

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032619\
 Data File : VX008449.D
 Acq On : 26 Mar 2019 12:11
 Operator : JC/SP
 Sample : K2082-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

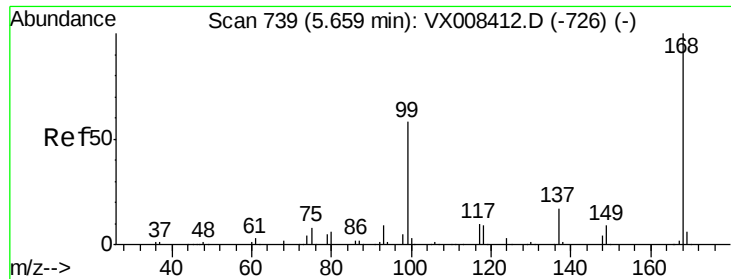
Quant Time: Mar 27 01:49:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	230545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	393335	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	338517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140334	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	166470	47.63	ug/l	0.00
Spiked Amount						
			Recovery	=	95.26%	
35) Dibromofluoromethane	5.49	113	121794	47.49	ug/l	0.00
Spiked Amount						
			Recovery	=	94.98%	
50) Toluene-d8	8.71	98	493882	48.16	ug/l	0.00
Spiked Amount						
			Recovery	=	96.32%	
62) 4-Bromofluorobenzene	11.13	95	166076	43.70	ug/l	0.00
Spiked Amount						
			Recovery	=	87.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	323	Below Cal	#	47
5) Bromomethane	1.64	94	229	1.919	ug/l	97
6) Chloroethane	1.59	64	6069	2.700	ug/l #	66
10) Methyl Iodide	2.53	142	97	4.164	ug/l #	42
11) Tert butyl alcohol	3.03	59	587	0.758	ug/l	97
13) Acrolein	2.29	56	203	0.361	ug/l #	14
16) Acetone	2.45	43	809	0.443	ug/l #	65
17) Carbon Disulfide	2.57	76	962	Below Cal	#	72
20) Methylene Chloride	2.86	84	609	Below Cal	#	58
21) trans-1,2-Dichloroethene	3.04	96	19	Below Cal	#	1
31) Cyclohexane	5.66	56	5728	1.022	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	20207	4.818	ug/l #	51
38) Carbon Tetrachloride	5.65	117	22852	6.529	ug/l #	16
49) 1,4-Dioxane	7.60	88	22	0.254	ug/l #	64
76) 1,2,3-Trichloropropane	11.13	75	85562	20.509	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	85562	65.686	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008449.D

Acq: 26 Mar 2019 12:11

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MSVOA_X

ClientSampleId :

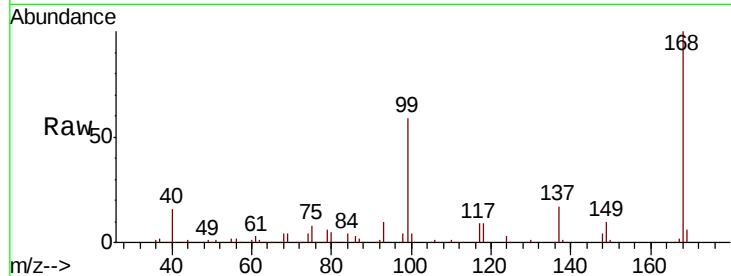
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 230545

Ion Ratio Lower Upper

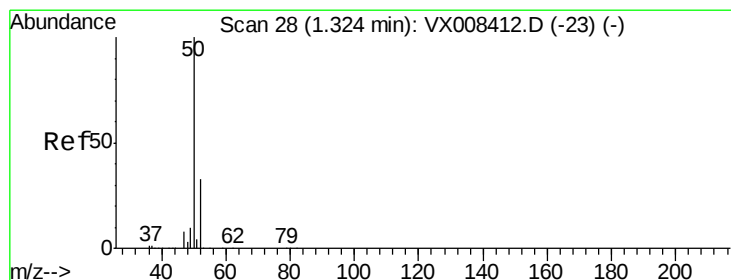
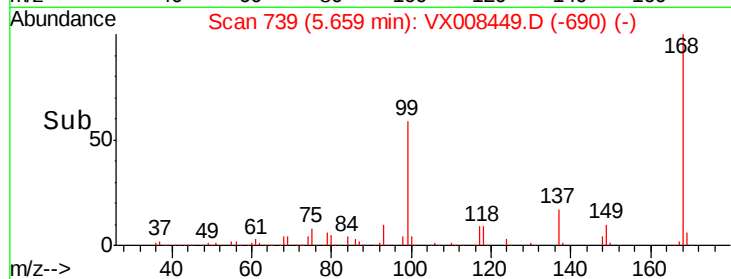
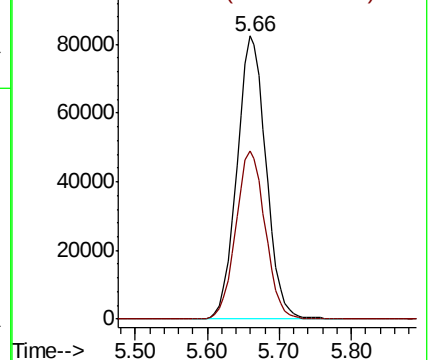
168 100

99 59.4 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008449.D

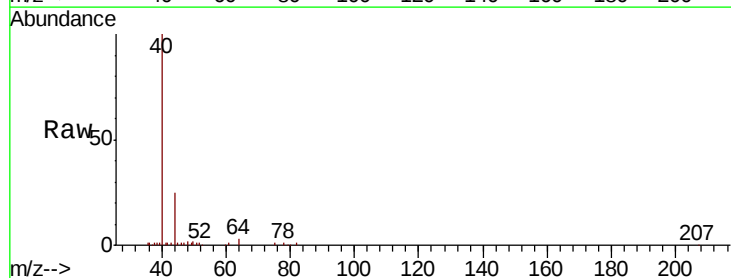
Acq: 26 Mar 2019 12:11

Tgt Ion: 50 Resp: 323

Ion Ratio Lower Upper

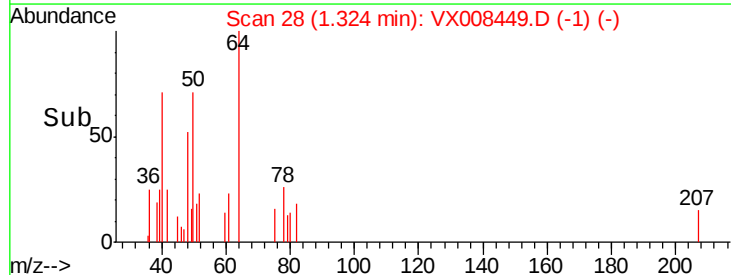
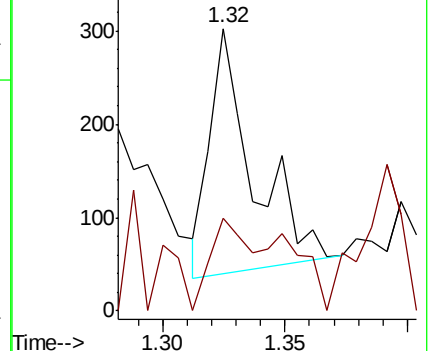
50 100

52 62.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.919 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008449.D

