

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042219\
 Data File : VX009091.D
 Acq On : 22 Apr 2019 12:52
 Operator : JC/SP
 Sample : K2488-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Apr 23 02:32:34 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	246886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	398009	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	341330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143270	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	162442	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
35) Dibromofluoromethane	5.50	113	120444	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
50) Toluene-d8	8.71	98	494394	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	11.13	95	162288	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	

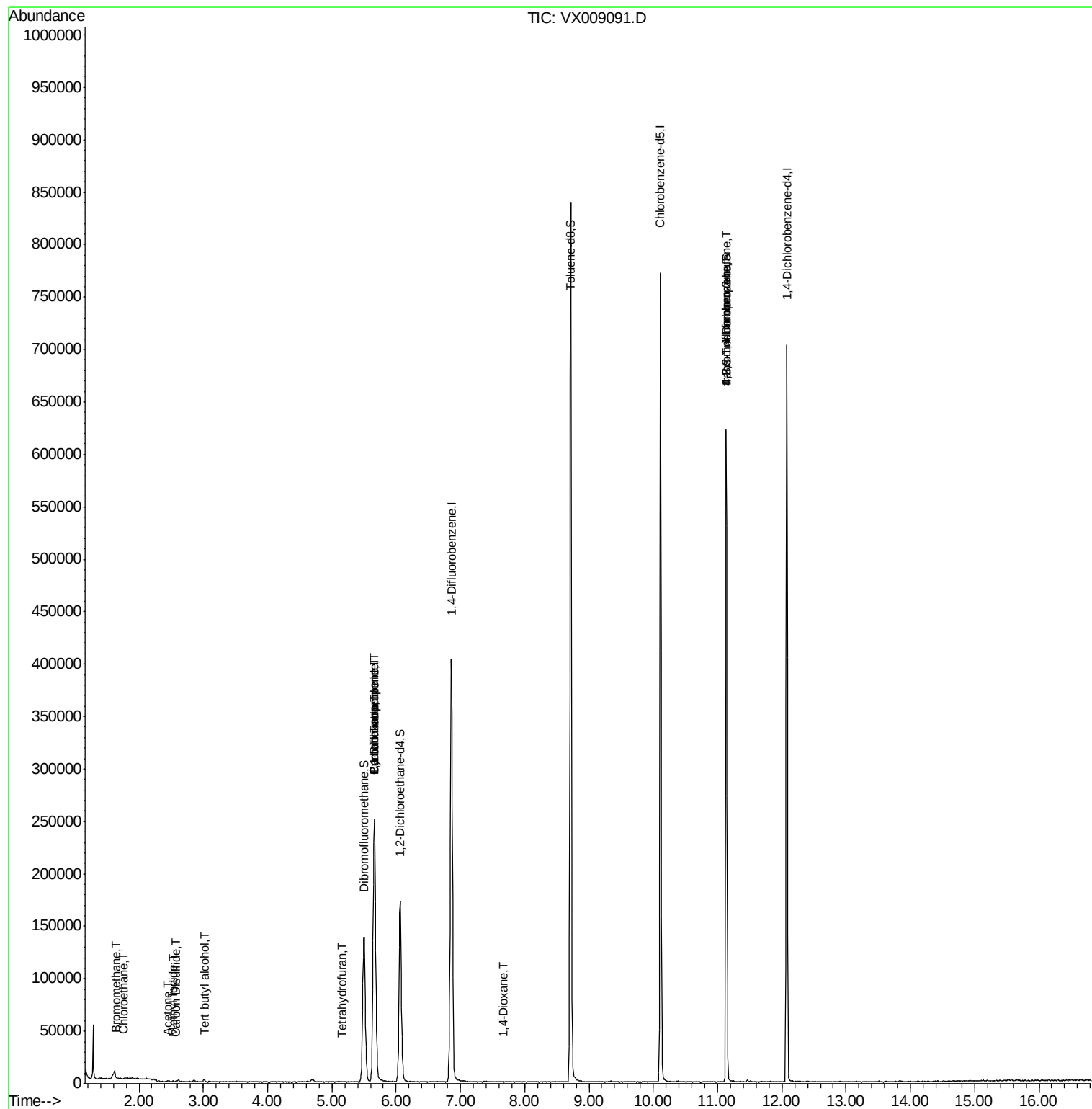
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	512	4.070	ug/l	83
6) Chloroethane	1.75	64	1762	0.882	ug/l #	46
10) Methyl Iodide	2.52	142	247	4.496	ug/l #	82
11) Tert butyl alcohol	3.02	59	1328	1.720	ug/l #	85
16) Acetone	2.44	43	1525	0.845	ug/l	94
17) Carbon Disulfide	2.57	76	677	1.337	ug/l #	71
28) Bromochloromethane	5.05	49	22	Below Cal	#	21
29) Tetrahydrofuran	5.15	42	421	0.218	ug/l #	69
31) Cyclohexane	5.66	56	5729	1.034	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	19050	4.628	ug/l #	50
38) Carbon Tetrachloride	5.66	117	23048	6.605	ug/l #	18
49) 1,4-Dioxane	7.67	88	19	0.241	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	81028	23.162	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	81028	59.462	ug/l #	11

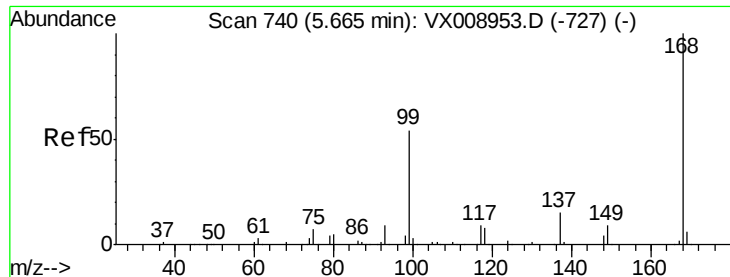
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009091.D

Acq: 22 Apr 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

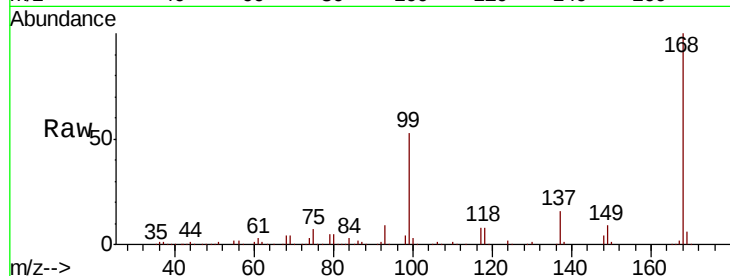
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 246886

Ion Ratio Lower Upper

168 100

99 53.2 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

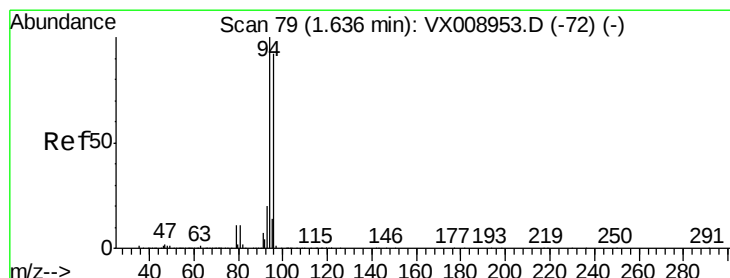
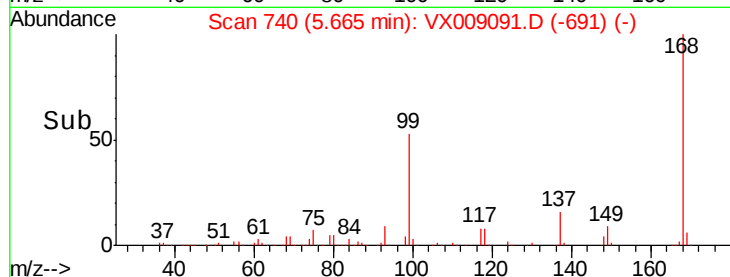
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.070 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009091.D

