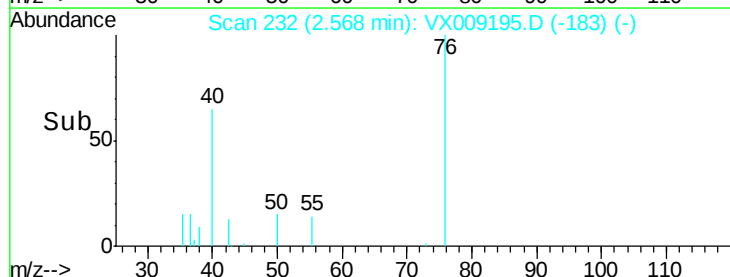
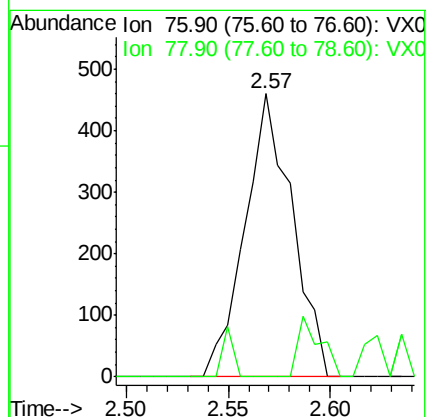
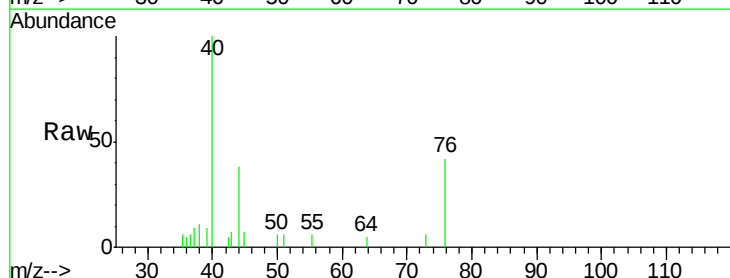
Acq: 26 Apr 2019 17:20

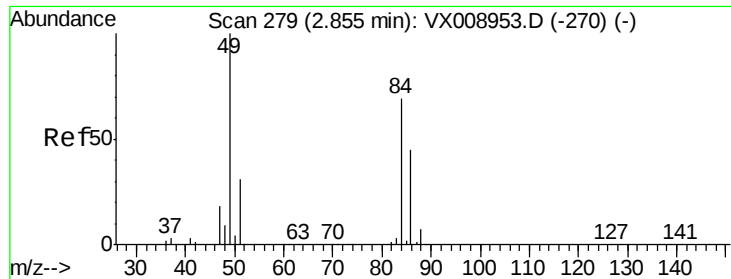
Tgt Ion: 76 Resp: 739

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.338 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX009195.D

Acq: 26 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tot Ion: 84 Resp: 891

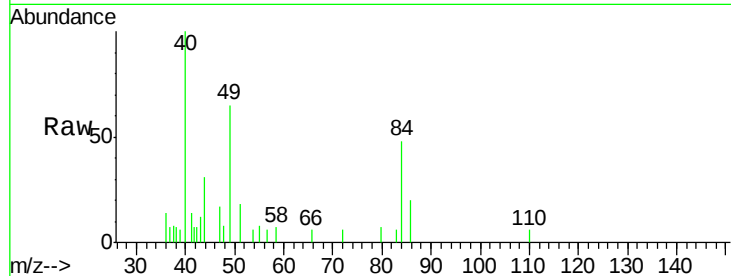
Ion Ratio Lower Upper

84 100

49 135.9 115.4 173.0

51 24.5 35.8 53.6#

86 43.1 52.1 78.1#



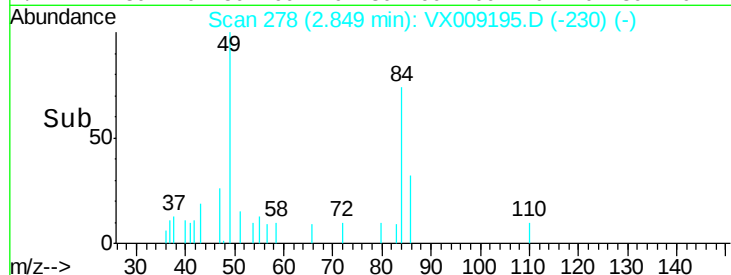
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

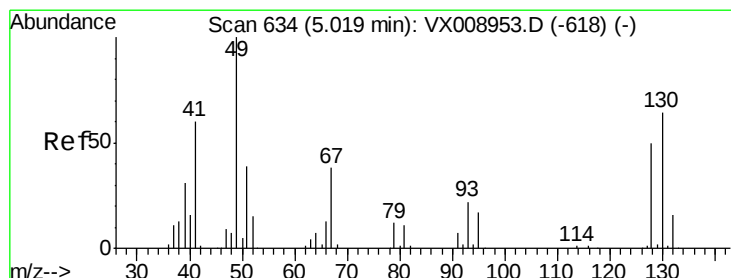
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