Acq: 26 Mar 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

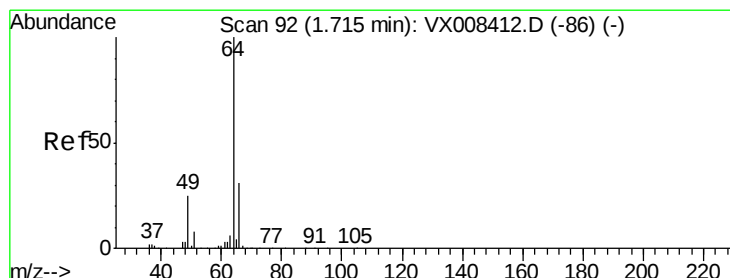
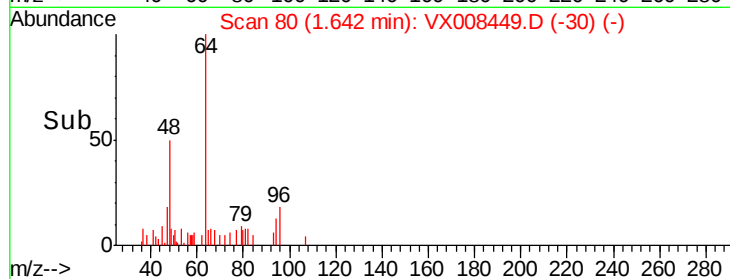
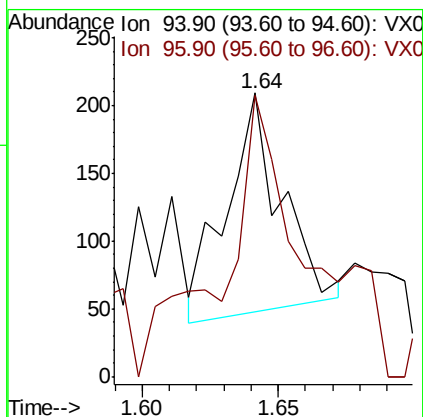
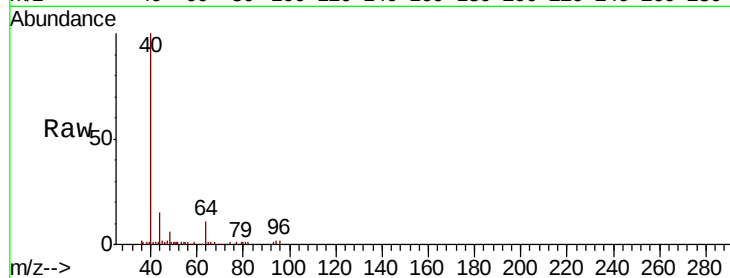
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 229

Ion Ratio Lower Upper

94 100

96 96.0 74.8 112.2



#6

Chloroethane

Concen: 2.700 ug/l

RT: 1.59 min Scan# 72

Delta R.T. -0.12 min

Lab File: VX008449.D

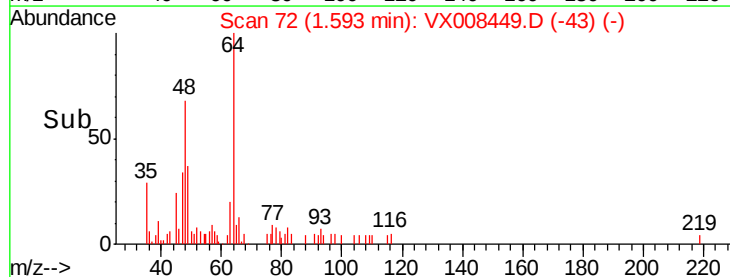
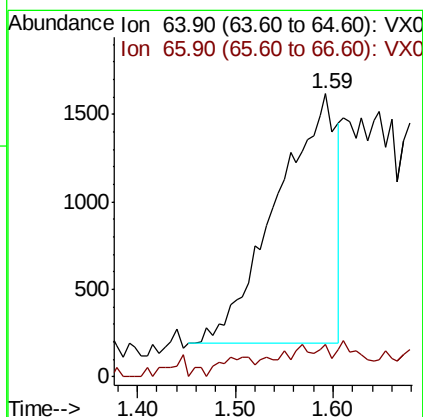
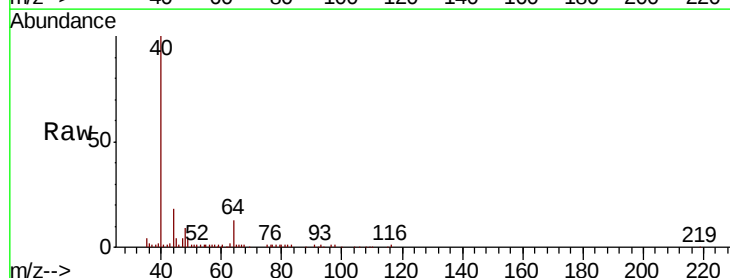
Acq: 26 Mar 2019 12:11

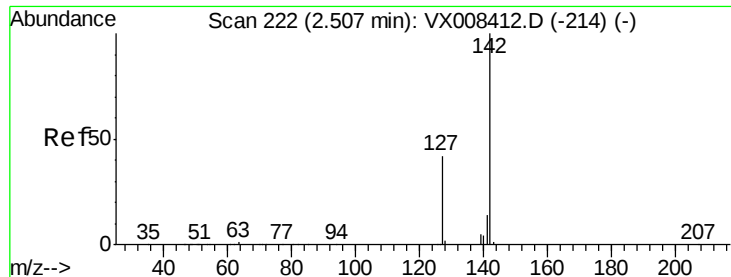
Tgt Ion: 64 Resp: 6069

Ion Ratio Lower Upper

64 100

66 12.8 25.1 37.7#

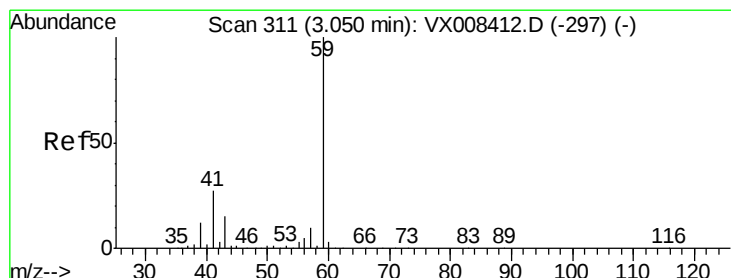
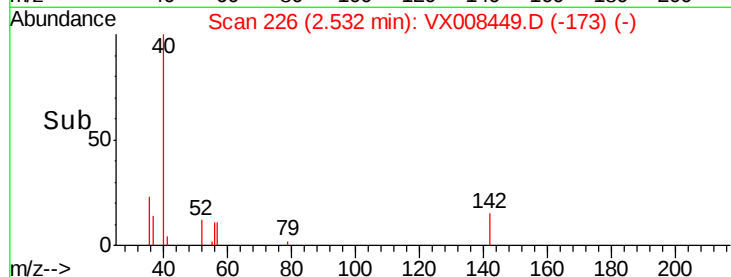
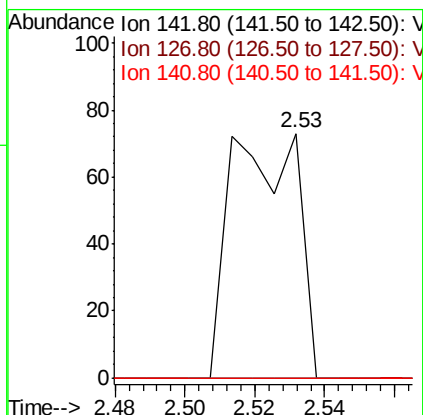
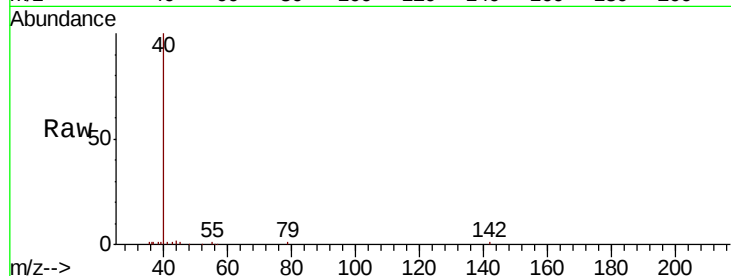




#10
Methyl Iodide
Concen: 4.164 ug/l
RT: 2.53 min Scan# 226
Delta R.T. 0.02 min
Lab File: VX008449.D
Acq: 26 Mar 2019 12:11

