

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
 Data File : VX009342.D
 Acq On : 06 May 2019 11:58
 Operator : JC/SP
 Sample : K2685-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: May 07 06:34:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	200756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	322696	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	282795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120934	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	130906	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
35) Dibromofluoromethane	5.50	113	99078	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	8.71	98	403127	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.13	95	132762	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	

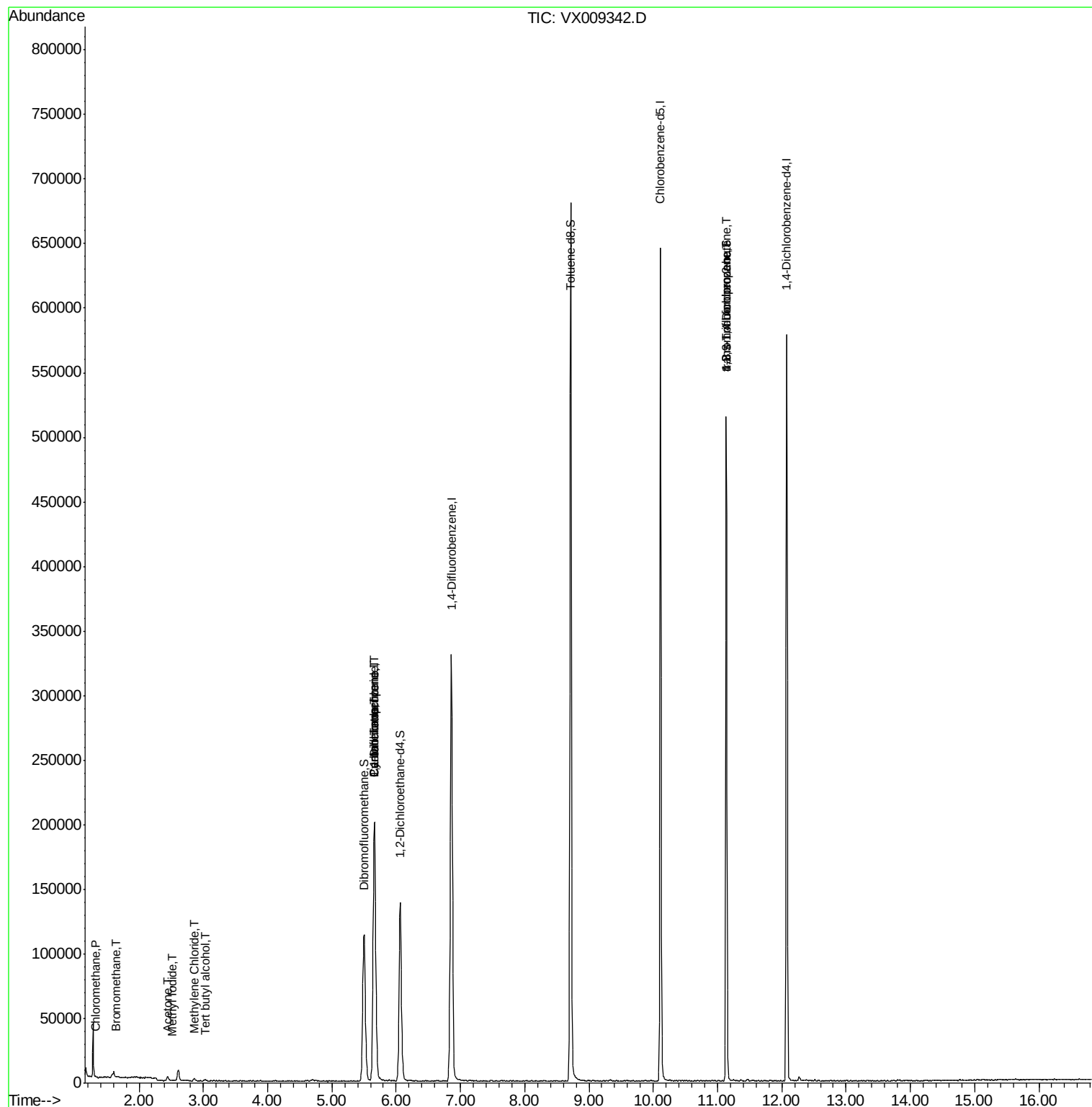
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	699	0.277	ug/l	95
5) Bromomethane	1.65	94	308	0.208	ug/l #	61
10) Methyl Iodide	2.52	142	274	4.708	ug/l #	55
11) Tert butyl alcohol	3.03	59	767	1.209	ug/l #	81
16) Acetone	2.45	43	3675	2.497	ug/l	99
20) Methylene Chloride	2.86	84	797	0.334	ug/l #	94
28) Bromochloromethane	5.01	49	21	Below Cal	#	20
31) Cyclohexane	5.67	56	4557	1.125	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15263	5.090	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18174	6.670	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	67309	23.994	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	67309	61.392	ug/l #	10

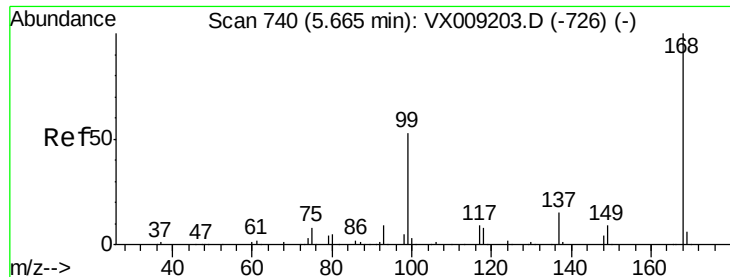
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Sat May 04 07:18:36 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: VX009342.D

Acq: 06 May 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

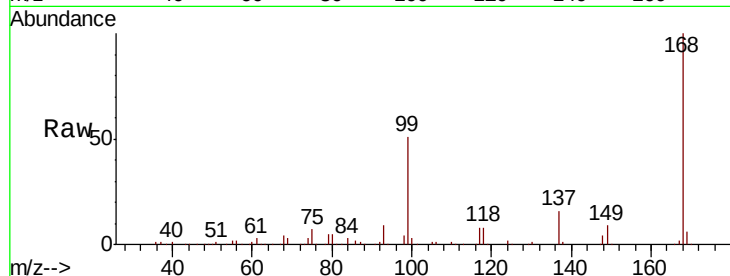
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 200756

Ion Ratio Lower Upper

168 100

99 50.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

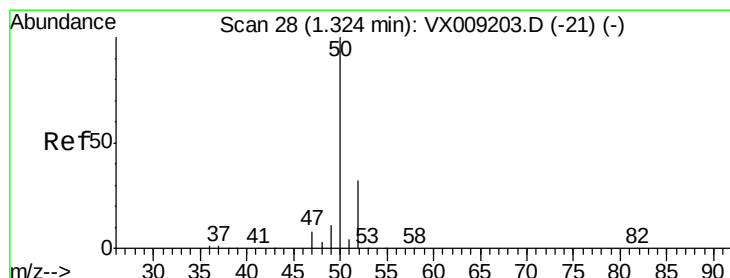
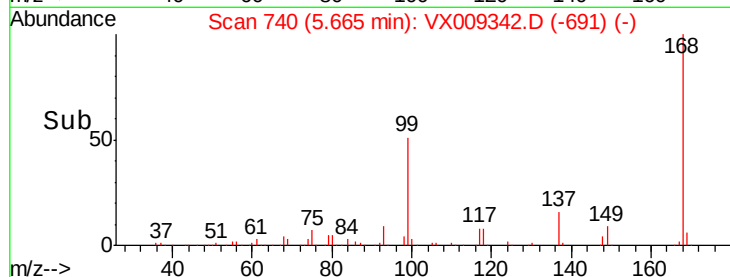
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.277 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009342.D