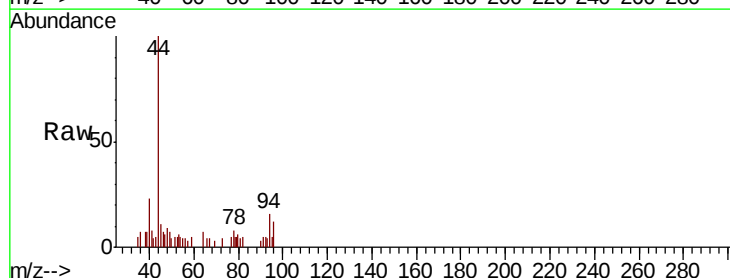
Acq: 22 Apr 2019 12:52

Tgt Ion: 94 Resp: 512

Ion Ratio Lower Upper

94 100

96 75.9 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

150

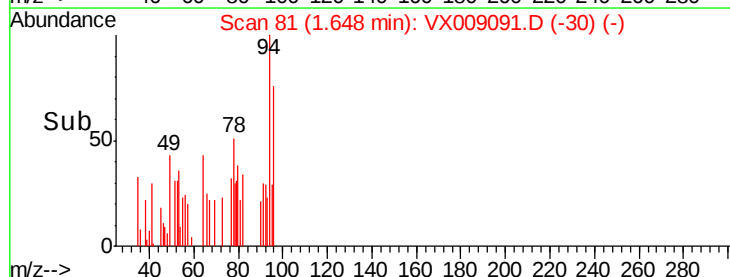
100

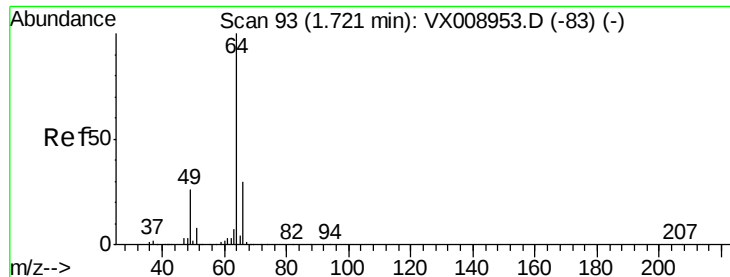
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.882 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.03 min

Lab File: VX009091.D

Acq: 22 Apr 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

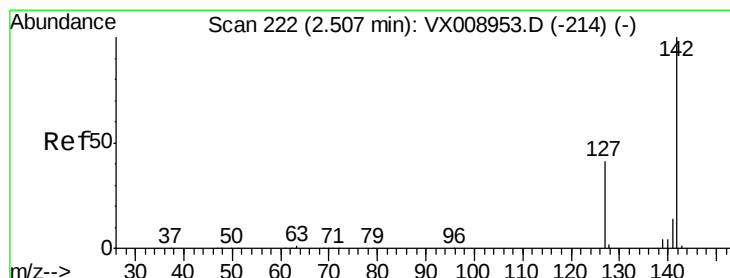
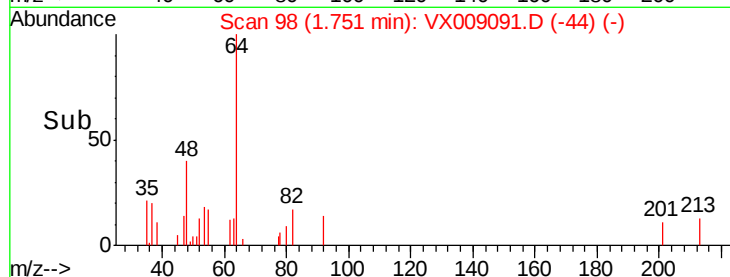
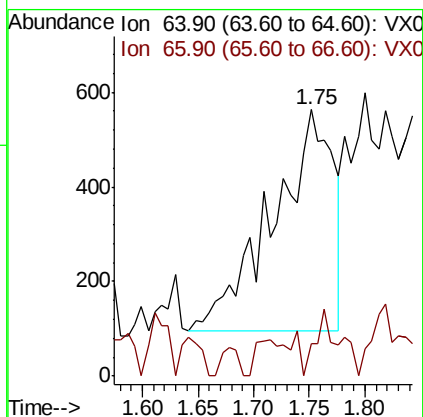
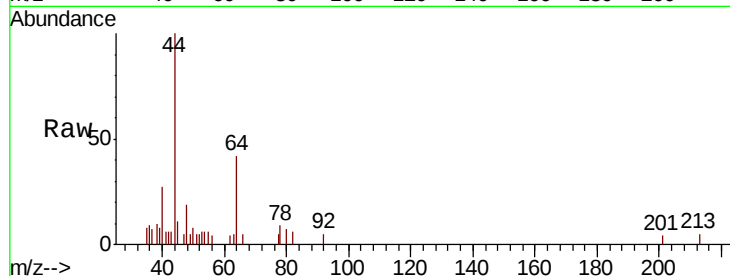
STORAGE-BLANK-WATER-REF-4

Tot Ion: 64 Resp: 1762

Ion Ratio Lower Upper

64 100

66 0.9 24.2 36.2#



#10

Methyl Iodide

Concen: 4.496 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009091.D

Acq: 22 Apr 2019 12:52

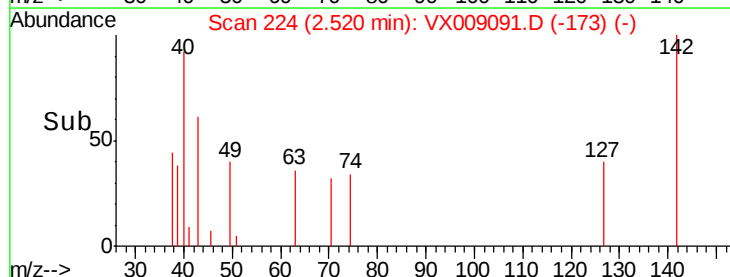
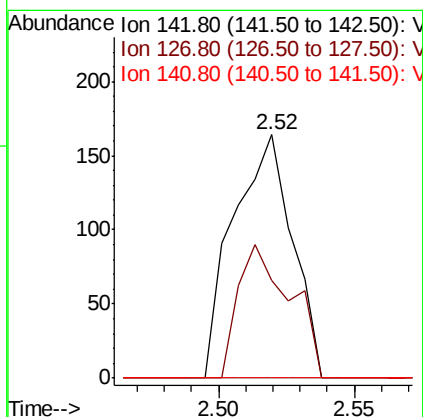
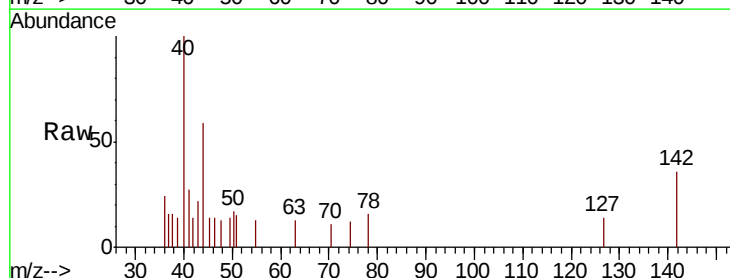
Tgt Ion: 142 Resp: 247