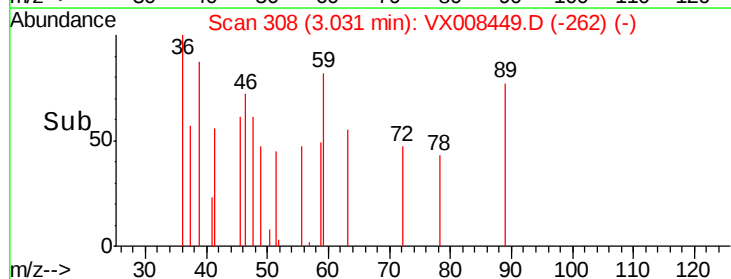
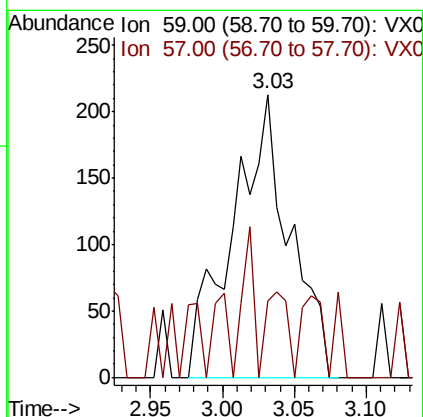
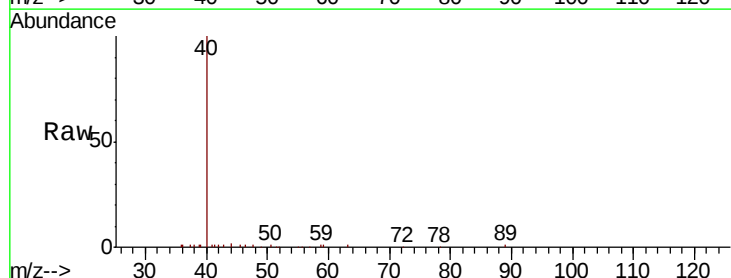
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

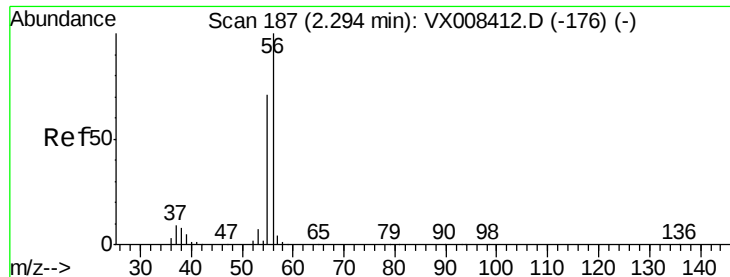
Tot Ion:142 Resp: 97
Ion Ratio Lower Upper
142 100
127 0.0 33.6 50.4#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.758 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX008449.D
Acq: 26 Mar 2019 12:11

Tgt Ion: 59 Resp: 587
Ion Ratio Lower Upper
59 100
57 11.2 8.2 12.4





#13

Acrolein

Concen: 0.361 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008449.D

Acq: 26 Mar 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

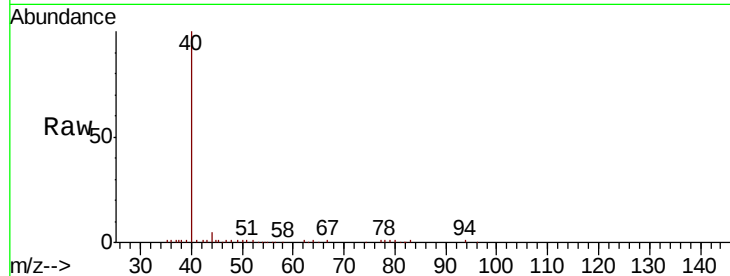
STORAGE-BLANK-WATER-REF-5

Tot Ion: 56 Resp: 203

Ion Ratio Lower Upper

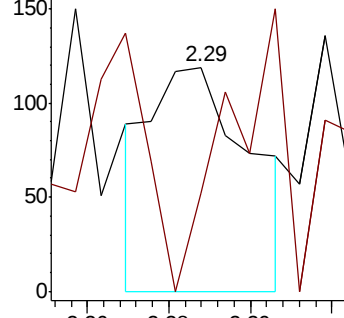
56 100

55 0.0 56.5 84.7#

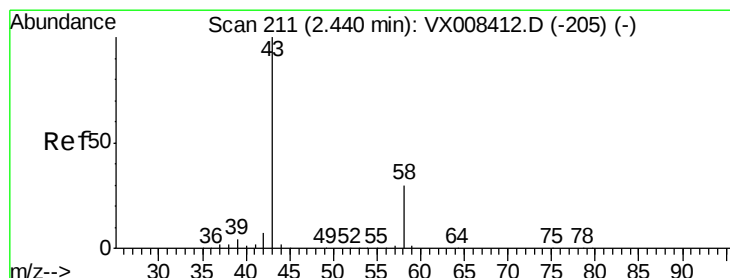
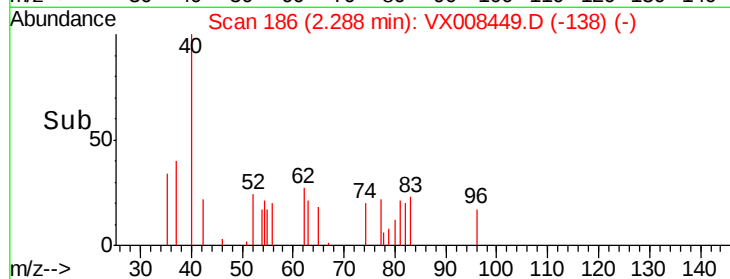


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 0.443 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008449.D

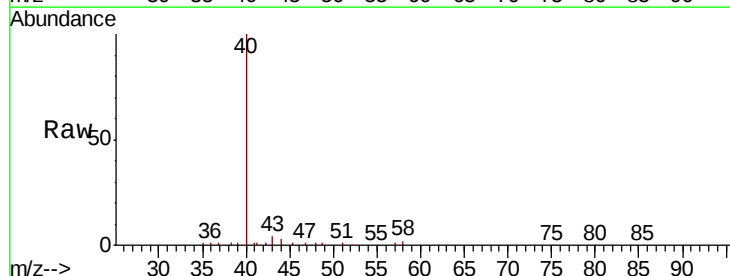
Acq: 26 Mar 2019 12:11

Tgt Ion: 43 Resp: 809

Ion Ratio Lower Upper

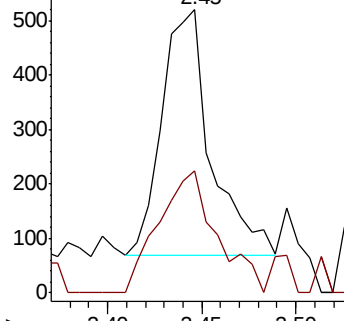
43 100

58 49.4 24.2 36.2#

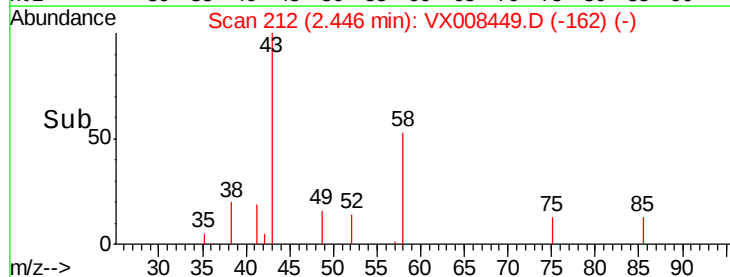


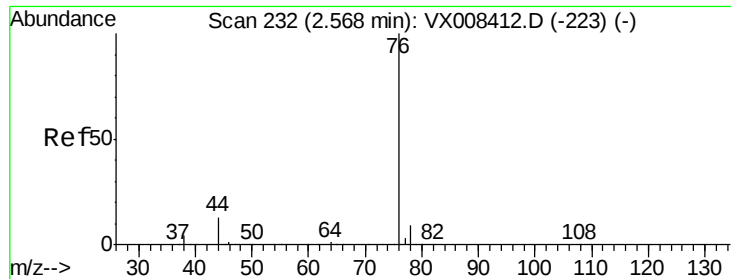
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008449.D