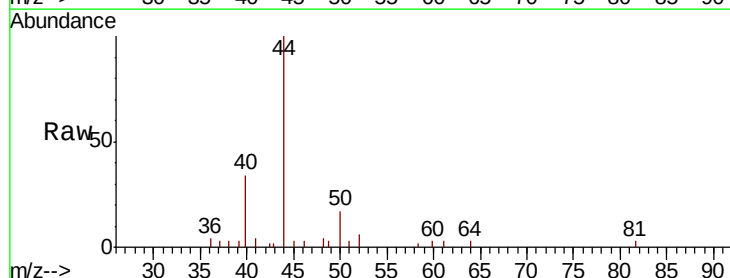
Acq: 06 May 2019 11:58

Tgt Ion: 50 Resp: 699

Ion Ratio Lower Upper

50 100

52 35.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

300

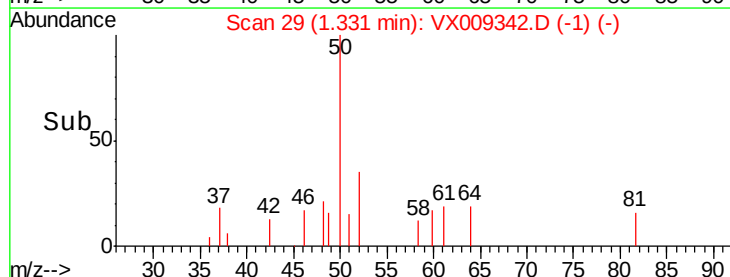
200

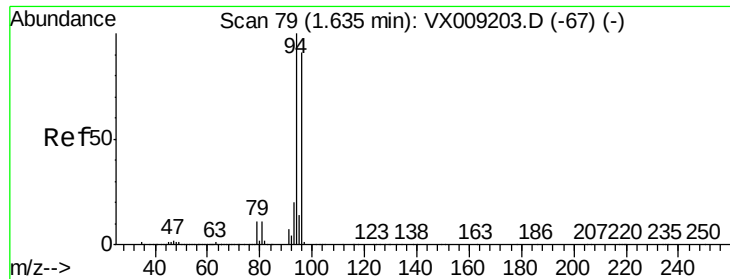
100

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 0.208 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009342.D

Acq: 06 May 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

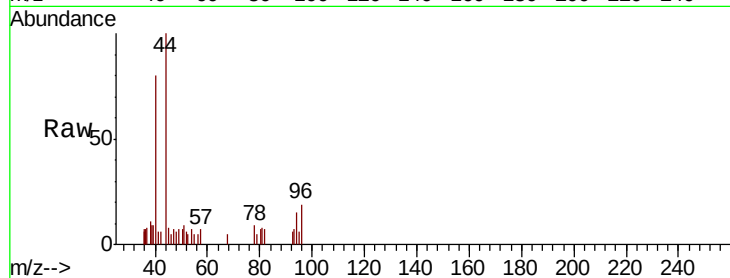
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 308

Ion Ratio Lower Upper

94 100

96 128.5 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

150

100

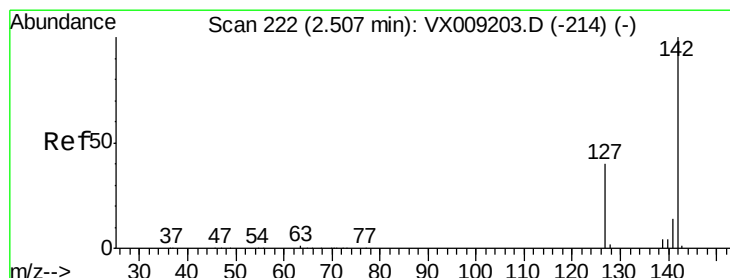
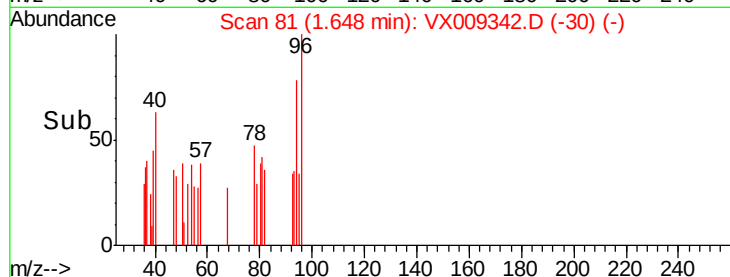
50