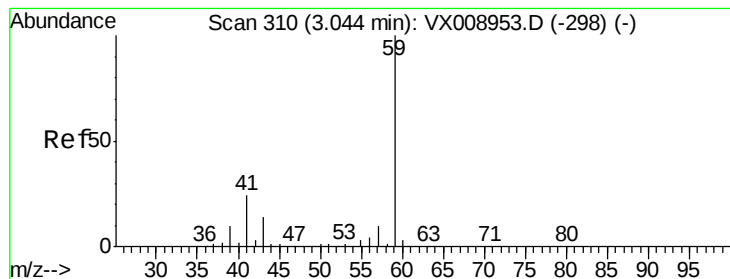
Ion Ratio Lower Upper

142 100

127 48.6 32.8 49.2

141 0.0 11.4 17.2#



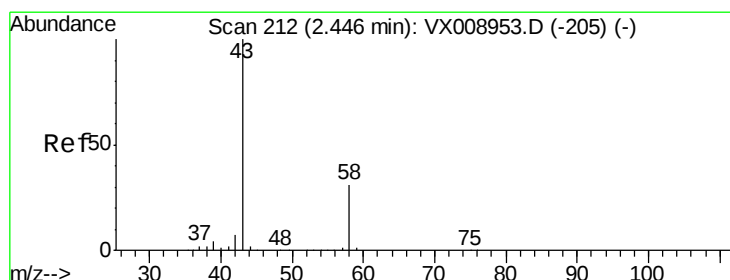
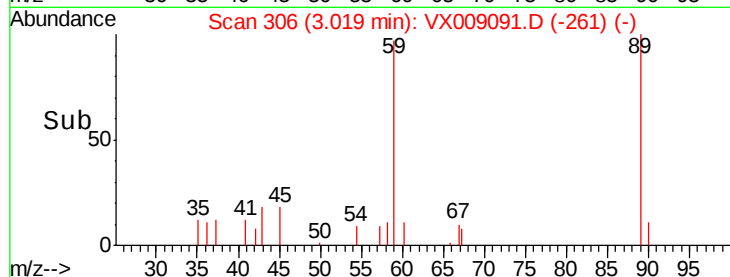
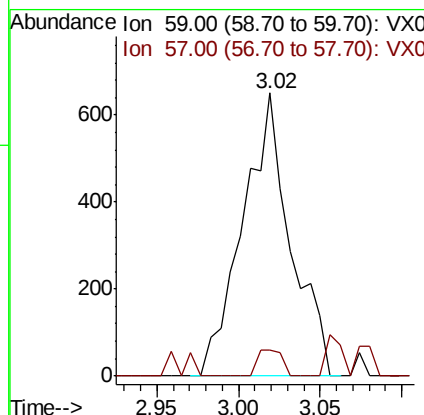
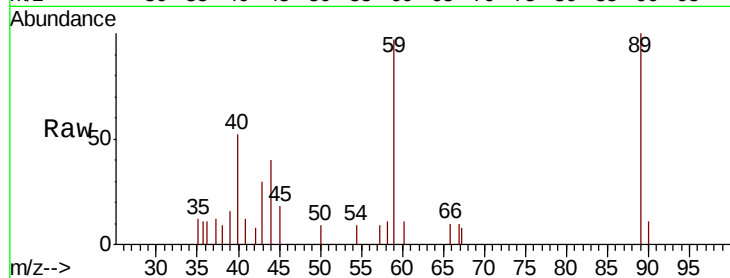


#11

Tert butyl alcohol
 Concen: 1.720 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.02 min
 Lab File: VX009091.D
 Acq: 22 Apr 2019 12:52

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

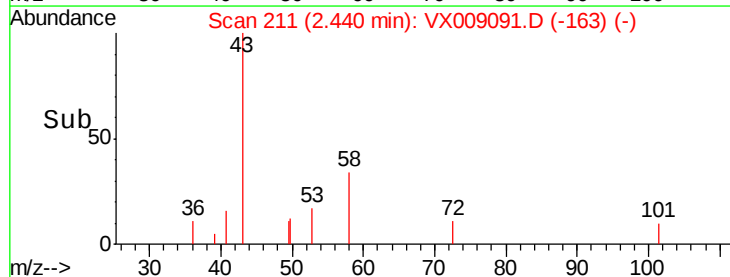
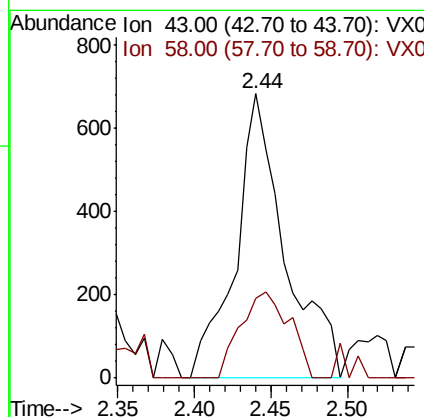
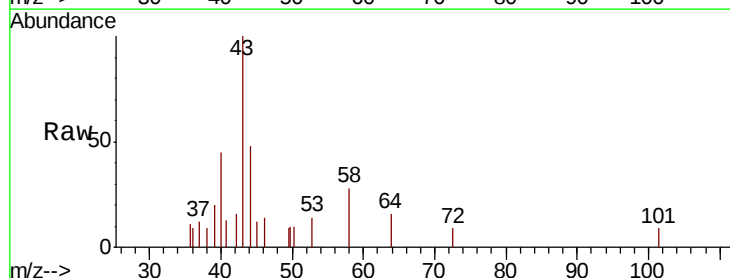
Tot Ion: 59 Resp: 1328
 Ion Ratio Lower Upper
 59 100
 57 4.7 8.4 12.6#

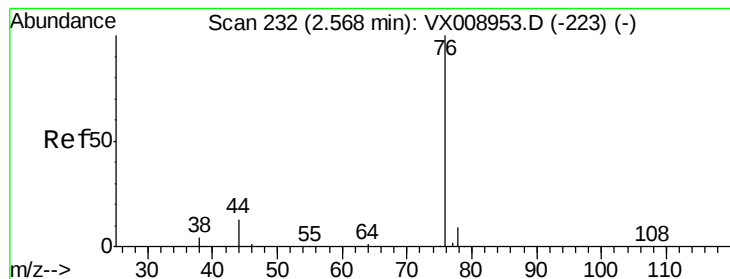


#16

Acetone
 Concen: 0.845 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX009091.D
 Acq: 22 Apr 2019 12:52

Tgt Ion: 43 Resp: 1525
 Ion Ratio Lower Upper
 43 100
 58 27.6 24.8 37.2





#17

Carbon Disulfide

Concen: 1.337 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009091.D

Acq: 22 Apr 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

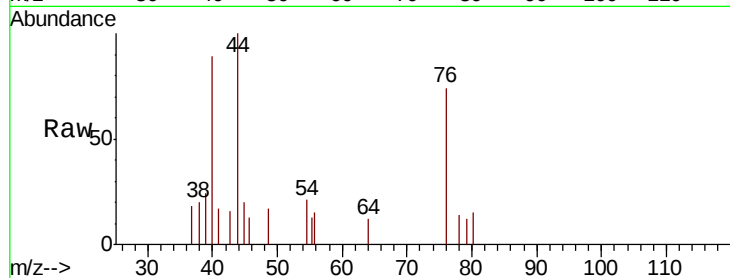
STORAGE-BLANK-WATER-REF-4

Tot Ion: 76 Resp: 677

Ion Ratio Lower Upper

76 100

78 19.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

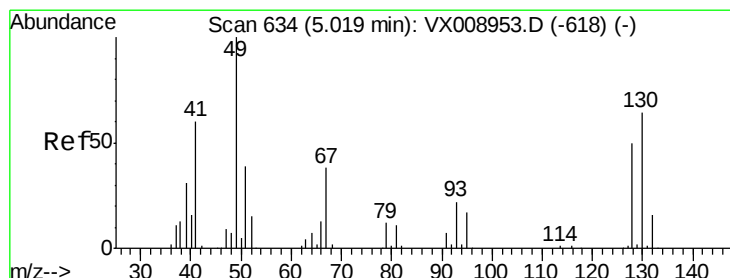
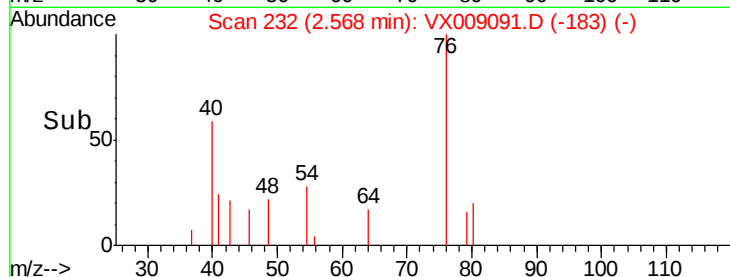
300