Acq: 26 Mar 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

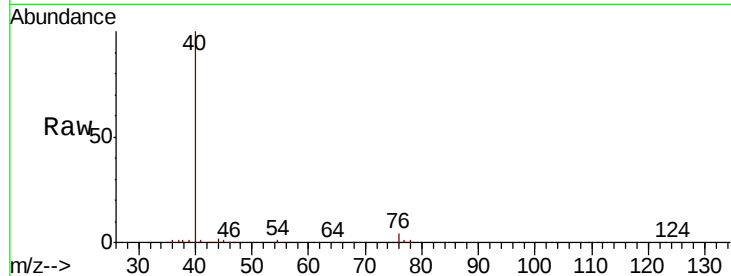
STORAGE-BLANK-WATER-REF-5

Tot Ion: 76 Resp: 962

Ion Ratio Lower Upper

76 100

78 19.6 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

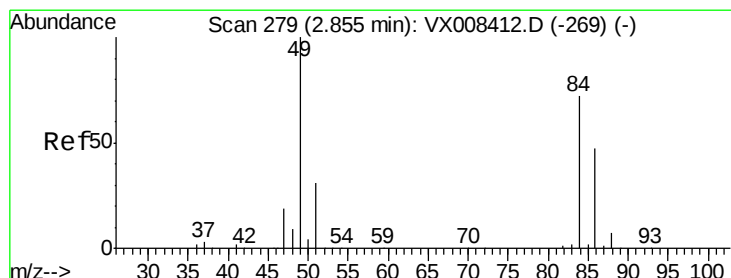
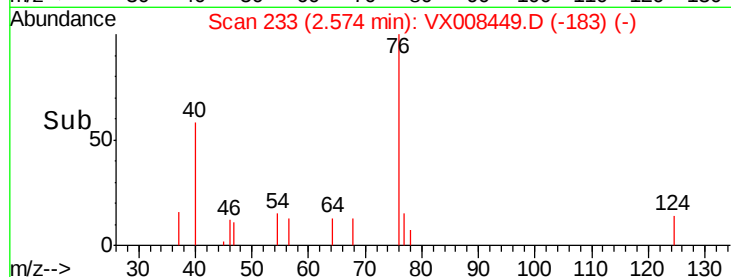
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX008449.D

Acq: 26 Mar 2019 12:11

Tgt Ion: 84 Resp: 609

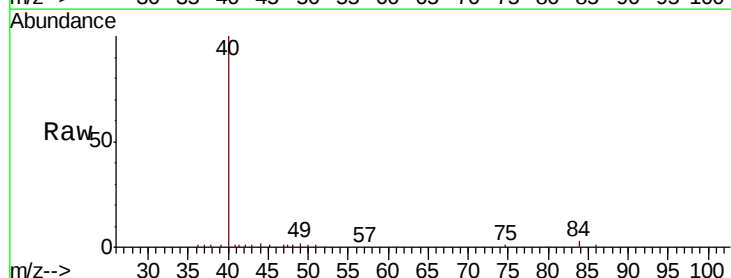
Ion Ratio Lower Upper

84 100

49 73.1 110.6 165.8#

51 21.9 33.9 50.9#

86 46.3 52.2 78.2#



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

400

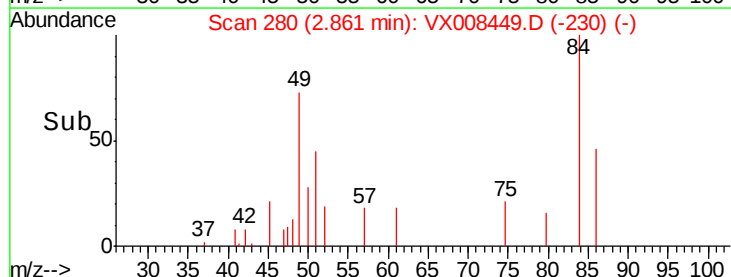
300

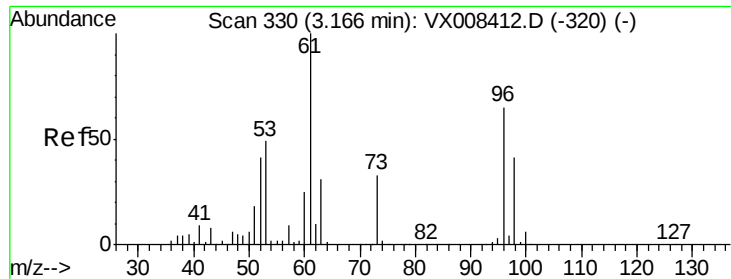
200

100

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.04 min Scan# 310

Delta R.T. -0.12 min

Lab File: VX008449.D

Acq: 26 Mar 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

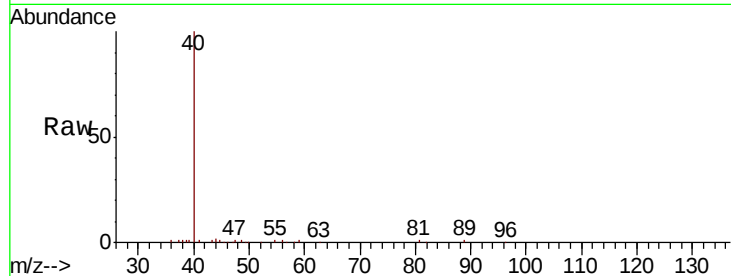
Tot Ion: 96 Resp: 19

Ion Ratio Lower Upper

96 100

61 0.0 122.6 184.0#

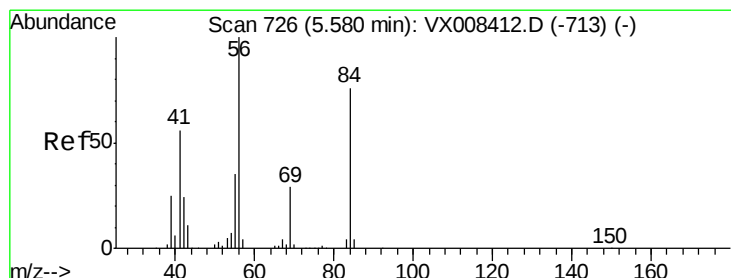
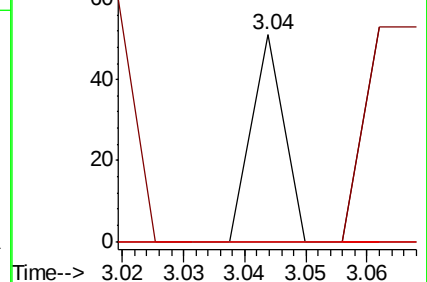
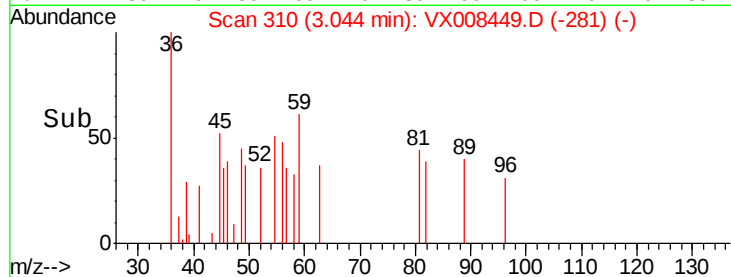
98 0.0 50.9 76.3#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#31

Cyclohexane

Concen: 1.022 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008449.D

Acq: 26 Mar 2019 12:11

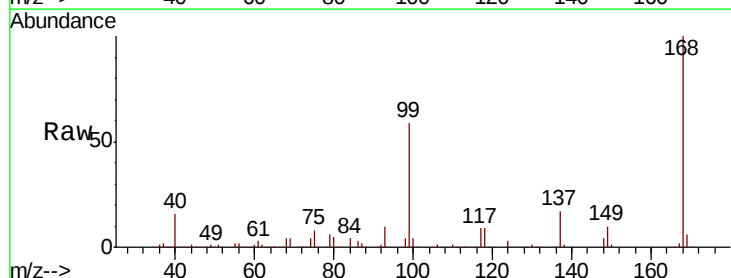
Tgt Ion: 56 Resp: 5728

Ion Ratio Lower Upper

56 100

69 174.2 23.2 34.8#

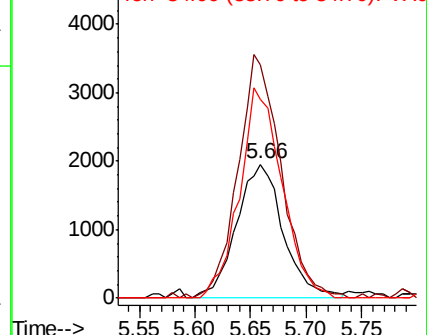
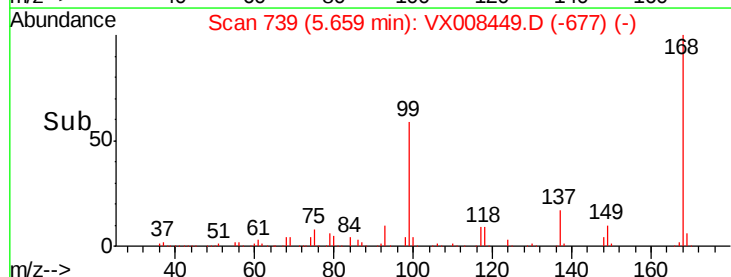
84 148.6 60.7 91.1#