0

1.65

1.70

Time-->



#10

Methyl Iodide

Concen: 4.708 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009342.D

Acq: 06 May 2019 11:58

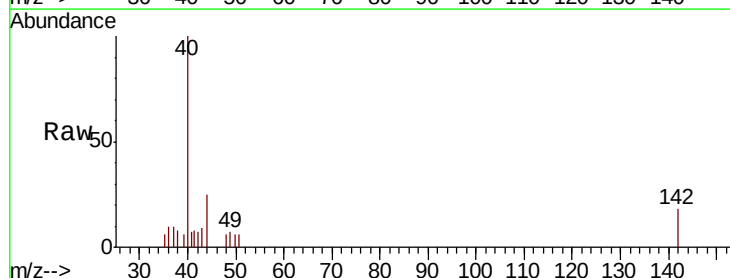
Tgt Ion: 142 Resp: 274

Ion Ratio Lower Upper

142 100

127 10.9 32.7 49.1#

141 0.0 11.5 17.3#



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

200

150

100

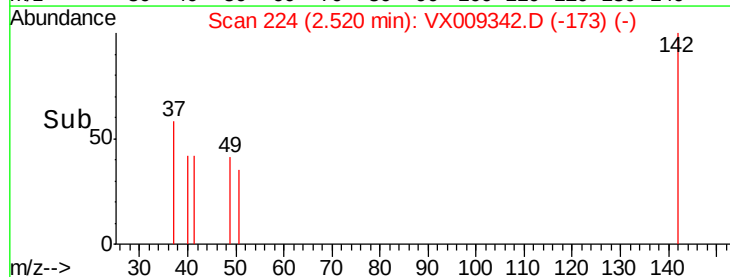
50

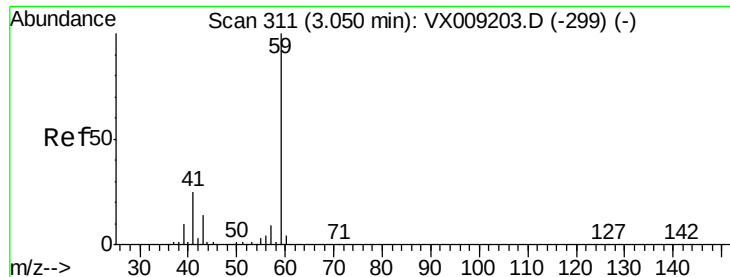
0

2.50

2.55

Time-->

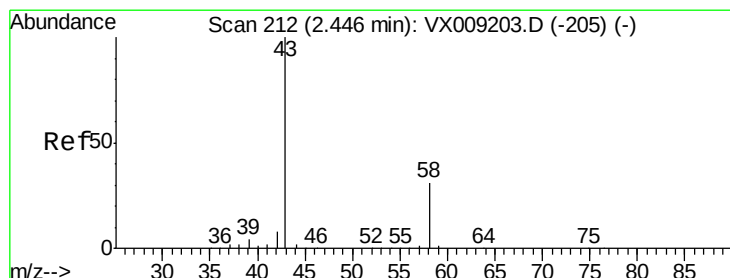
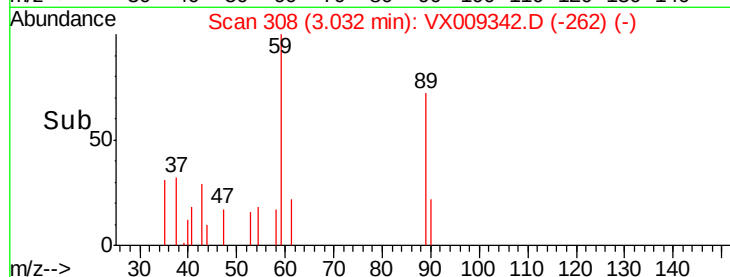
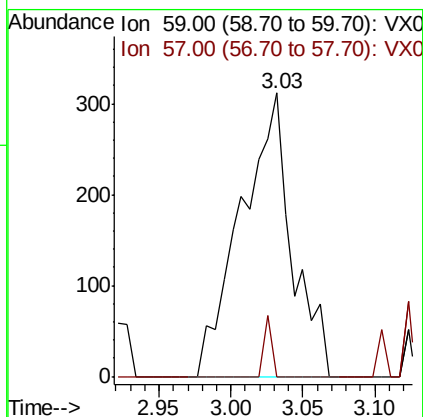
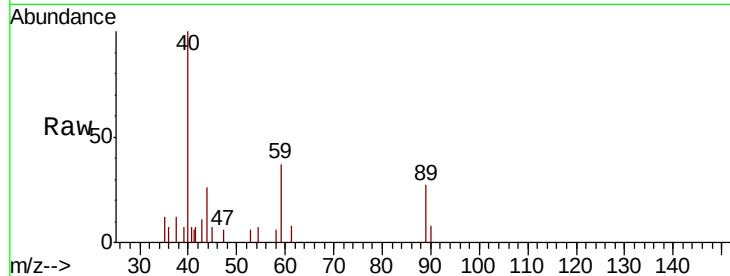




#11
Tert butyl alcohol
Concen: 1.209 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009342.D
Acq: 06 May 2019 11:58

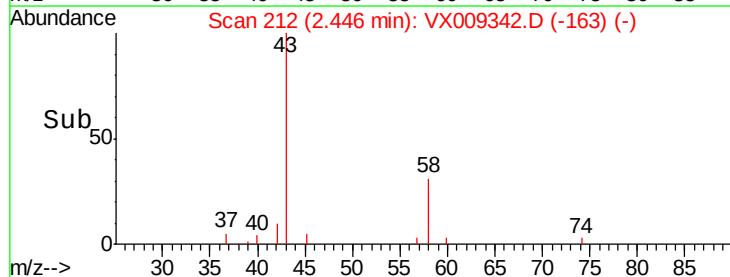
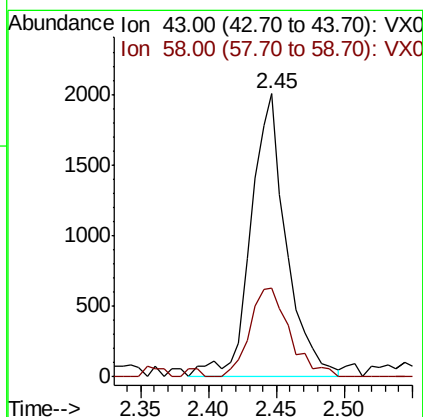
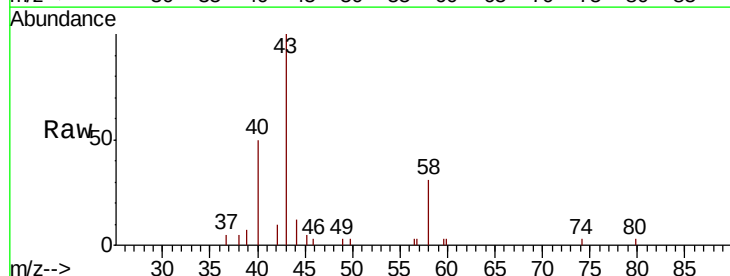
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

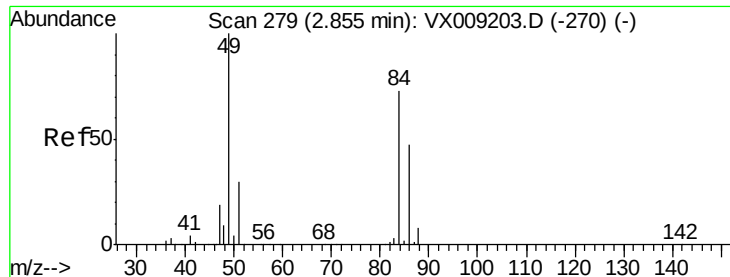
Tot Ion: 59 Resp: 767
Ion Ratio Lower Upper
59 100
57 3.3 8.2 12.2#



#16
Acetone
Concen: 2.497 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX009342.D
Acq: 06 May 2019 11:58