200

100

0

Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 5.05 min Scan# 639

Delta R.T. 0.03 min

Lab File: VX009091.D

Acq: 22 Apr 2019 12:52

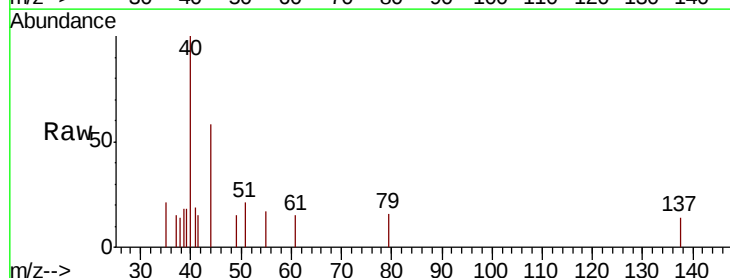
Tgt Ion: 49 Resp: 22

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

80

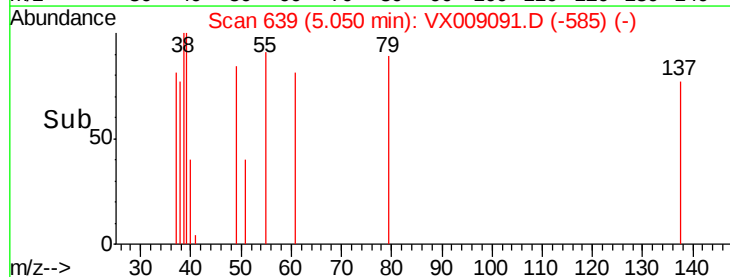
60

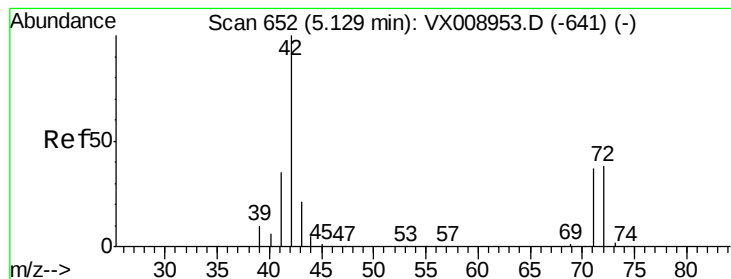
40

20

0

Time-->





#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX009091.D

Acq: 22 Apr 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

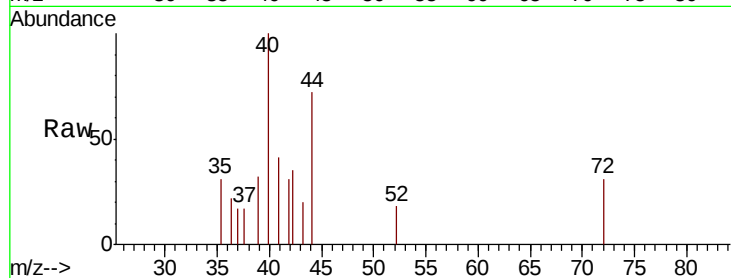
Tot Ion: 42 Resp: 421

Ion Ratio Lower Upper

42 100

72 31.4 30.6 45.8

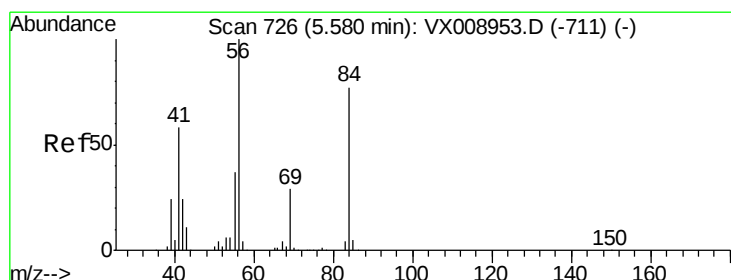
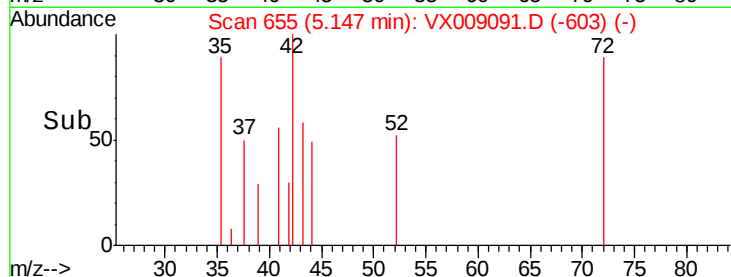
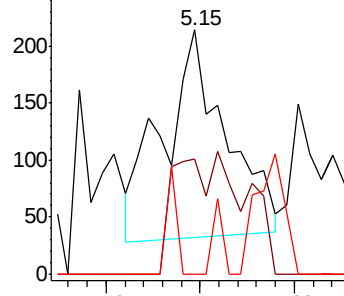
71 5.7 28.8 43.2#



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: 1.034 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009091.D

Acq: 22 Apr 2019 12:52

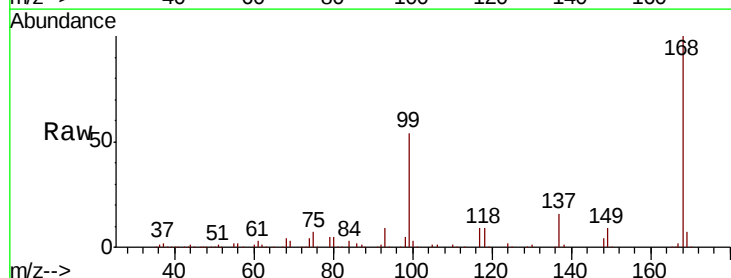
Tgt Ion: 56 Resp: 5729

Ion Ratio Lower Upper

56 100

69 152.9 23.3 34.9#

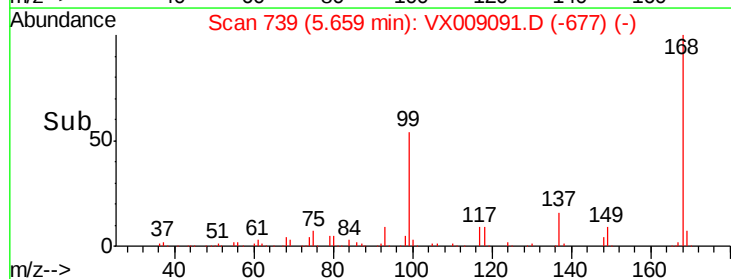
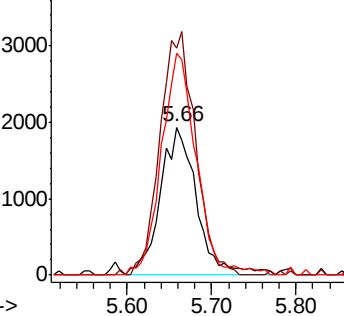
84 150.1 61.7 92.5#