Time-->



Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX009195.D

Acq: 26 Apr 2019 17:20

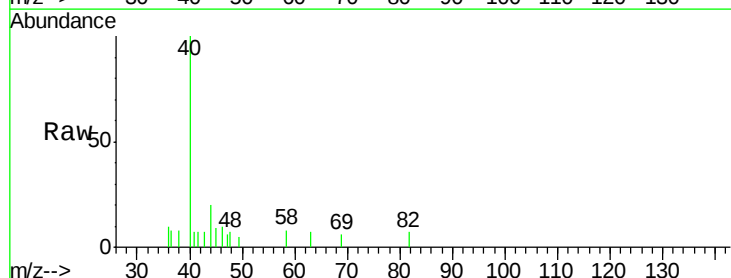
Tgt Ion: 49 Resp: 18

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 50.4 75.6#

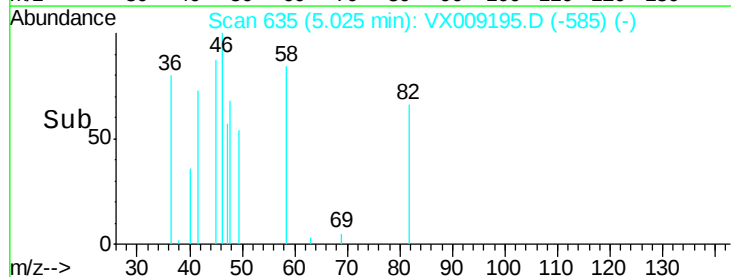


Abundance Ion 48.90 (48.60 to 49.60): VX0

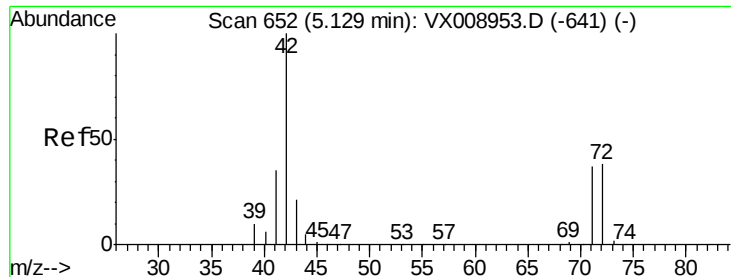
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->



Time-->



#29

Tetrahydrofuran

Concen: 0.358 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009195.D

Acq: 26 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

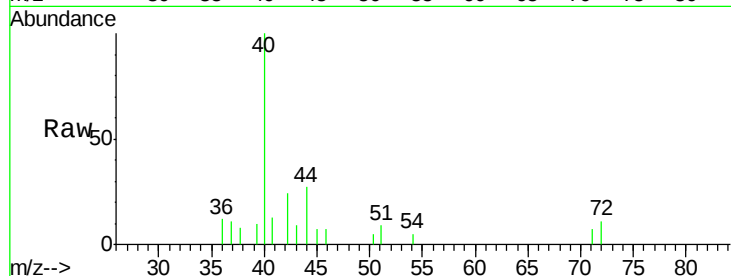
Tot Ion: 42 Resp: 591

Ion Ratio Lower Upper

42 100

72 24.4 30.6 45.8#

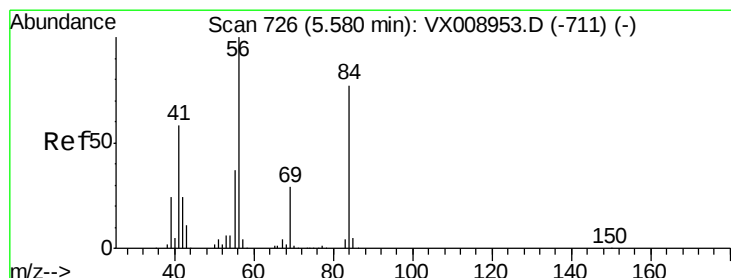
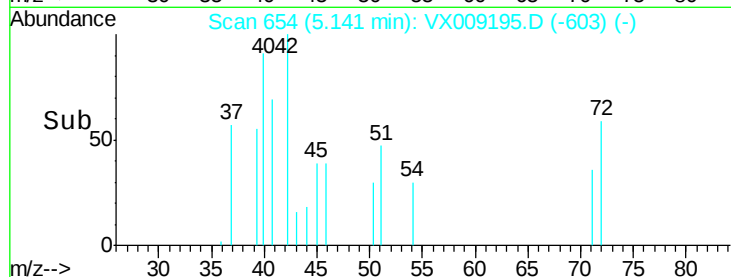
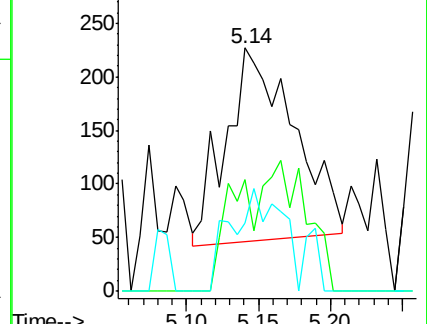
71 39.1 28.8 43.2