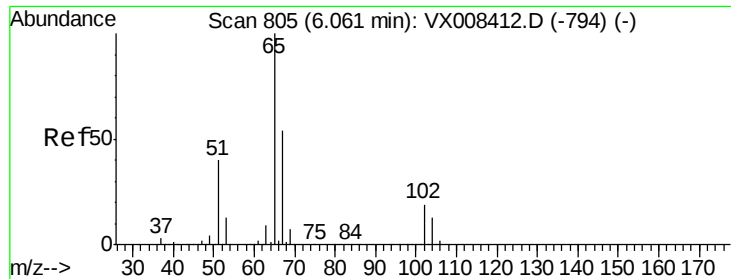


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.629 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008449.D

Acq: 26 Mar 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

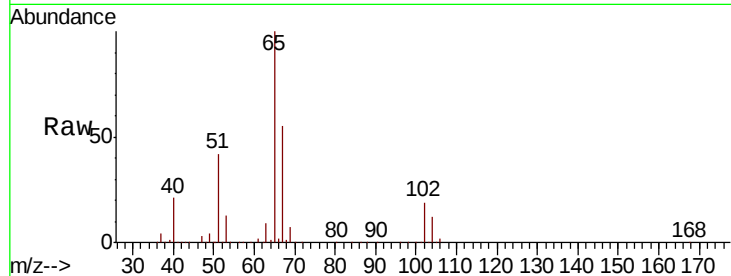
STORAGE-BLANK-WATER-REF-5

Tot Ion: 65 Resp: 166470

Ion Ratio Lower Upper

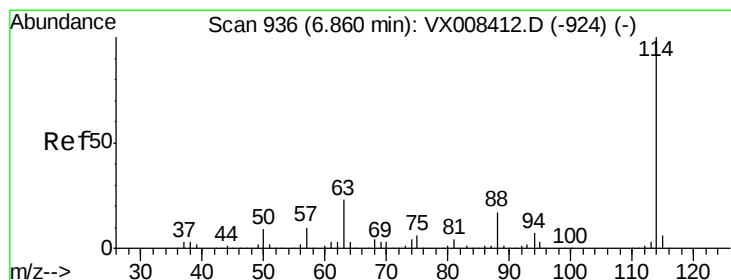
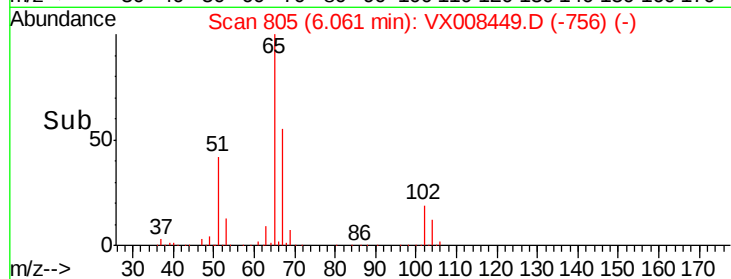
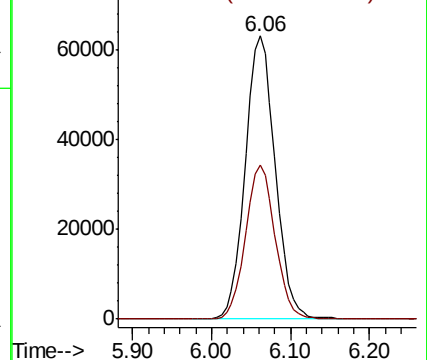
65 100

67 54.0 0.0 109.4



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: VX008449.D

Acq: 26 Mar 2019 12:11

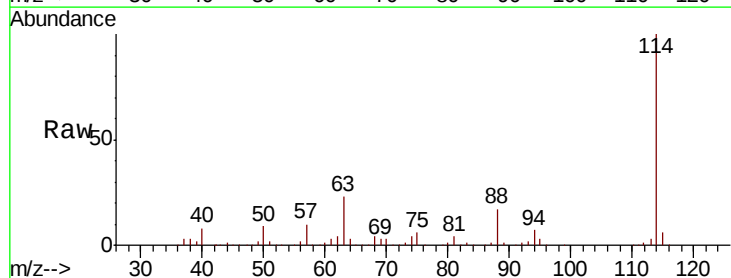
Tgt Ion: 114 Resp: 393335

Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.4

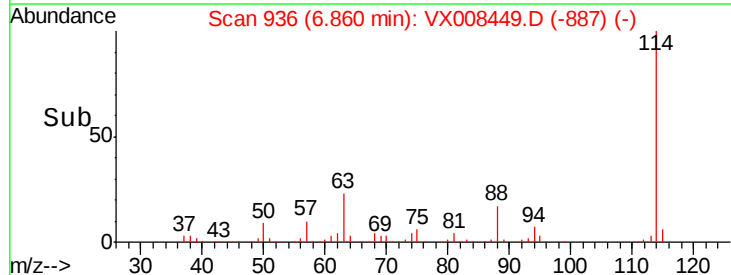
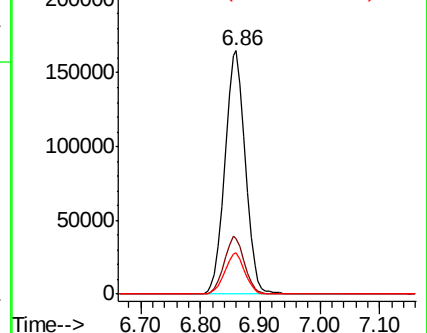
88 16.9 0.0 33.2