Tgt Ion: 43 Resp: 3675
Ion Ratio Lower Upper
43 100
58 31.5 24.9 37.3

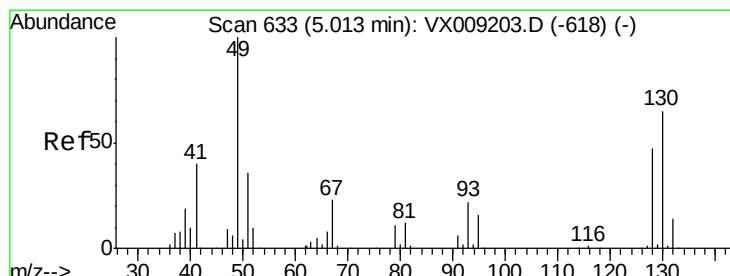
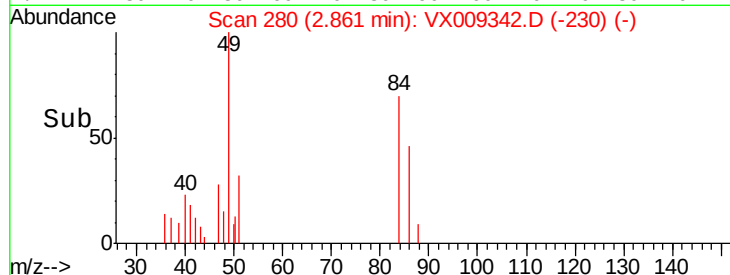
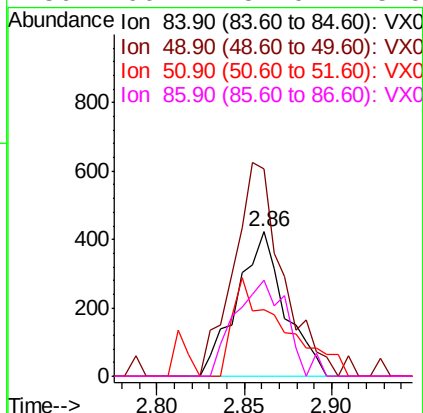
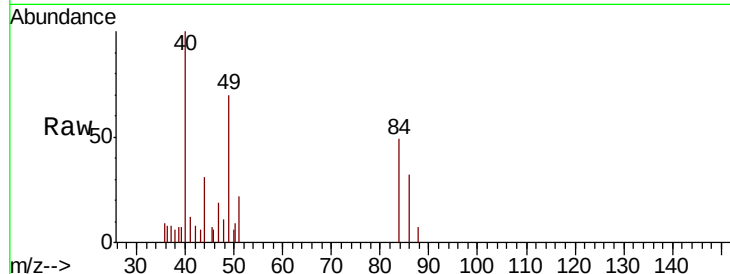




#20
Methylene Chloride
Concen: 0.334 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009342.D
Acq: 06 May 2019 11:58

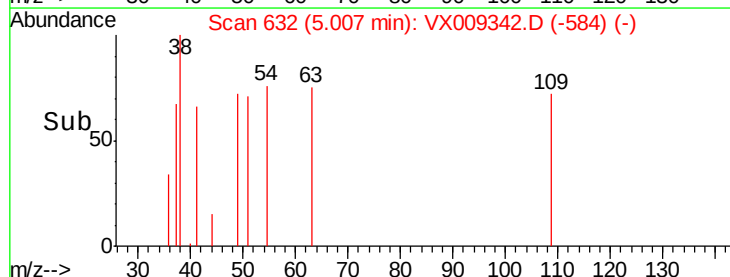
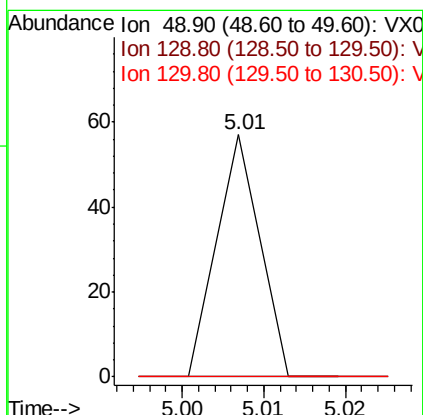
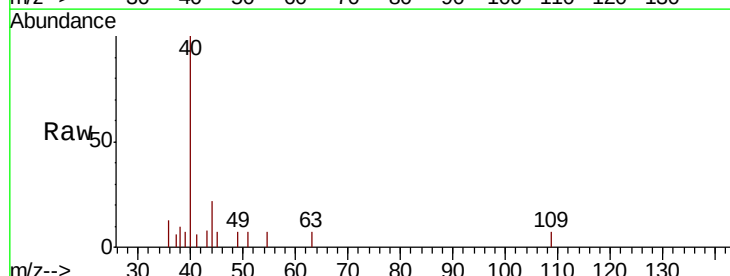
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

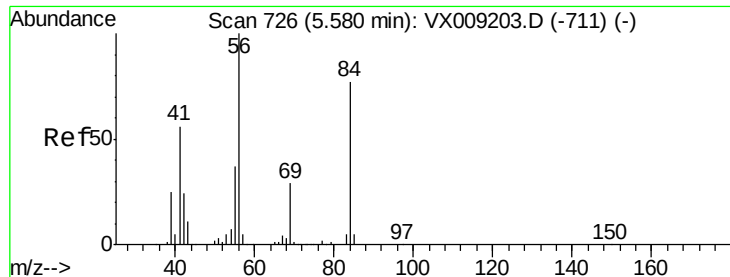
Tot Ion: 84 Resp: 797
Ion Ratio Lower Upper
84 100
49 143.8 109.9 164.9
51 31.0 32.7 49.1#
86 66.4 52.0 78.0



#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX009342.D
Acq: 06 May 2019 11:58

Tgt Ion: 49 Resp: 21
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#

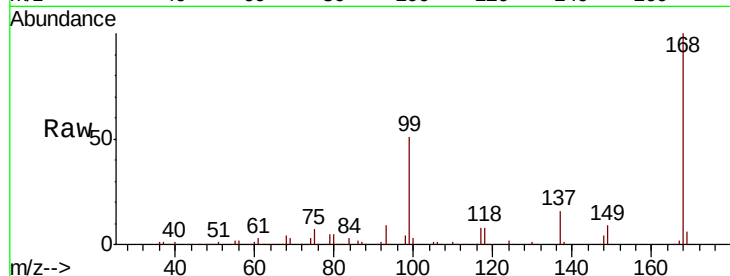




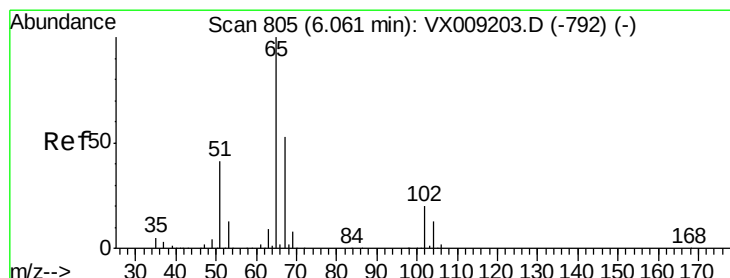
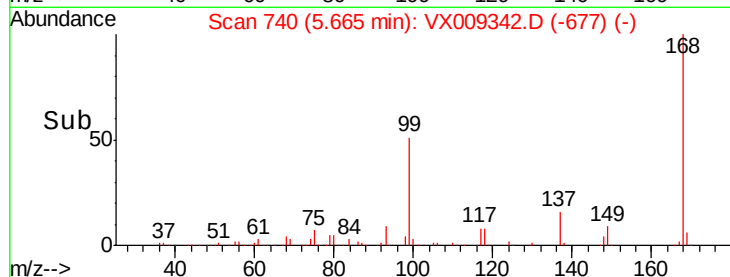
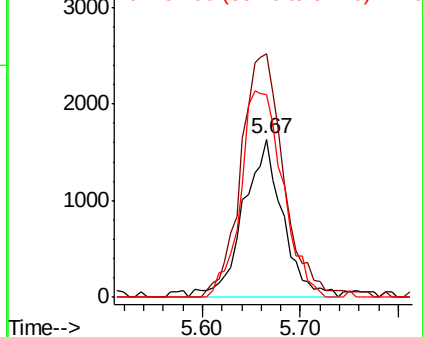
#31
Cyclohexane
Concen: 1.125 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009342.D
Acq: 06 May 2019 11:58