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



#31

Cyclohexane

Concen: 0.955 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009195.D

Acq: 26 Apr 2019 17:20

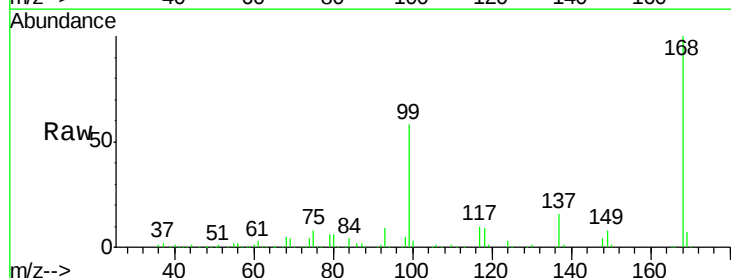
Tgt Ion: 56 Resp: 4524

Ion Ratio Lower Upper

56 100

69 155.1 23.3 34.9#

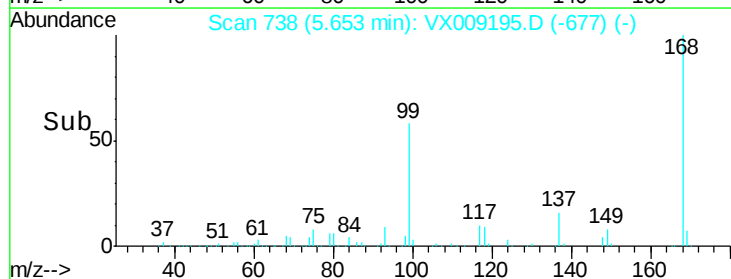
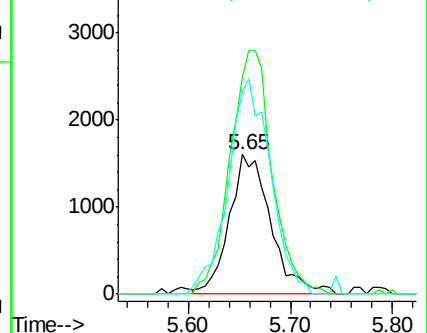
84 145.2 61.7 92.5#

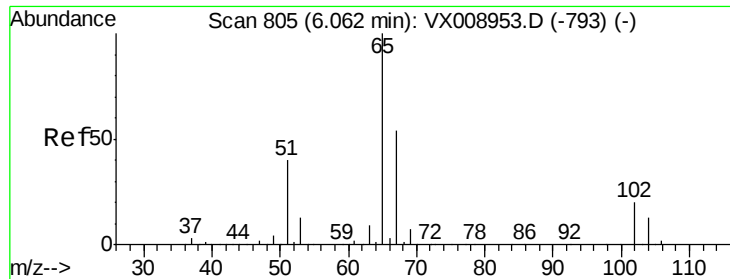


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.633 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009195.D

Acq: 26 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

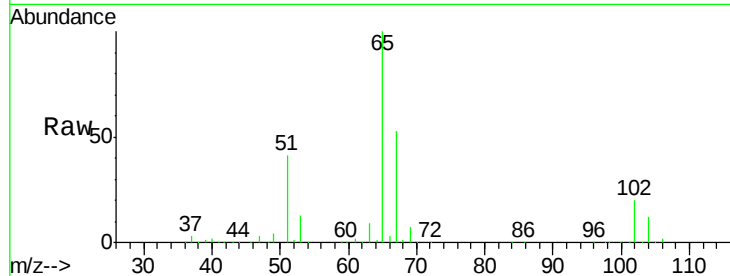
STORAGE-BLANK-WATER-REF-4

Tot Ion: 65 Resp: 138728

Ion Ratio Lower Upper

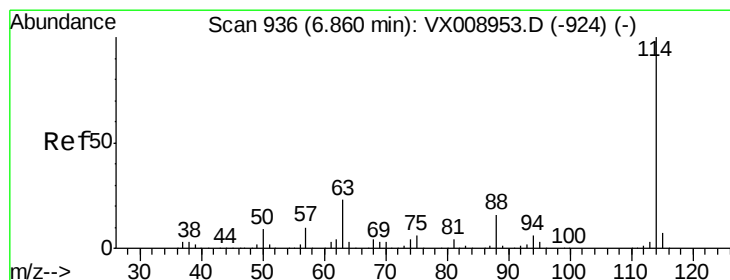
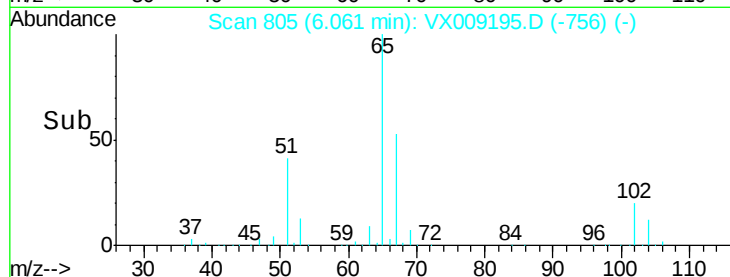
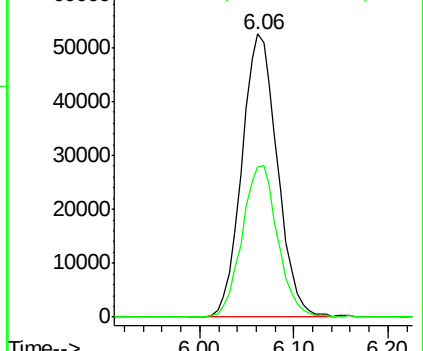
65 100