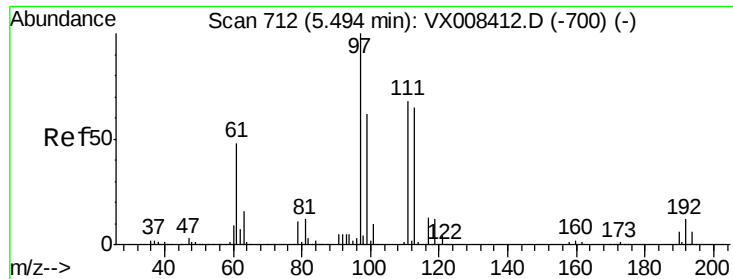


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

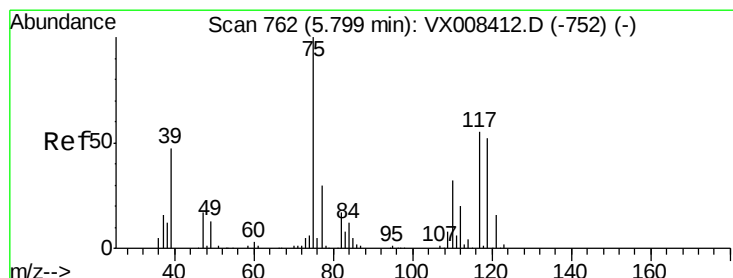
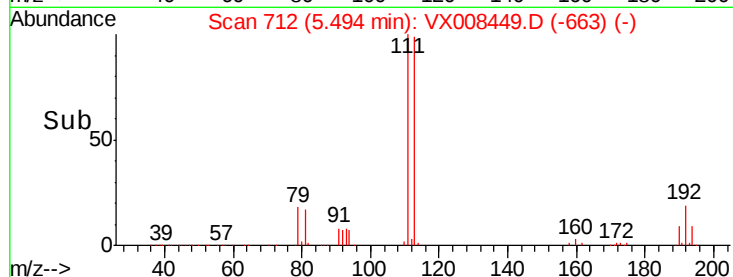
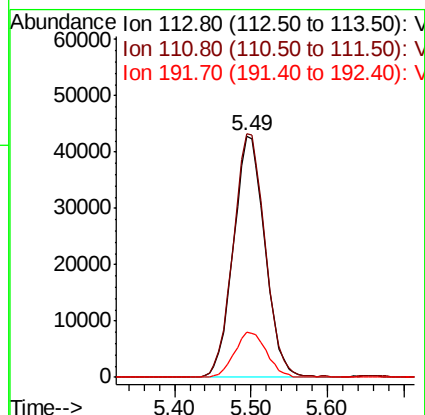
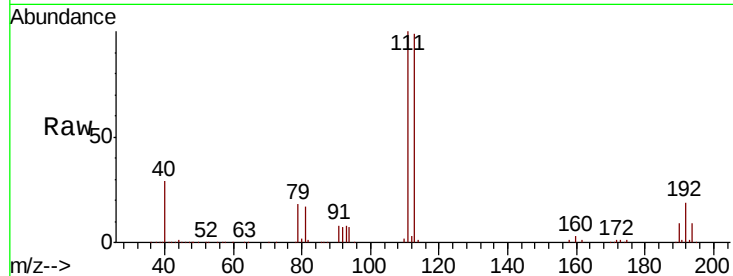




#35
 Dibromofluoromethane
 Concen: 47.488 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008449.D
 Acq: 26 Mar 2019 12:11

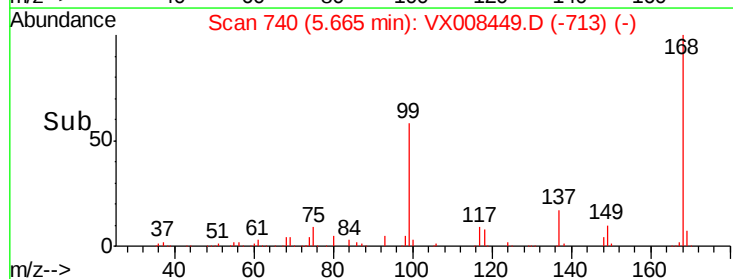
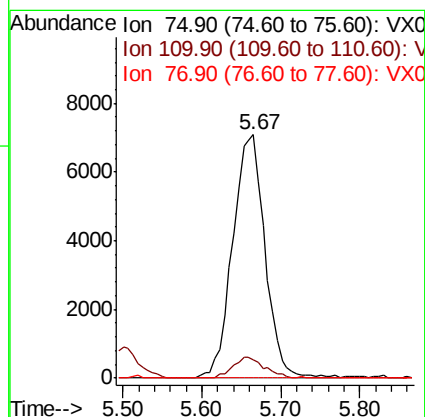
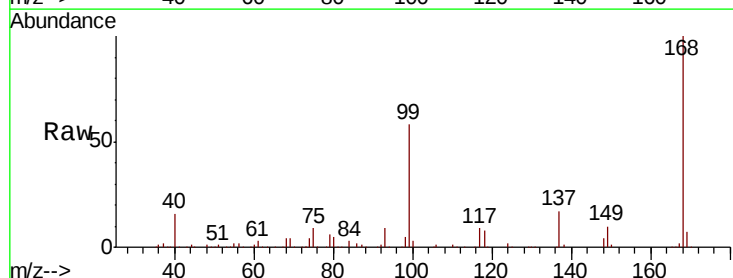
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

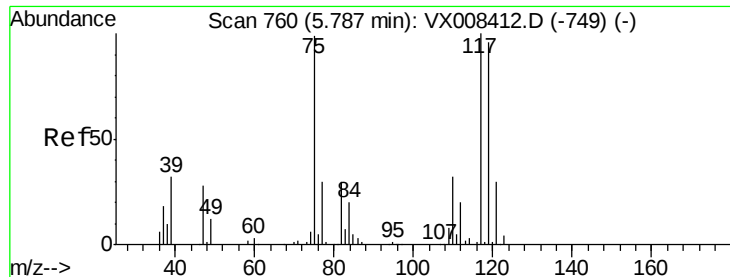
Tot Ion:113 Resp: 121794
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.0 124.4
 192 19.3 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 4.818 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008449.D
 Acq: 26 Mar 2019 12:11

Tgt Ion: 75 Resp: 20207
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.6 49.7#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.529 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX008449.D

Acq: 26 Mar 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

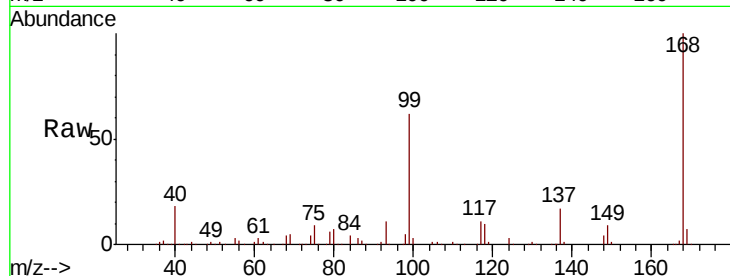
Tot Ion:117 Resp: 22852

Ion Ratio Lower Upper

117 100

119 5.6 76.7 115.1#

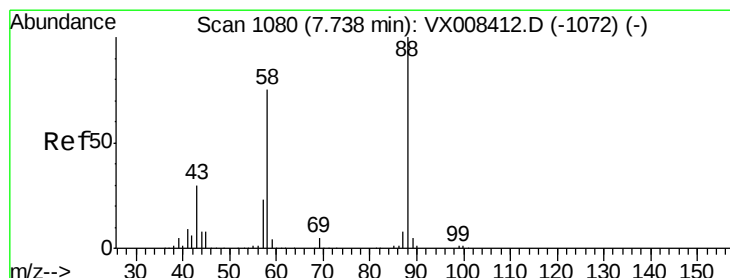
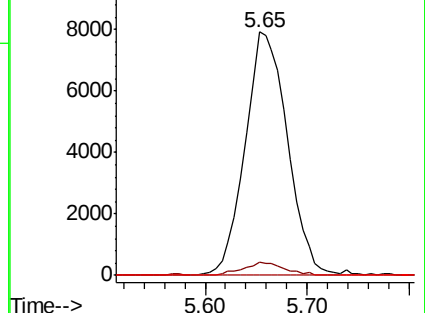
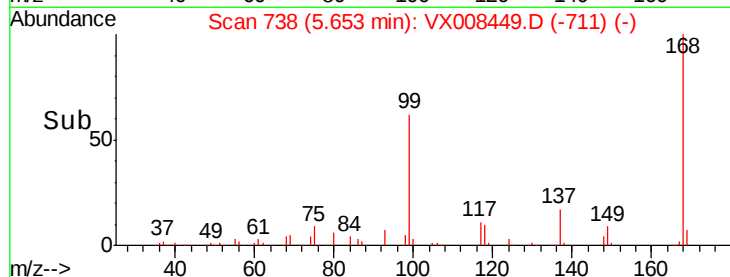
121 0.0 24.3 36.5#



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: 0.254 ug/l

RT: 7.60 min Scan# 1057

Delta R.T. -0.14 min

Lab File: VX008449.D

Acq: 26 Mar 2019 12:11

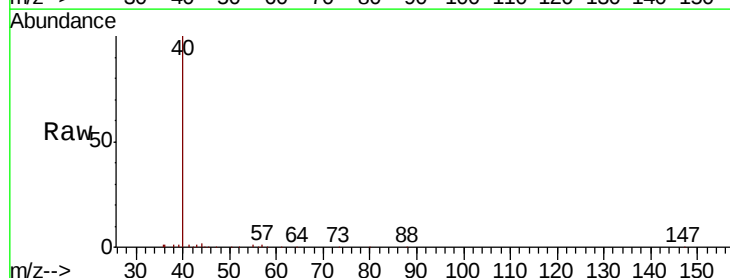
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 28.6 43.0#