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	154.0	23.4	35.0#
84	128.2	61.9	92.9#

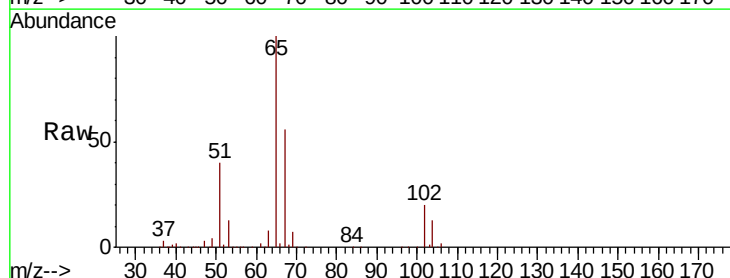


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

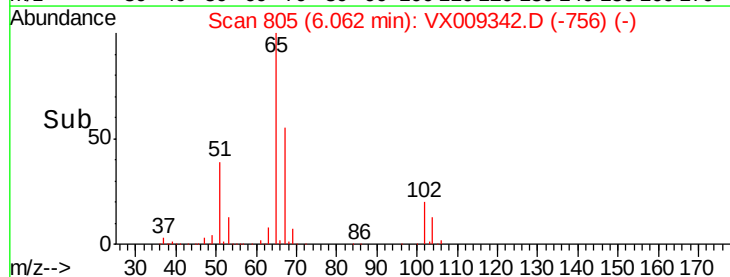
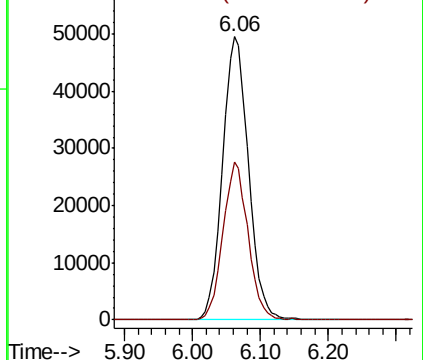


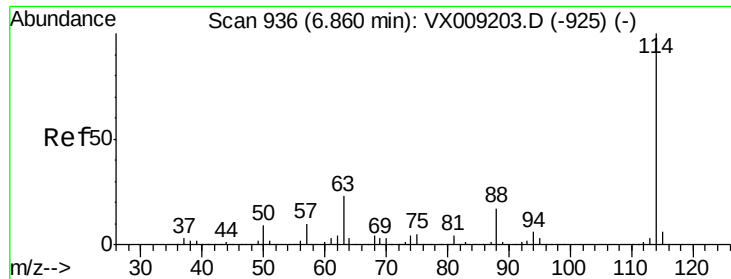
#33
1,2-Dichloroethane-d4
Concen: 47.766 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009342.D
Acq: 06 May 2019 11:58

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

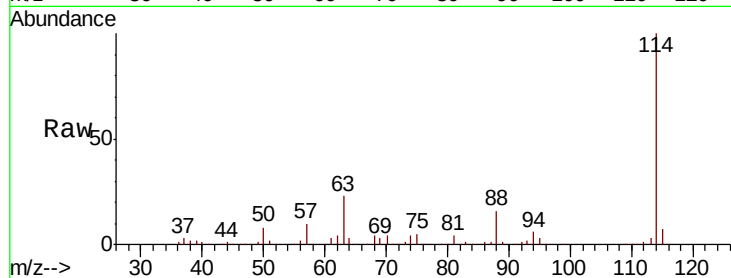




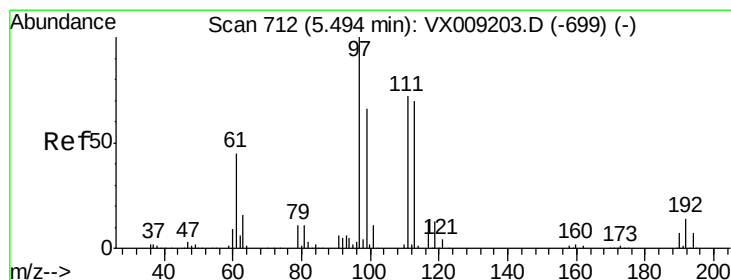
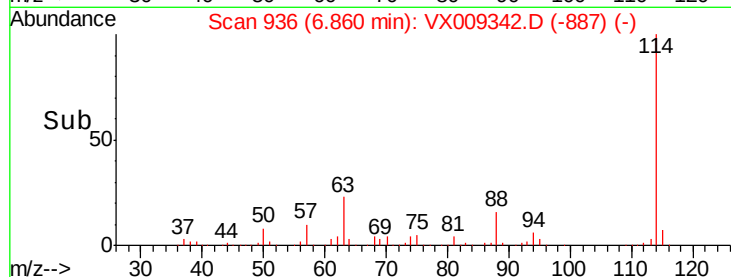
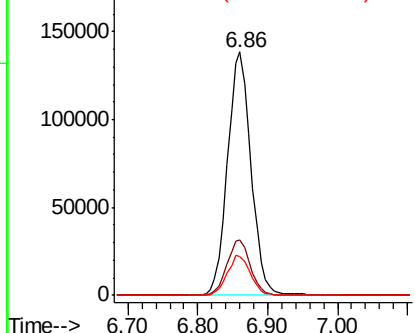
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX009342.D
Acq: 06 May 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion:114 Resp: 322696
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.6
88 16.2 0.0 33.2

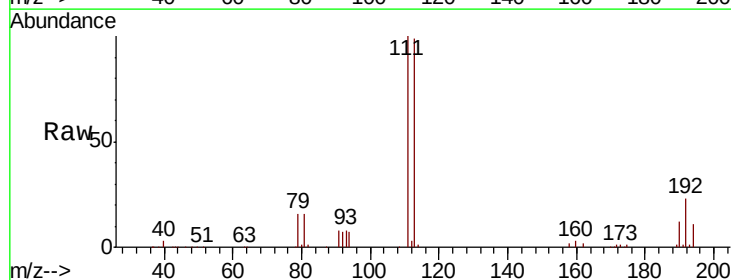


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

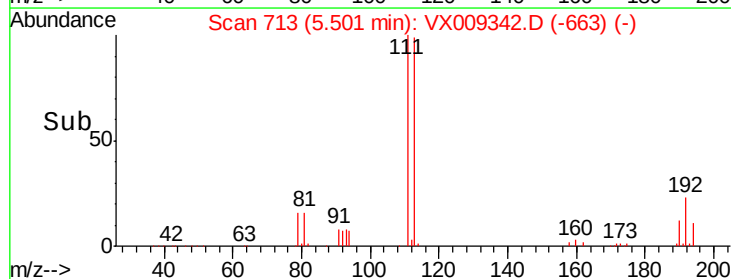
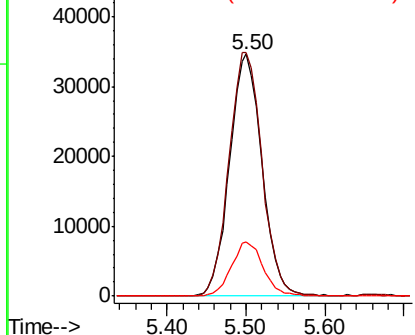