67 53.6 0.0 108.6



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: VX009195.D

Acq: 26 Apr 2019 17:20

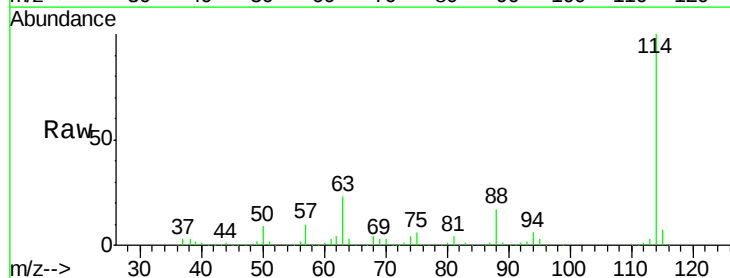
Tgt Ion: 114 Resp: 340690

Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.0

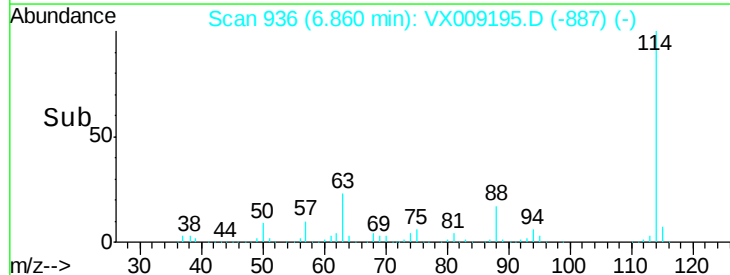
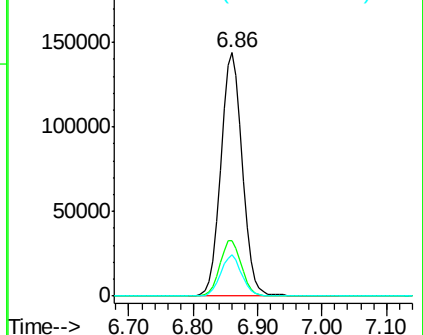
88 16.8 0.0 32.6

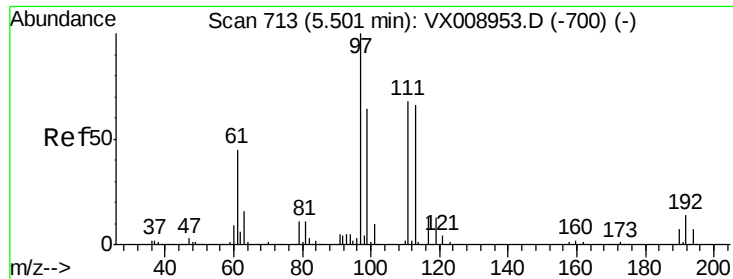


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

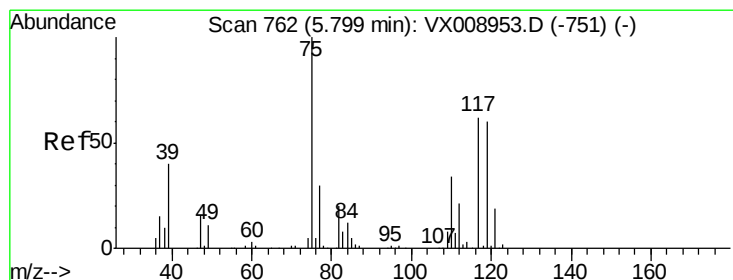
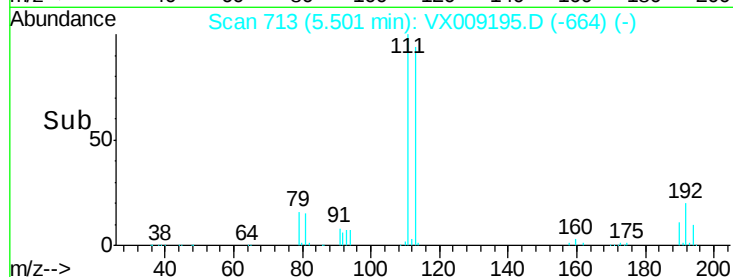
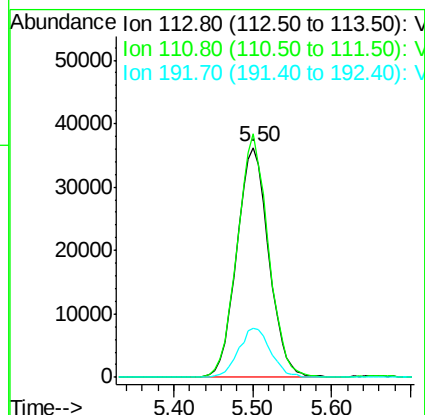
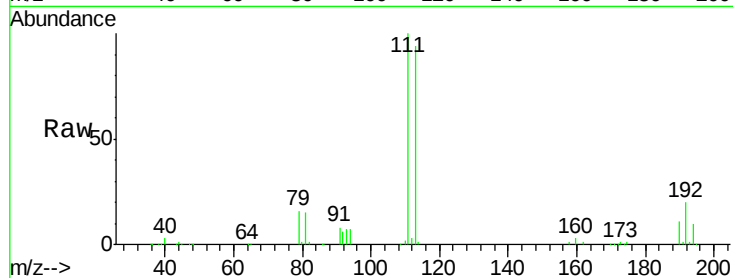