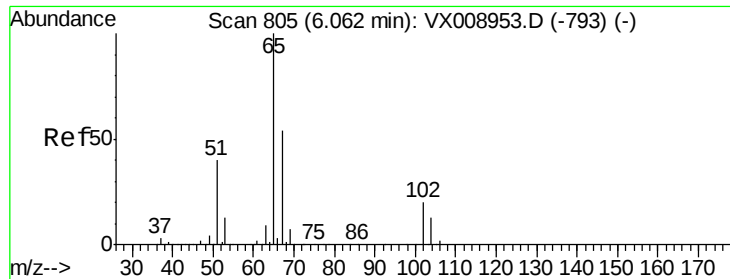


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.688 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009091.D

Acq: 22 Apr 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

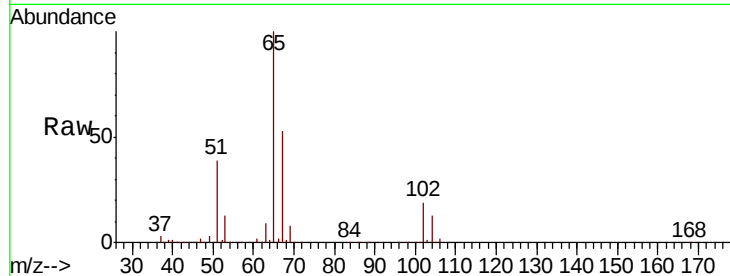
STORAGE-BLANK-WATER-REF-4

Tot Ion: 65 Resp: 162442

Ion Ratio Lower Upper

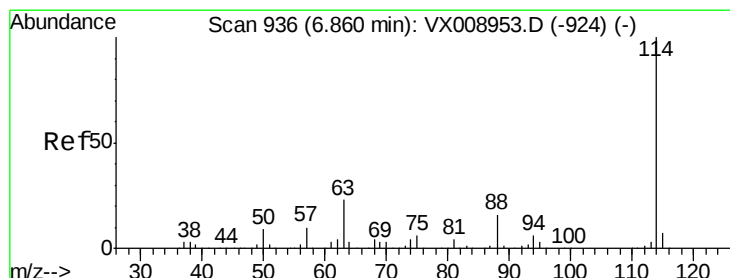
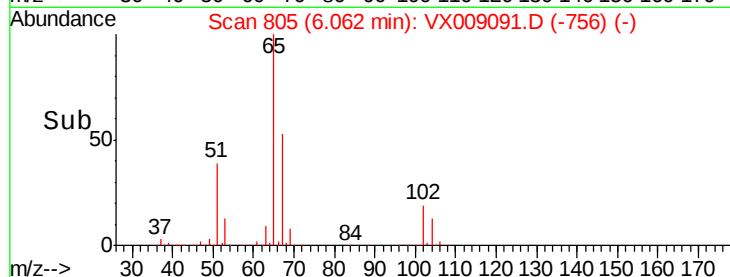
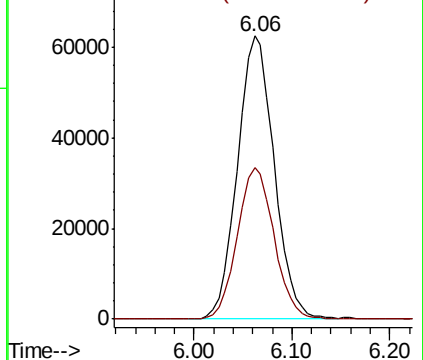
65 100

67 53.7 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: VX009091.D

Acq: 22 Apr 2019 12:52

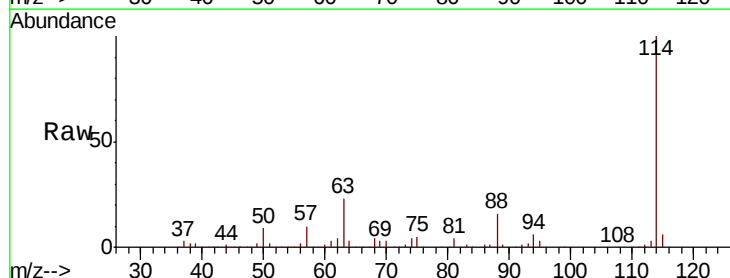
Tgt Ion:114 Resp: 398009

Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.0

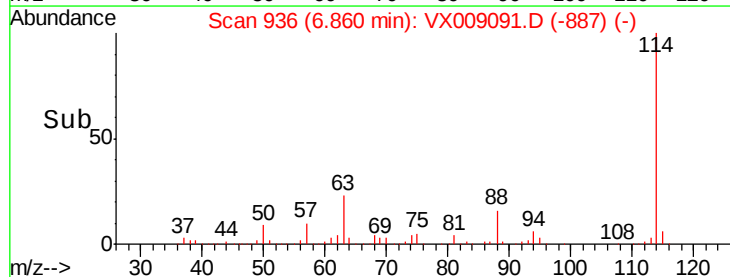
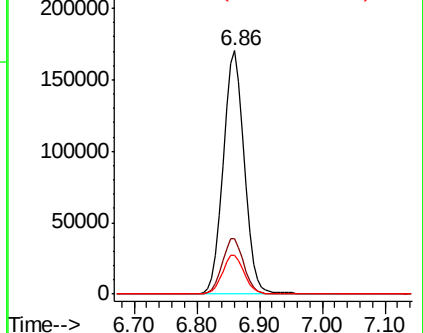
88 16.1 0.0 32.6

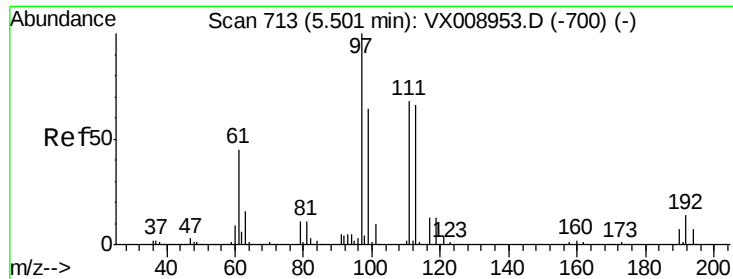


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

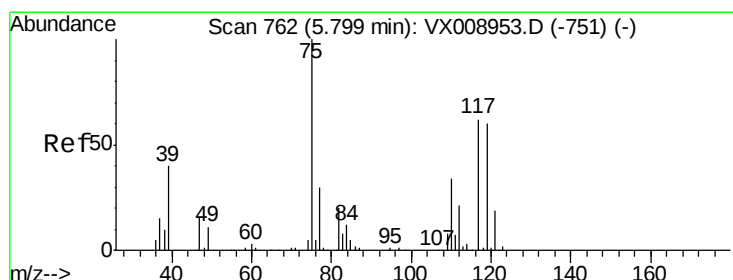
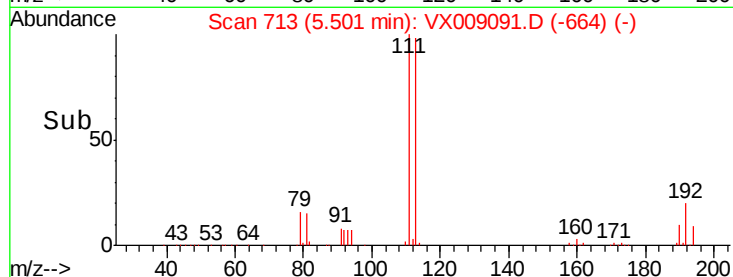
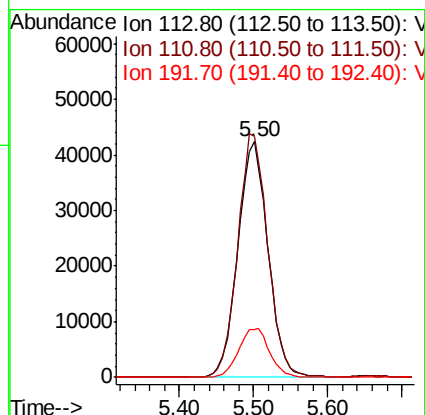
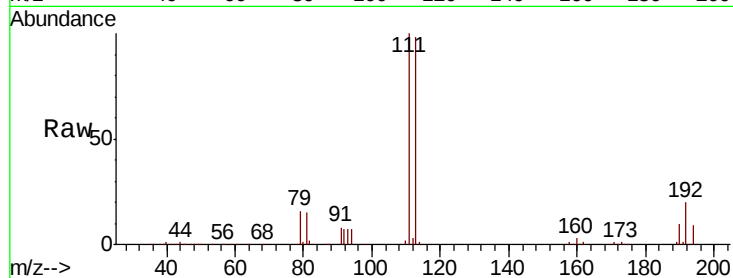