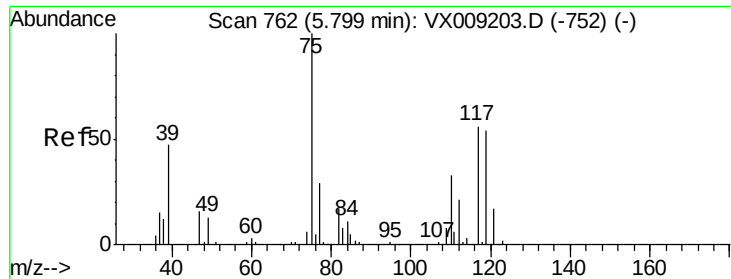
#35
Dibromofluoromethane
Concen: 48.841 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009342.D
Acq: 06 May 2019 11:58

Tgt Ion:113 Resp: 99078
Ion Ratio Lower Upper
113 100
111 102.6 82.8 124.2
192 22.0 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

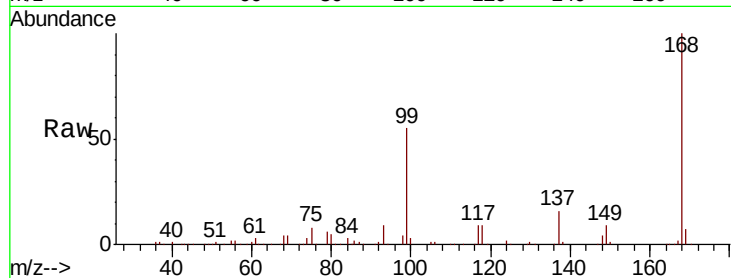




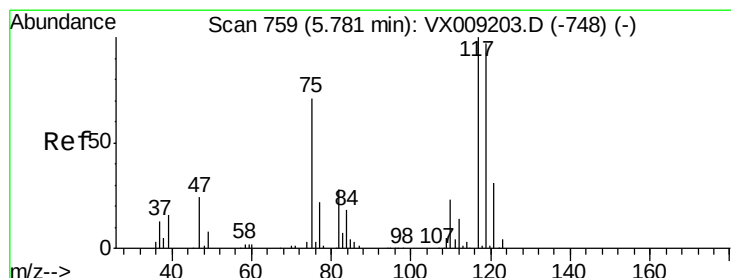
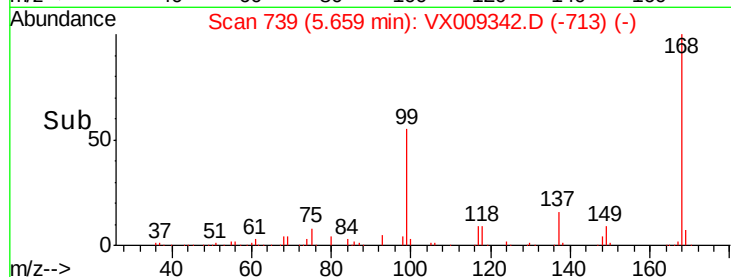
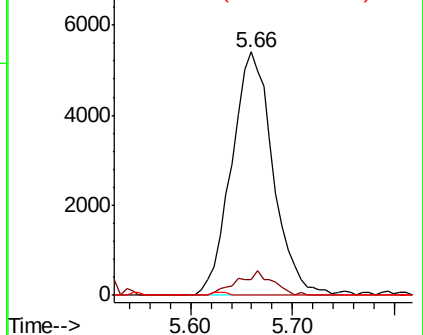
#36
 1,1-Dichloropropene
 Concen: 5.090 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009342.D
 Acq: 06 May 2019 11:58

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

Tot Ion: 75 Resp: 15263
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.6#
 77 0.0 24.8 37.2#

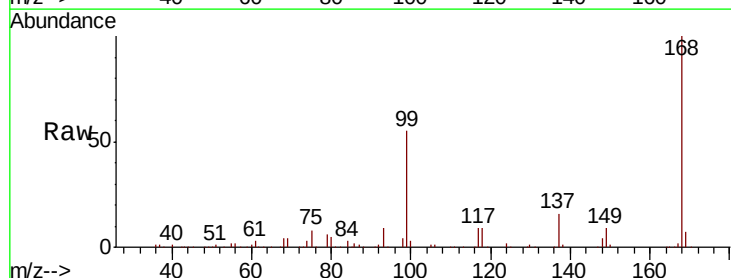


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

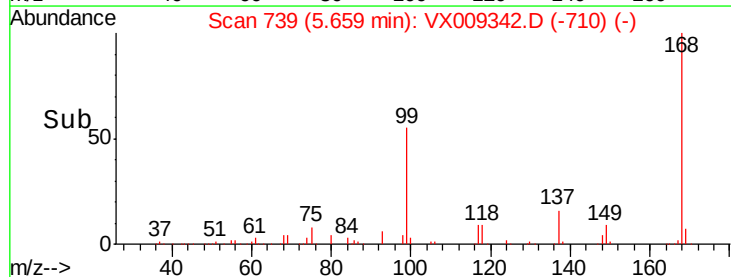
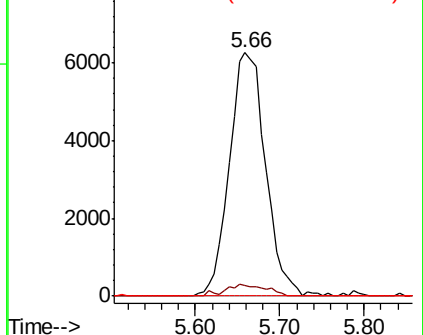


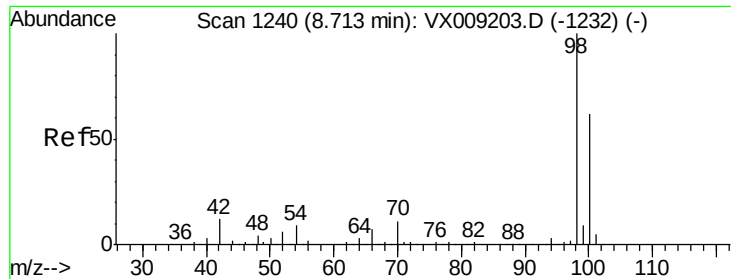
#38
 Carbon Tetrachloride
 Concen: 6.670 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009342.D
 Acq: 06 May 2019 11:58

Tgt Ion: 117 Resp: 18174
 Ion Ratio Lower Upper
 117 100
 119 4.2 77.5 116.3#
 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