#35
 Dibromofluoromethane
 Concen: 46.818 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009195.D
 Acq: 26 Apr 2019 17:20

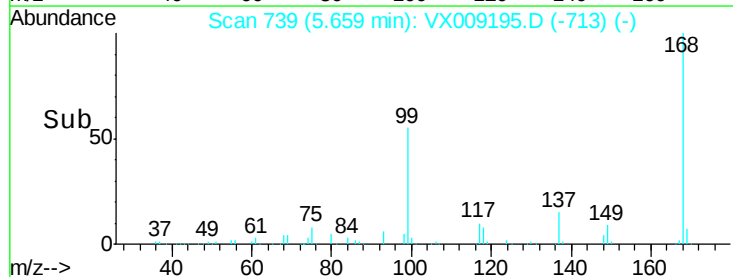
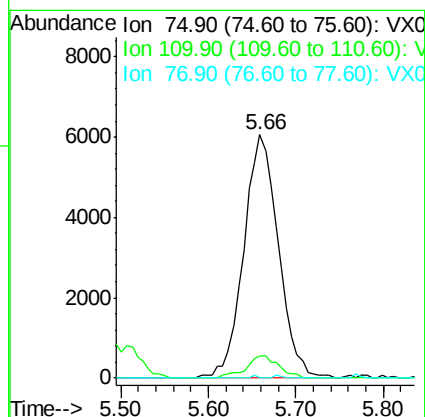
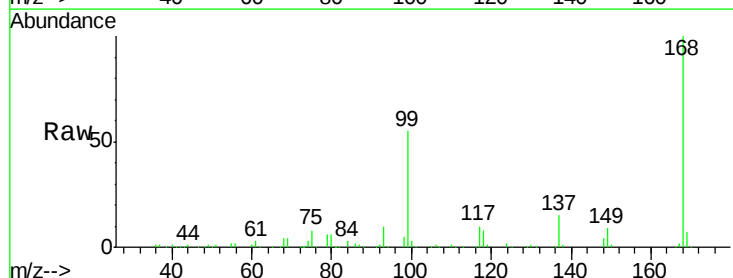
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

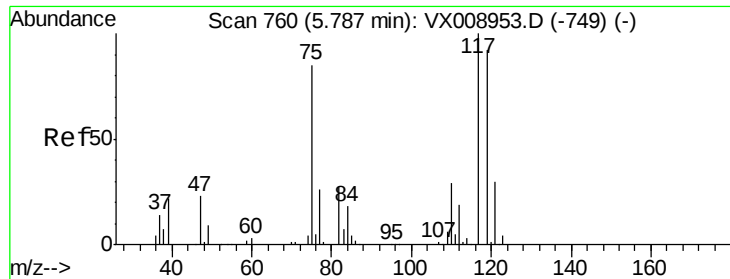
Tot Ion:113 Resp: 102367
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.9 124.3
 192 21.6 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.739 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009195.D
 Acq: 26 Apr 2019 17:20

Tgt Ion: 75 Resp: 16698
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.9 50.7#
 77 0.2 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.706 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009195.D

Acq: 26 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

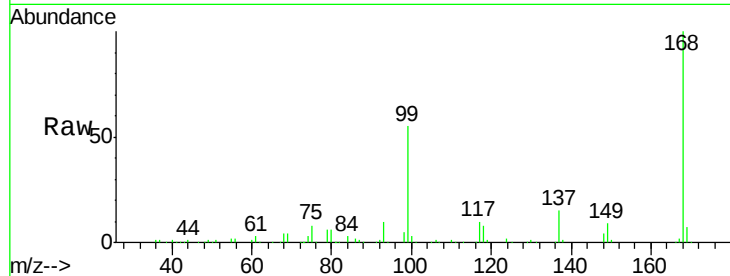
Tot Ion:117 Resp: 20032

Ion Ratio Lower Upper

117 100

119 5.3 73.8 110.8#

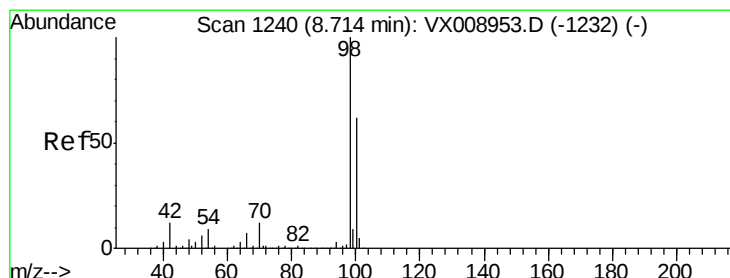
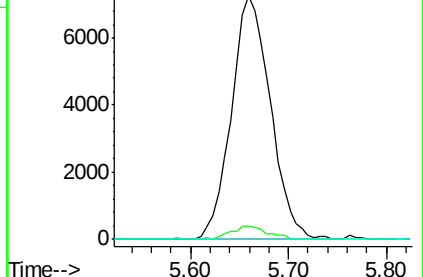
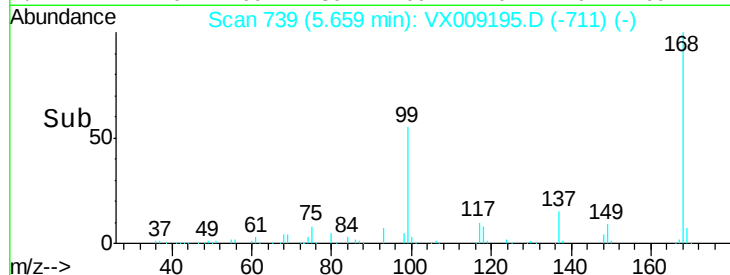
121 0.0 23.6 35.4#