#35
 Dibromofluoromethane
 Concen: 47.153 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009091.D
 Acq: 22 Apr 2019 12:52

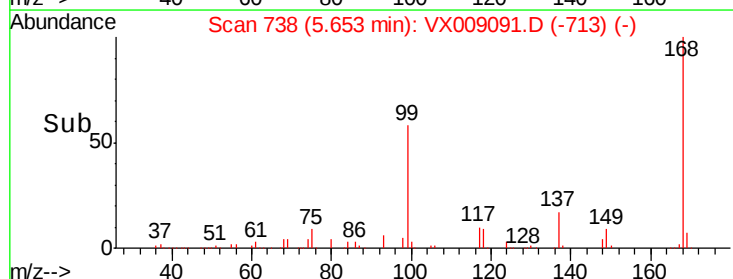
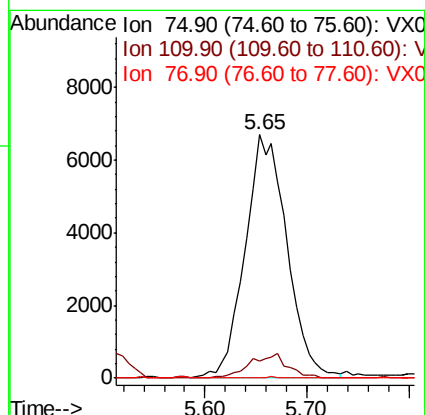
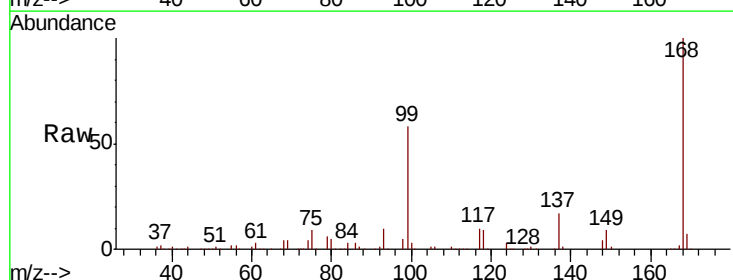
Instrument :
 MSVOA_X
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 STORAGE-BLANK-WATER-REF-4

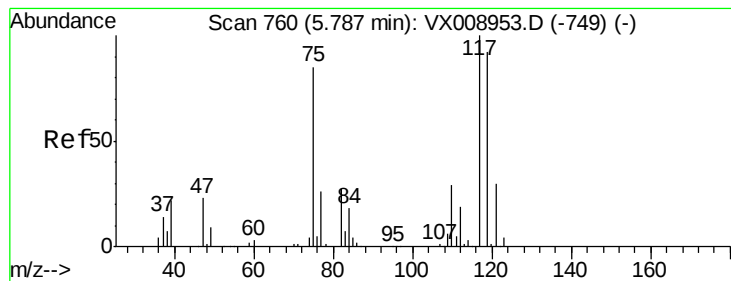
Tot Ion:113 Resp: 120444
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.9 124.3
 192 21.2 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.628 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX009091.D
 Acq: 22 Apr 2019 12:52

Tgt Ion: 75 Resp: 19050
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.9 50.7#
 77 0.1 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.605 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009091.D

Acq: 22 Apr 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

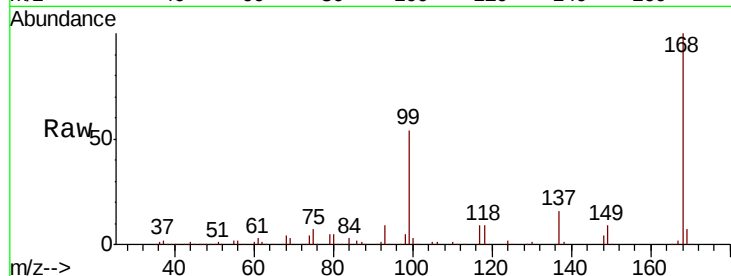
Tot Ion:117 Resp: 23048

Ion Ratio Lower Upper

117 100

119 5.1 73.8 110.8#

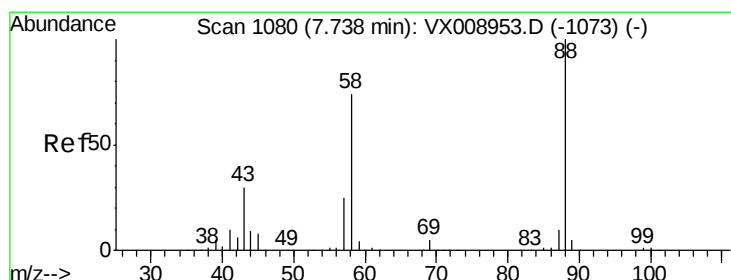
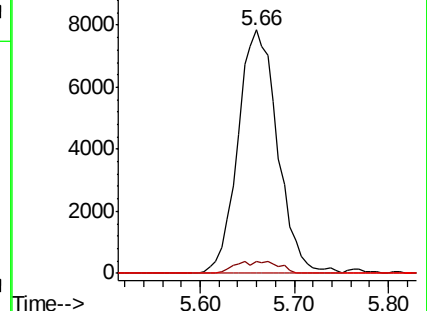
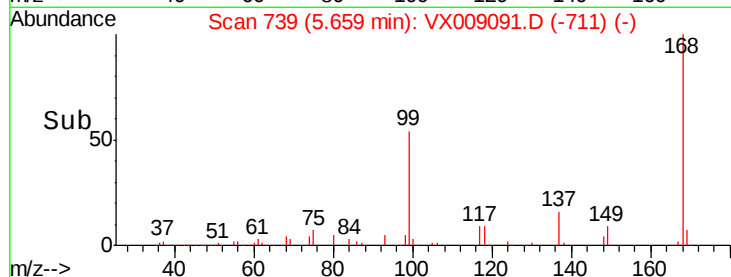
121 0.0 23.6 35.4#



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: 0.241 ug/l

RT: 7.67 min Scan# 1069

Delta R.T. -0.07 min

Lab File: VX009091.D

Acq: 22 Apr 2019 12:52

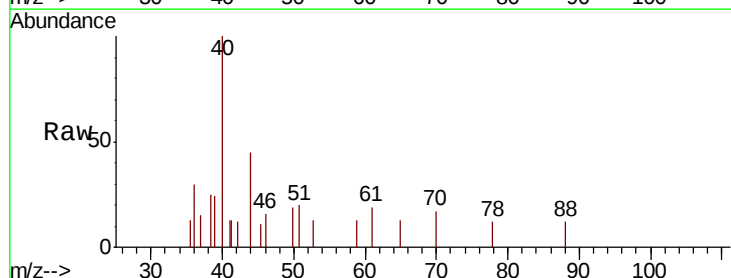
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 505.3 29.3 43.9#