#50

Toluene-d8

Concen: 49.222 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009342.D

Acq: 06 May 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

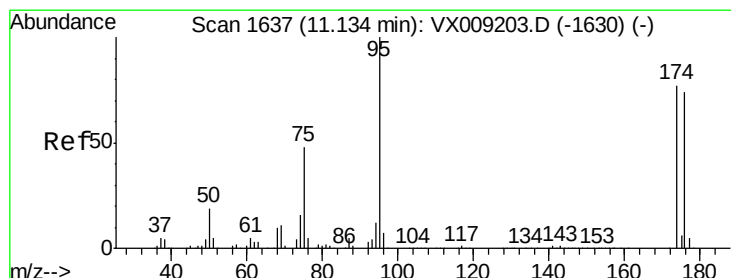
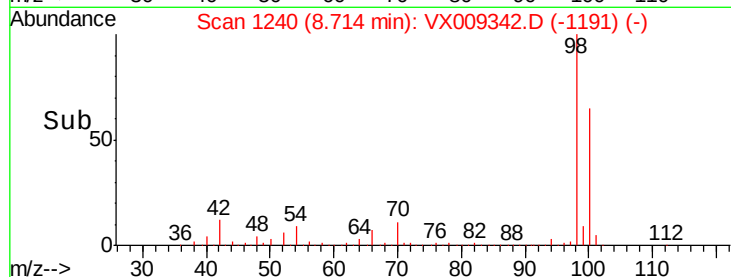
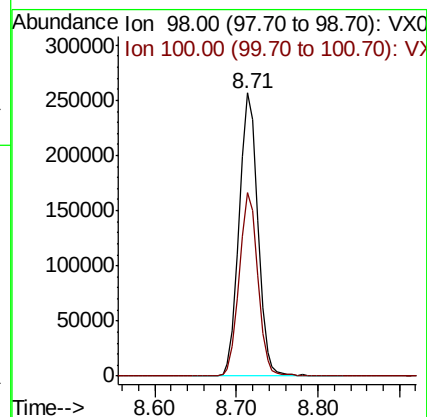
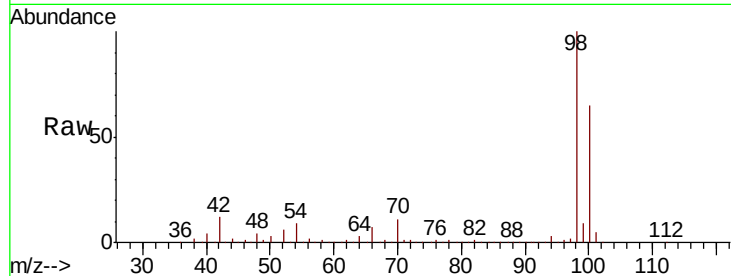
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 403127

Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 44.612 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009342.D

Acq: 06 May 2019 11:58

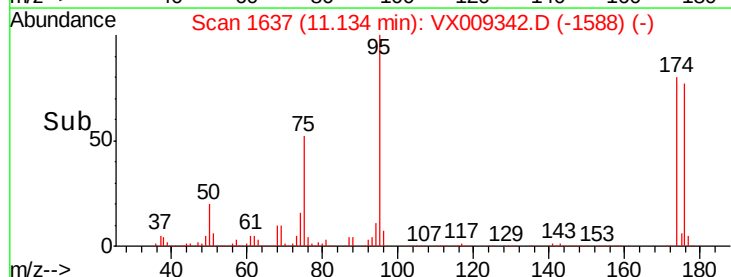
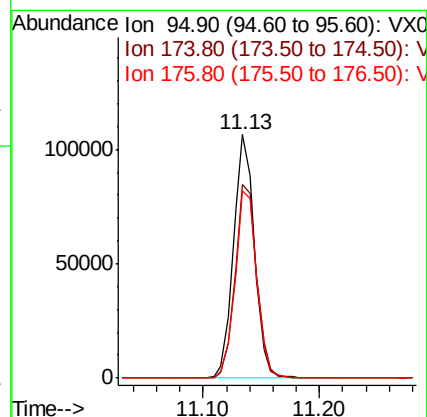
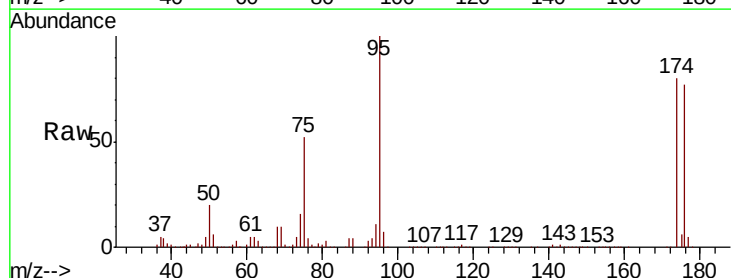
Tgt Ion: 95 Resp: 132762

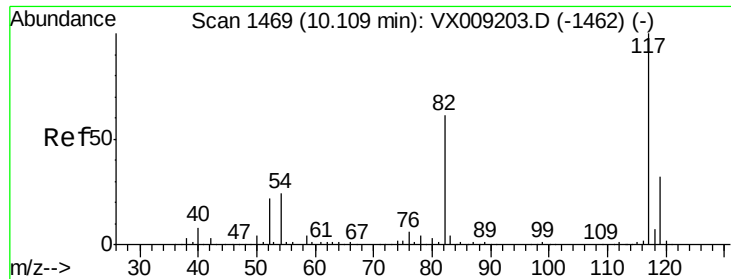
Ion Ratio Lower Upper

95 100

174 82.8 0.0 161.6

176 80.0 0.0 159.2

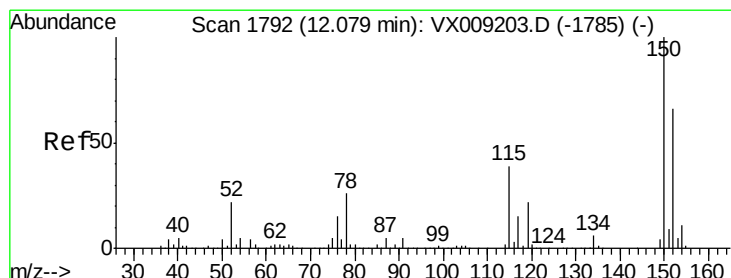
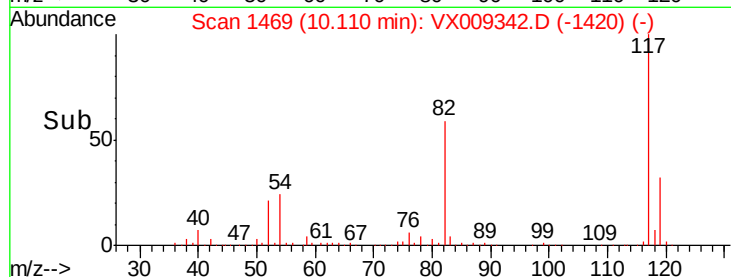
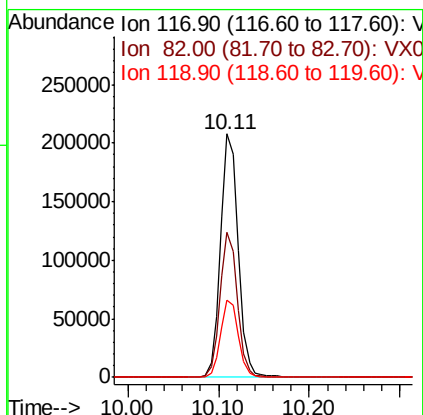
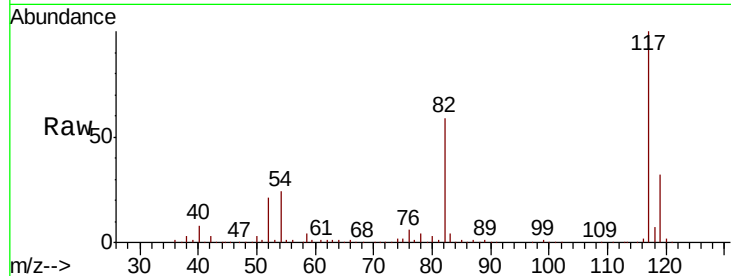