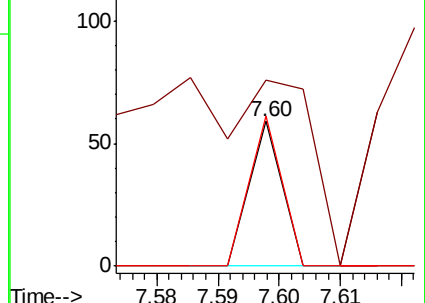
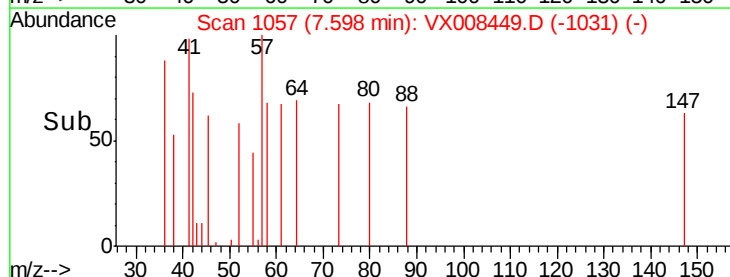
58 100.0 63.0 94.4#

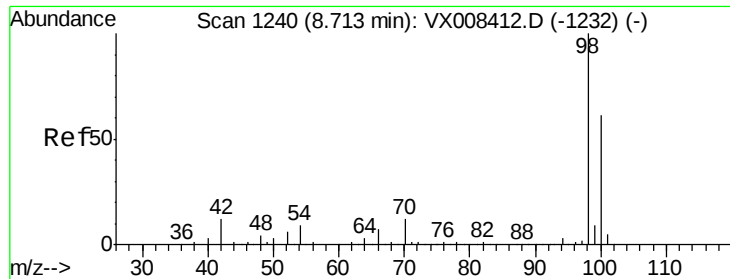


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.159 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008449.D

Acq: 26 Mar 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

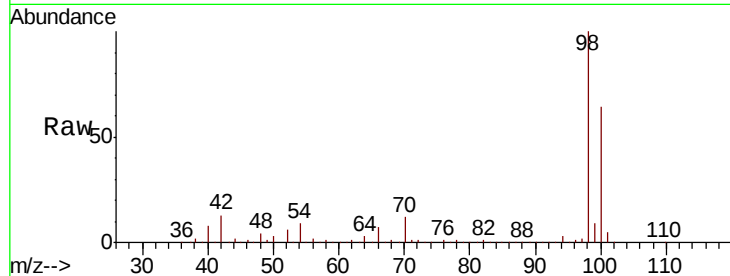
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 493882

Ion Ratio Lower Upper

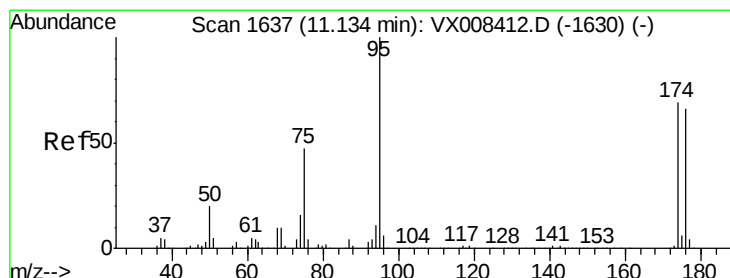
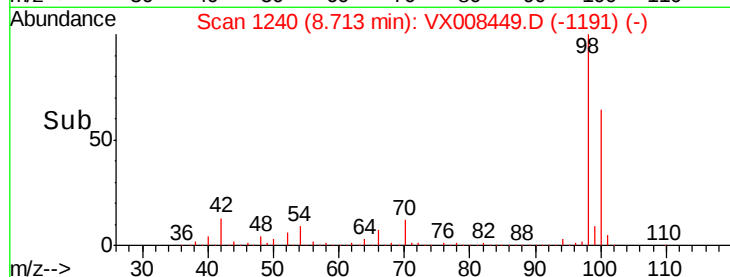
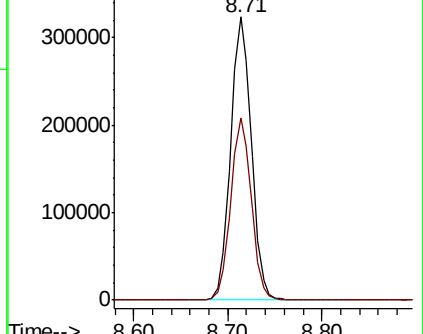
98 100

100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V>



#62

4-Bromofluorobenzene

Concen: 43.702 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008449.D

Acq: 26 Mar 2019 12:11

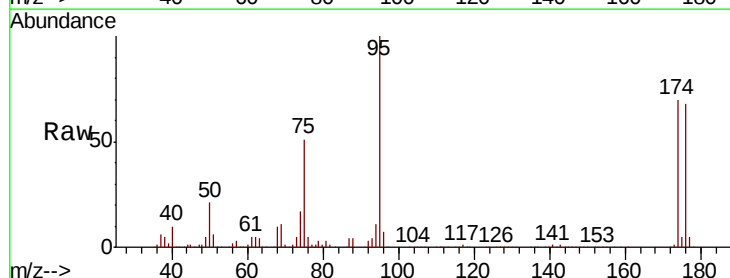
Tgt Ion: 95 Resp: 166076

Ion Ratio Lower Upper

95 100

174 74.2 0.0 147.2

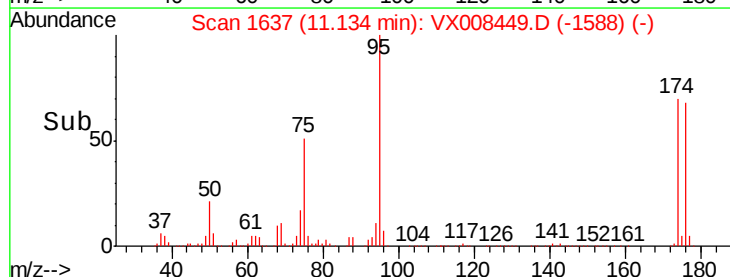
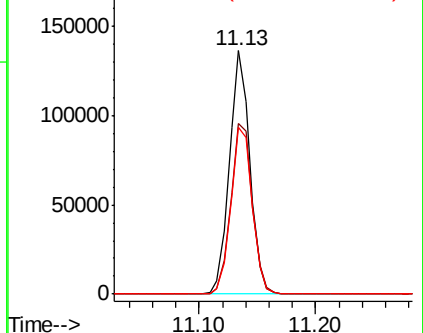
176 72.0 0.0 142.4