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



#50

Toluene-d8

Concen: 48.616 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009195.D

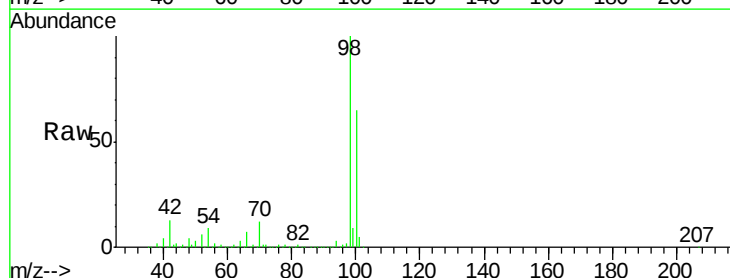
Acq: 26 Apr 2019 17:20

Tgt Ion: 98 Resp: 423919

Ion Ratio Lower Upper

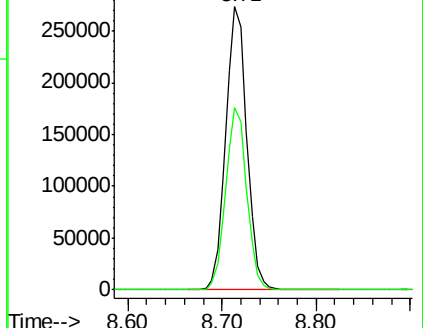
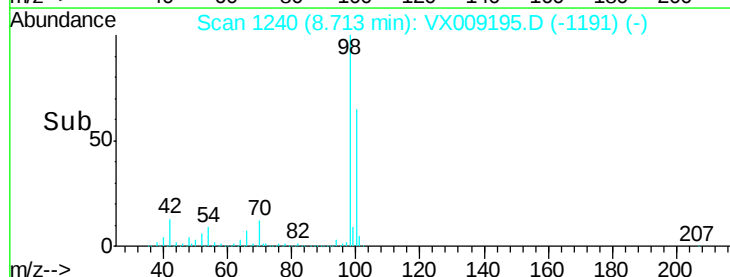
98 100

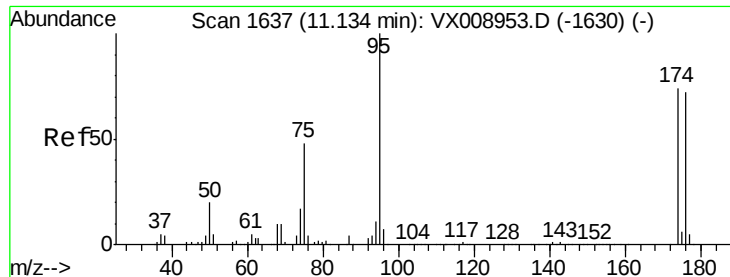
100 64.4 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