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009342.D
Acq: 06 May 2019 11:58

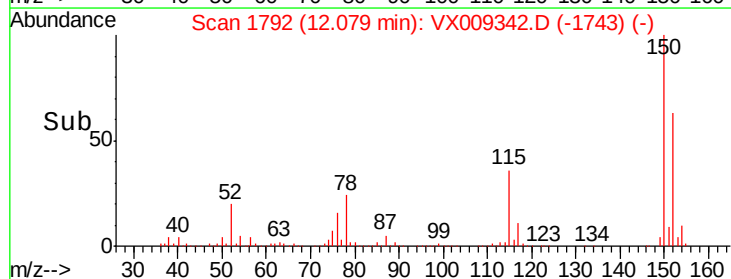
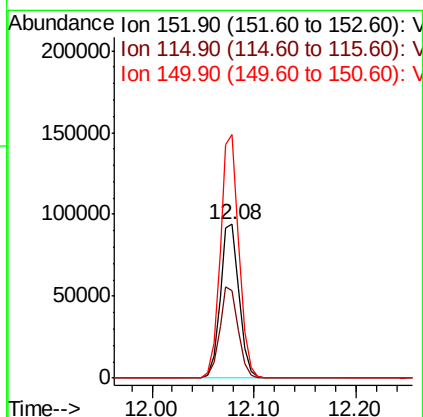
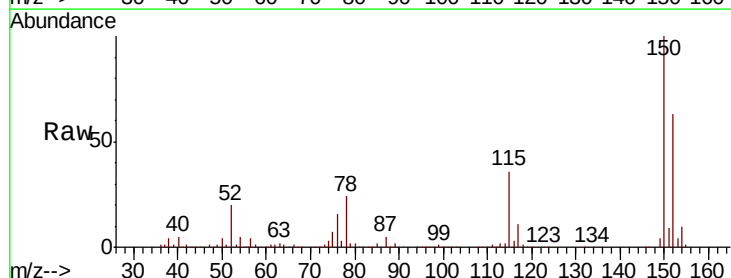
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

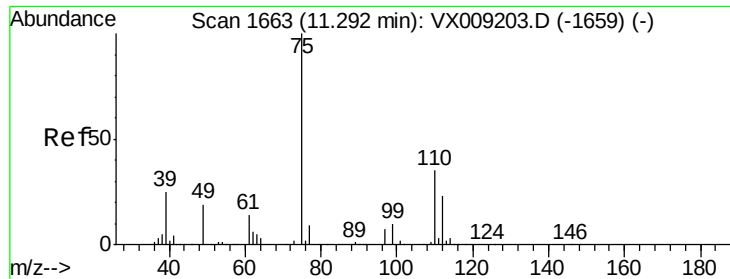
Tot Ion:117 Resp: 282795
Ion Ratio Lower Upper
117 100
82 59.3 48.8 73.2
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009342.D
Acq: 06 May 2019 11:58

Tgt Ion:152 Resp: 120934
Ion Ratio Lower Upper
152 100
115 58.4 41.2 123.6
150 156.3 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 23.994 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009342.D

Acq: 06 May 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

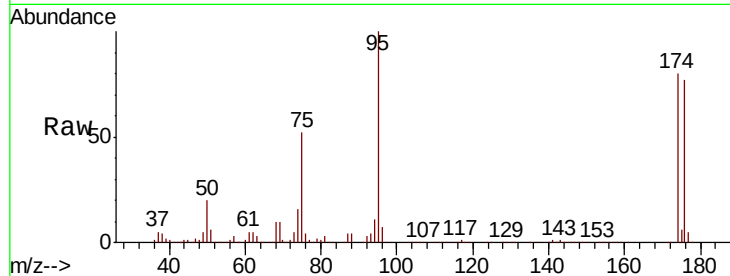
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 67309

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

50000

40000

30000

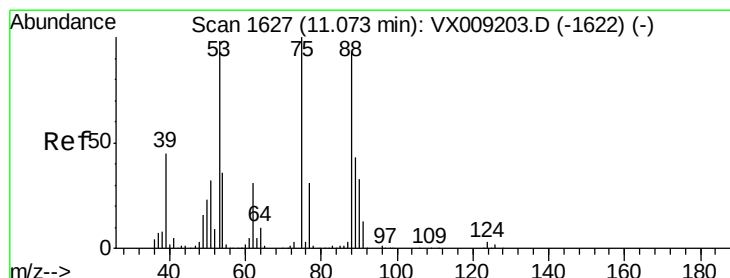
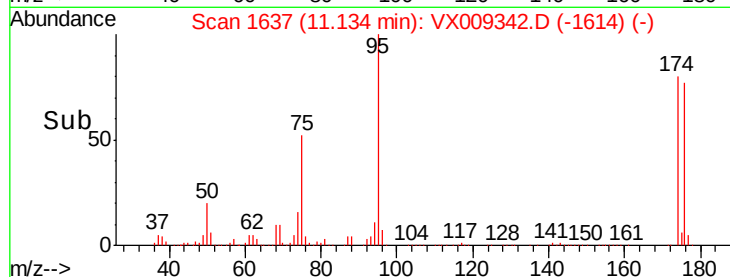
20000

10000

0

11.10 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.392 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009342.D

Acq: 06 May 2019 11:58

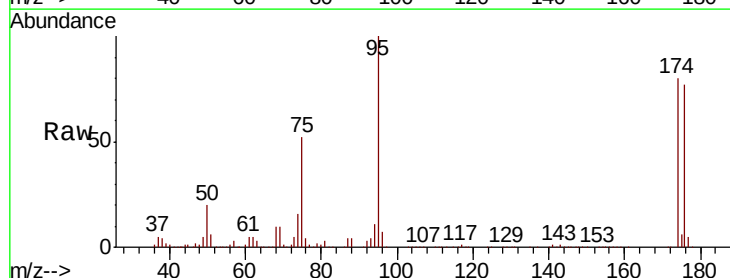
Tgt Ion: 75 Resp: 67309

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



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

60000

40000

20000

0

11.10 11.20

Time-->