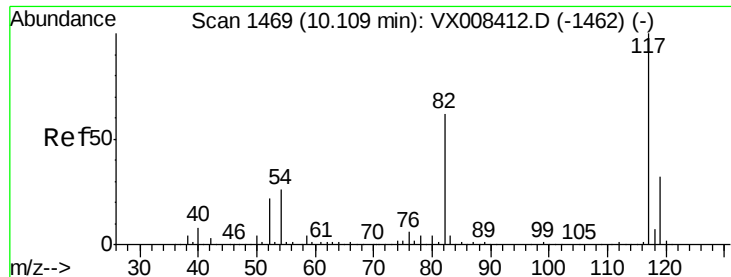


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

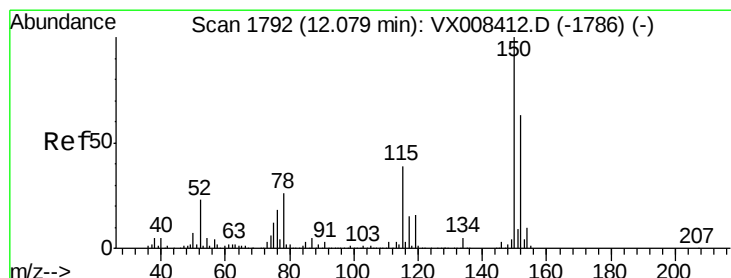
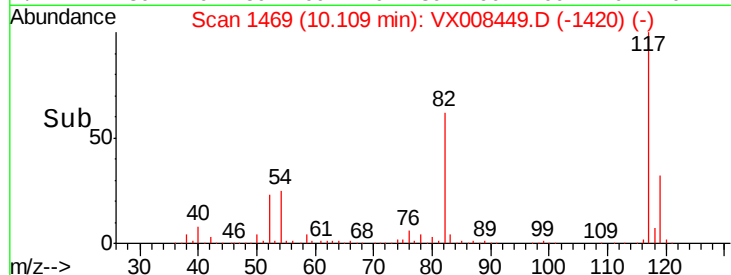
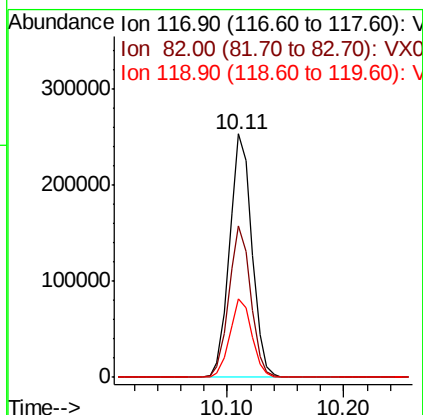
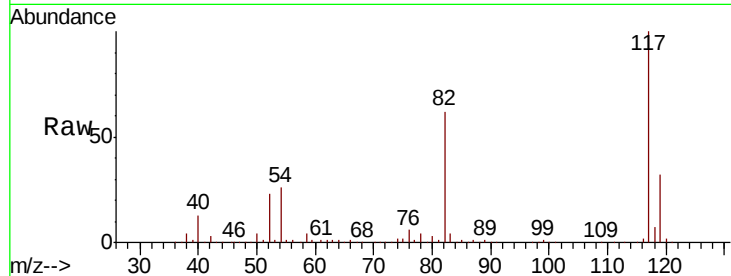




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008449.D
Acq: 26 Mar 2019 12:11

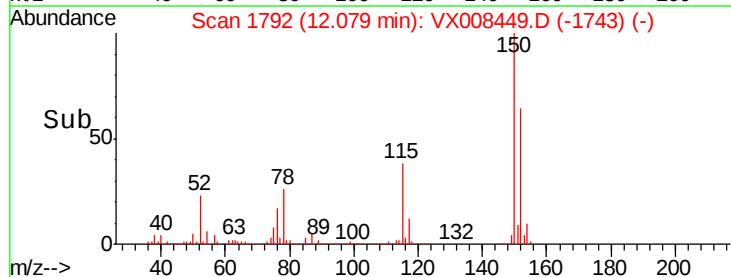
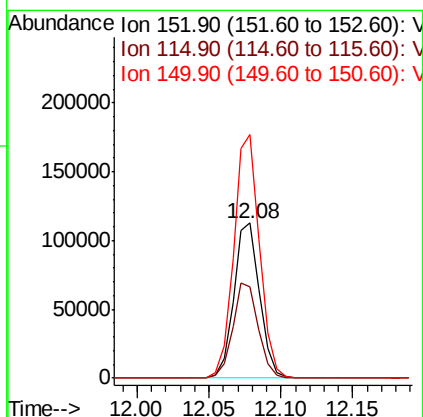
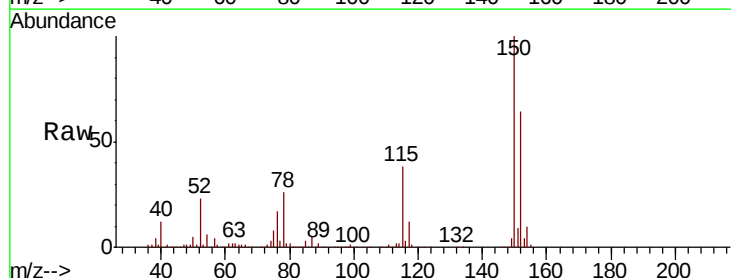
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

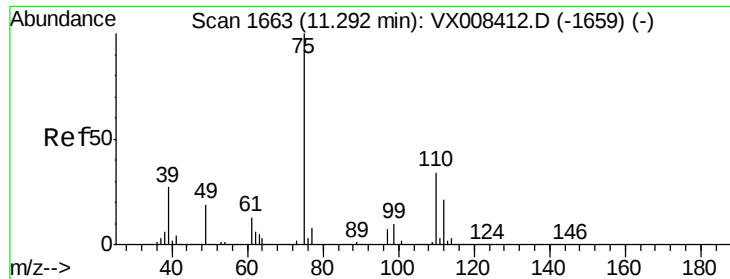
Tot Ion:117 Resp: 338517
Ion Ratio Lower Upper
117 100
82 62.1 49.4 74.2
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008449.D
Acq: 26 Mar 2019 12:11

Tgt Ion:152 Resp: 140334
Ion Ratio Lower Upper
152 100
115 61.3 43.5 130.5
150 156.9 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 20.509 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008449.D

Acq: 26 Mar 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

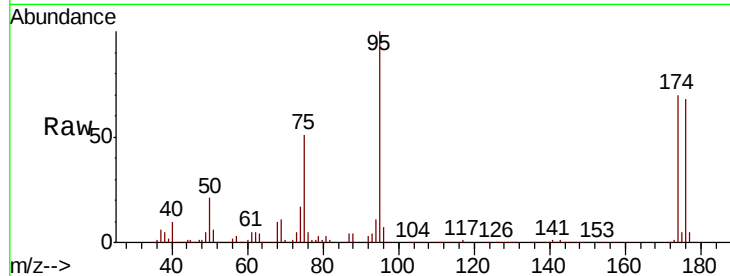
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 85562

Ion Ratio Lower Upper

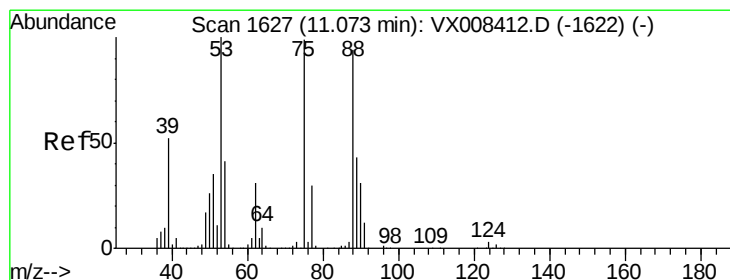
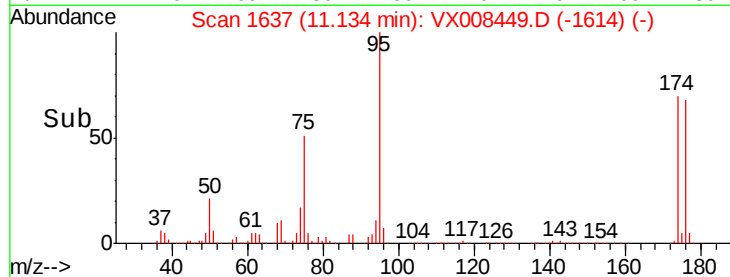
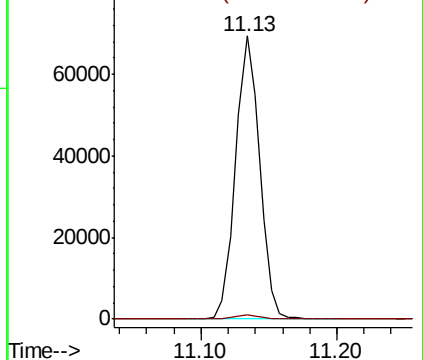
75 100

77 1.3 21.9 65.7#



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: 65.686 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008449.D

Acq: 26 Mar 2019 12:11

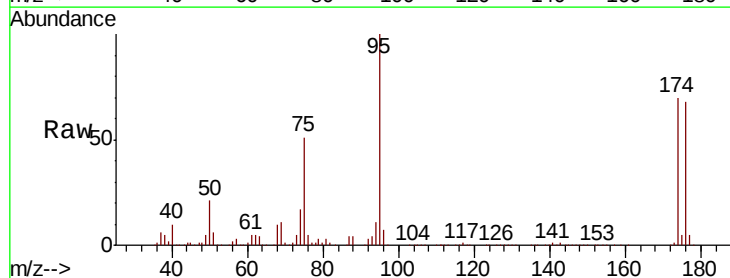
Tgt Ion: 75 Resp: 85562

Ion Ratio Lower Upper

75 100

53 0.2 82.1 123.1#

89 0.0 34.6 52.0#



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