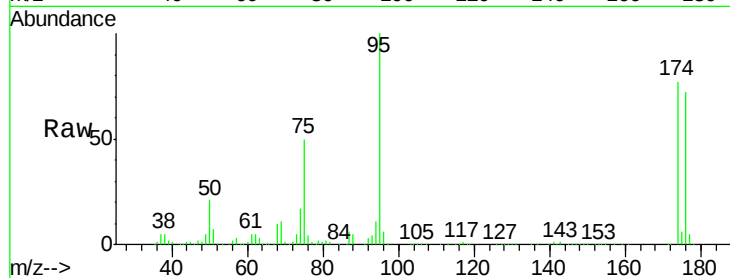




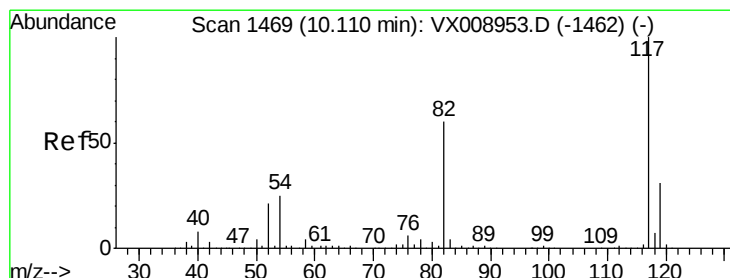
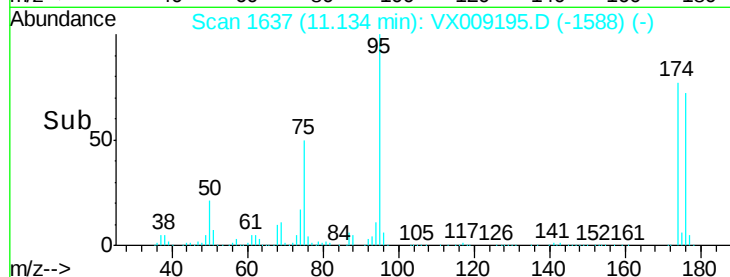
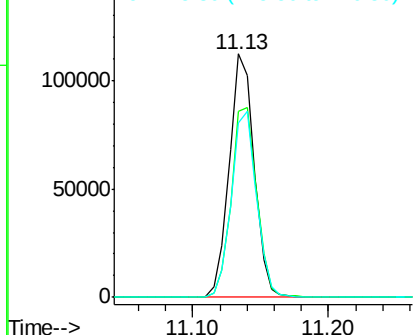
#62
4-Bromofluorobenzene
Concen: 46.501 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009195.D
Acq: 26 Apr 2019 17:20

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

Tot Ion: 95 Resp: 143135
Ion Ratio Lower Upper
95 100
174 80.1 0.0 159.6
176 77.4 0.0 154.8

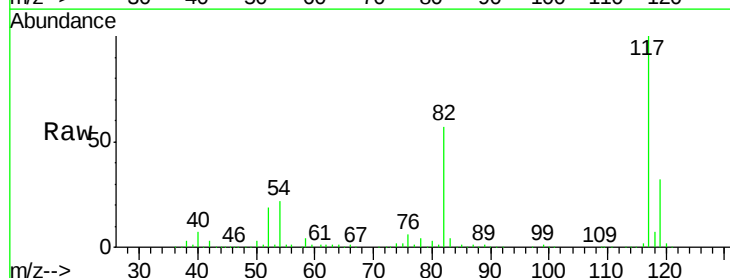


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

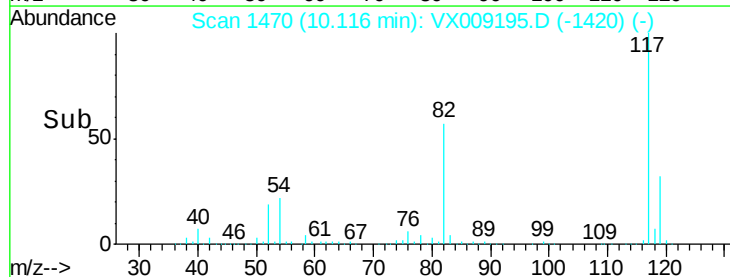
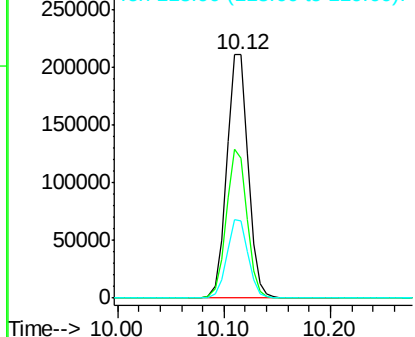


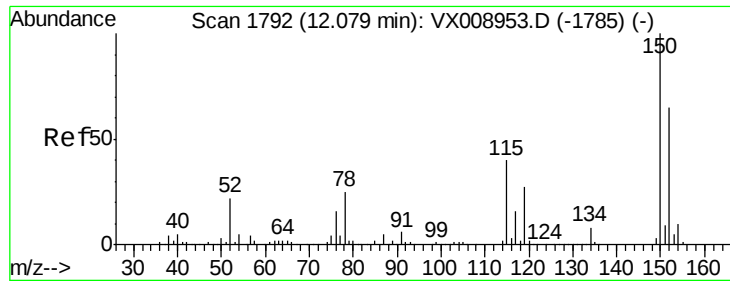
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009195.D
Acq: 26 Apr 2019 17:20

Tgt Ion: 117 Resp: 297311
Ion Ratio Lower Upper
117 100
82 57.5 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: VX009195.D