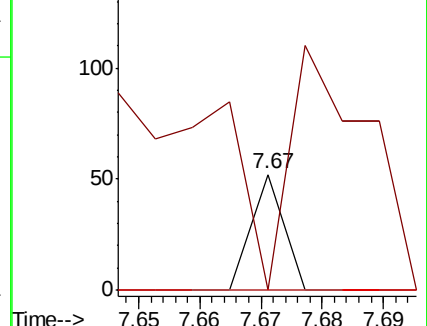
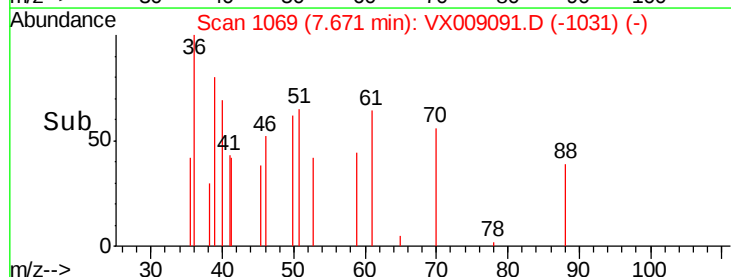
58 0.0 62.6 93.8#

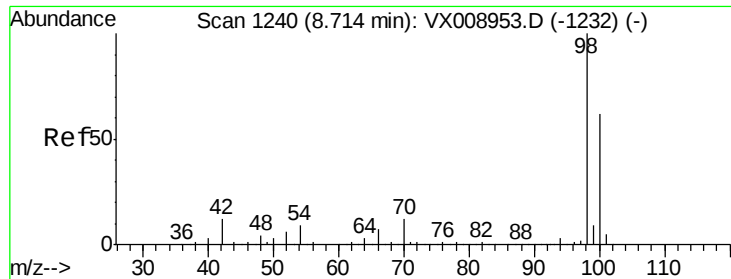


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.533 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009091.D

Acq: 22 Apr 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

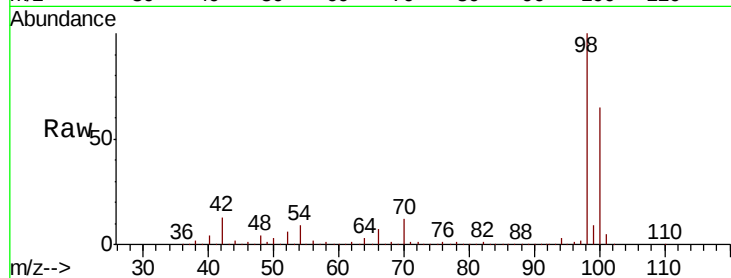
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 494394

Ion Ratio Lower Upper

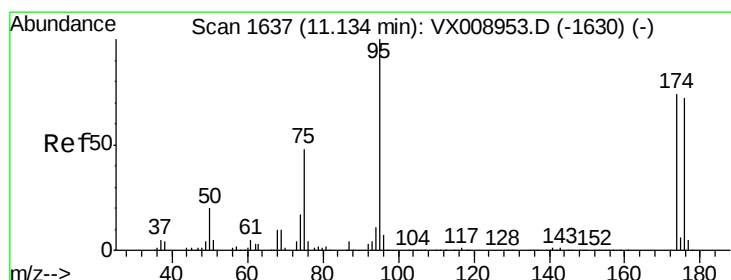
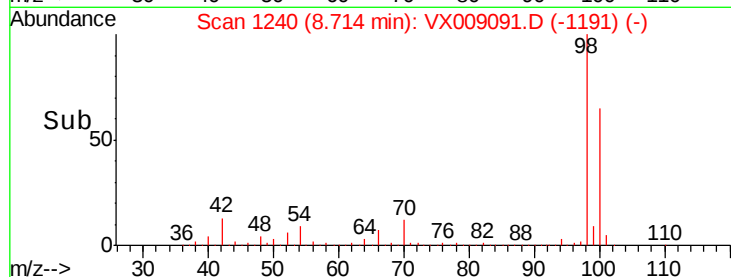
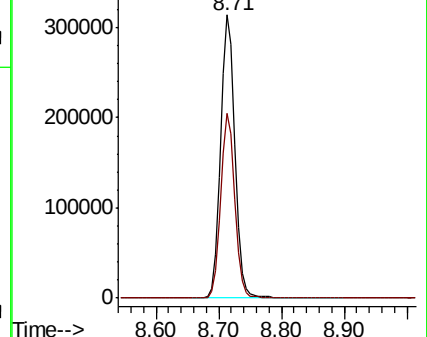
98 100

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: 45.131 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009091.D

Acq: 22 Apr 2019 12:52

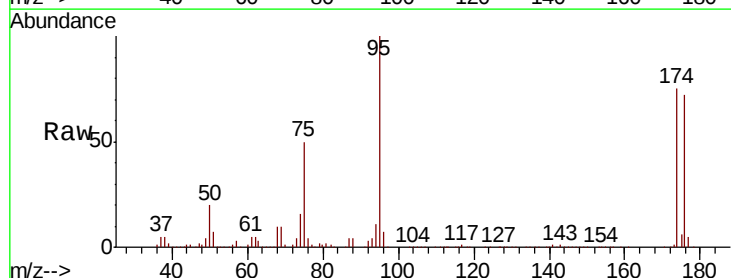
Tgt Ion: 95 Resp: 162288

Ion Ratio Lower Upper

95 100

174 79.0 0.0 159.6

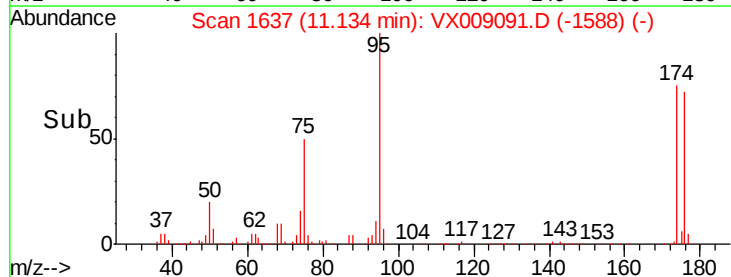
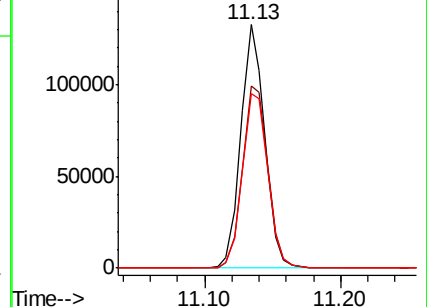
176 76.8 0.0 154.8