Acq: 26 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

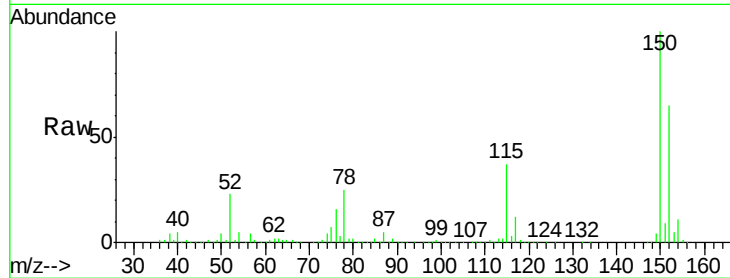
Tot Ion:152 Resp: 128145

Ion Ratio Lower Upper

152 100

115 58.7 41.4 124.2

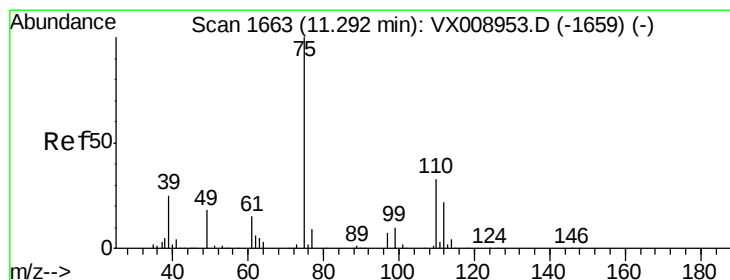
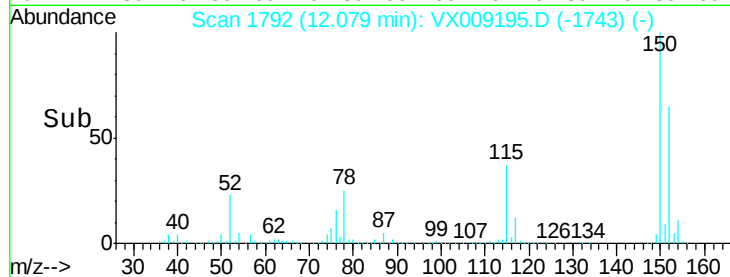
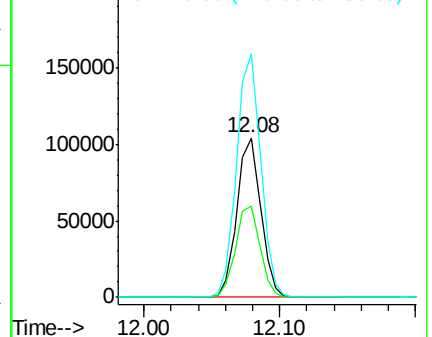
150 155.1 0.0 349.8



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: 22.766 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009195.D

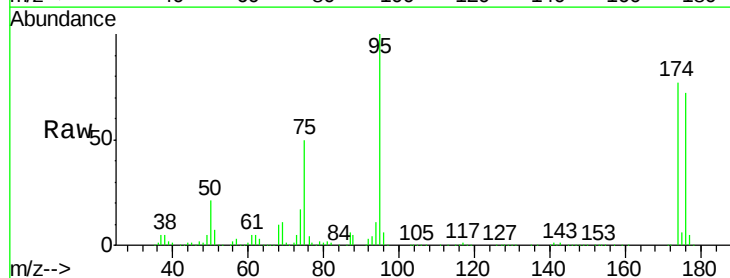
Acq: 26 Apr 2019 17:20

Tgt Ion: 75 Resp: 71237

Ion Ratio Lower Upper

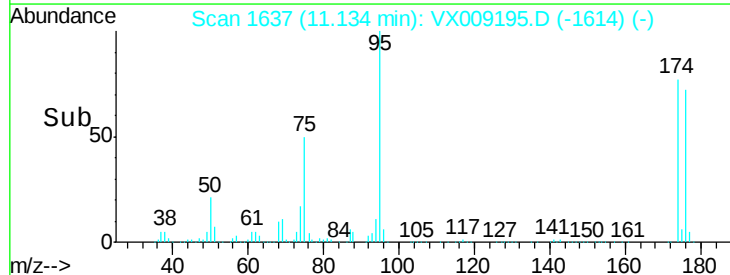
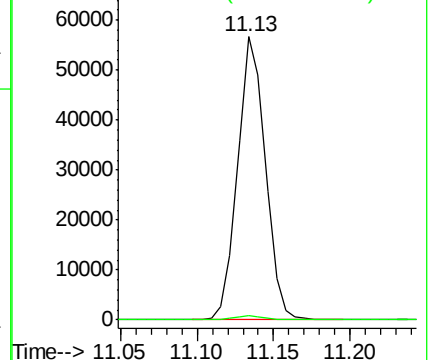
75 100

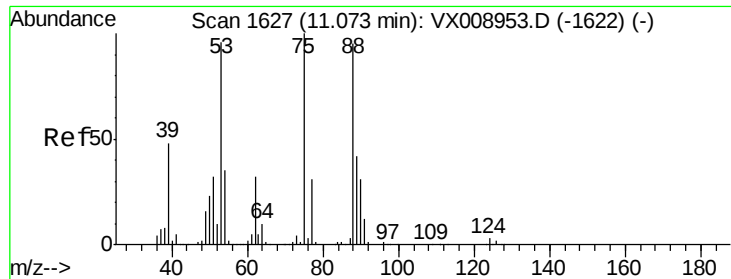
77 1.5 22.7 68.0#



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: 58.448 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009195.D

Acq: 26 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

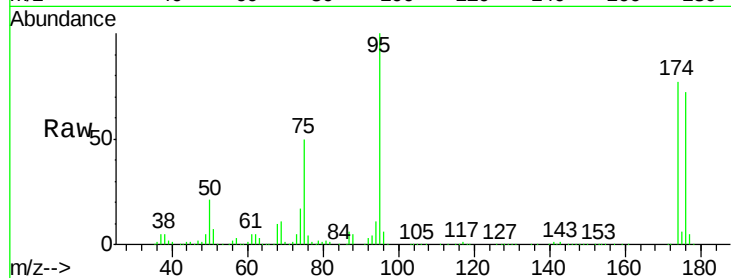
Tot Ion: 75 Resp: 71237

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