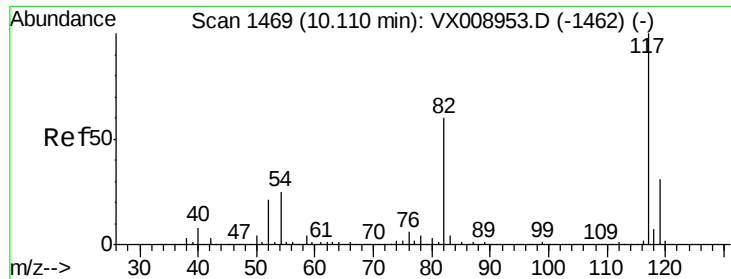


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

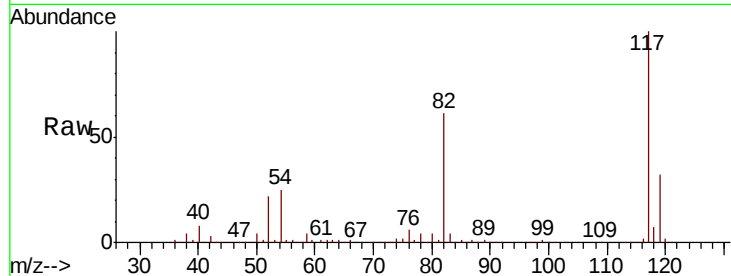




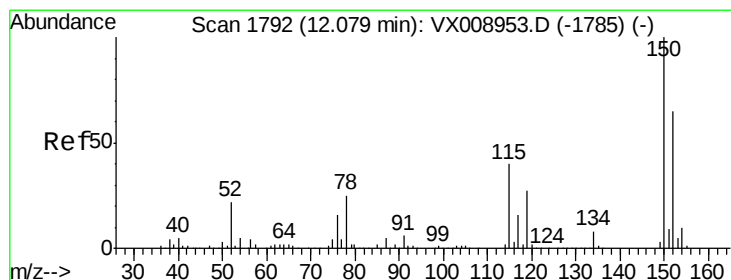
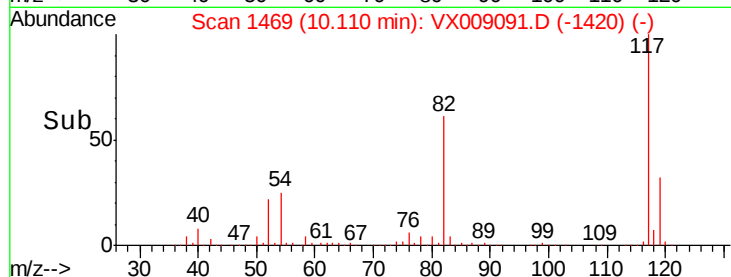
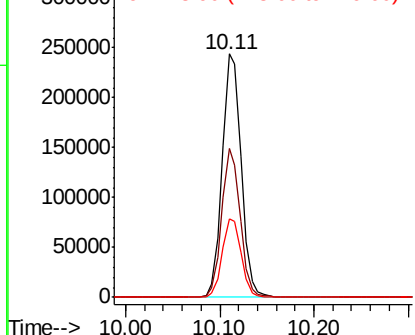
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009091.D
Acq: 22 Apr 2019 12:52

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

Tot Ion:117 Resp: 341330
Ion Ratio Lower Upper
117 100
82 61.2 48.2 72.4
119 32.3 25.0 37.6

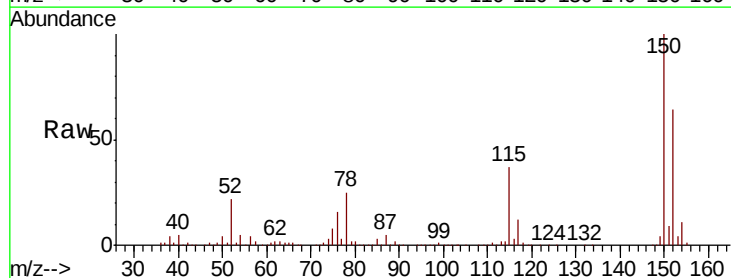


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

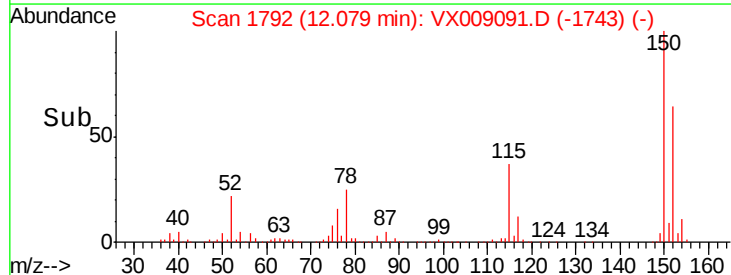
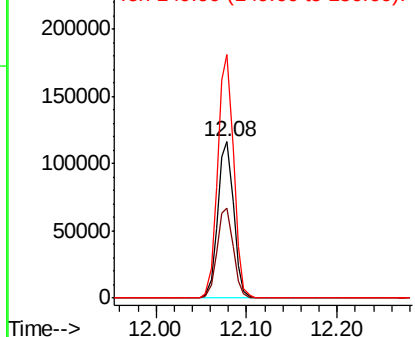


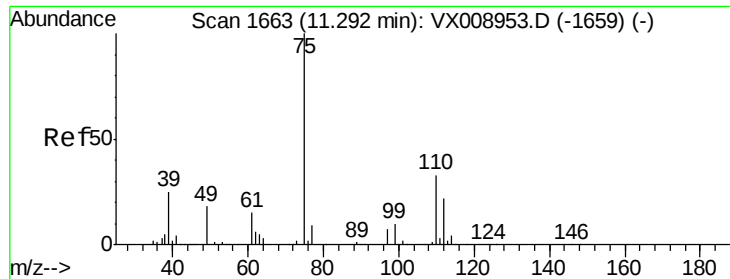
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009091.D
Acq: 22 Apr 2019 12:52

Tgt Ion:152 Resp: 143270
Ion Ratio Lower Upper
152 100
115 59.2 41.4 124.2
150 156.3 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

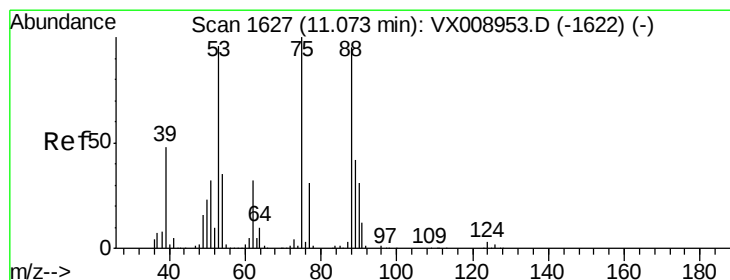
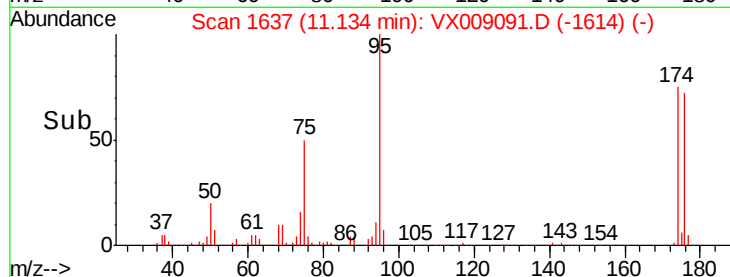
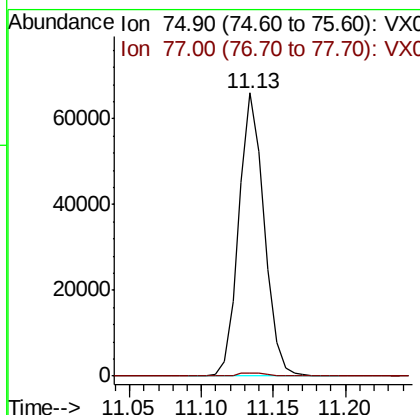
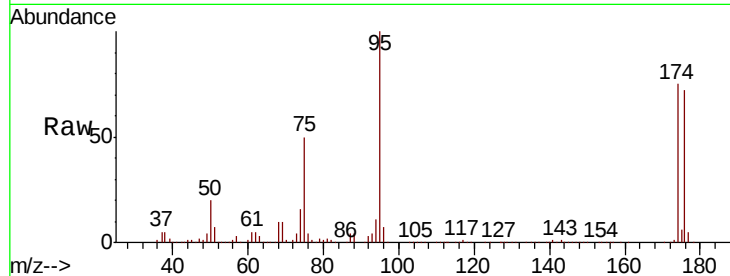




#76
 1,2,3-Trichloropropane
 Concen: 23.162 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009091.D
 Acq: 22 Apr 2019 12:52

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

Tot Ion: 75 Resp: 81028
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.7 68.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.462 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009091.D
 Acq: 22 Apr 2019 12:52

Tgt Ion: 75 Resp: 81028
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.0 36.0 54.0#

