

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\
 Data File : VX010306.D
 Acq On : 14 Jun 2019 17:26
 Operator : JC/SP
 Sample : K3384-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Jun 15 01:23:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	318337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	485604	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	436056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206457	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	144666	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
35) Dibromofluoromethane	5.50	113	148269	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
50) Toluene-d8	8.71	98	570230	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.13	95	193525	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	

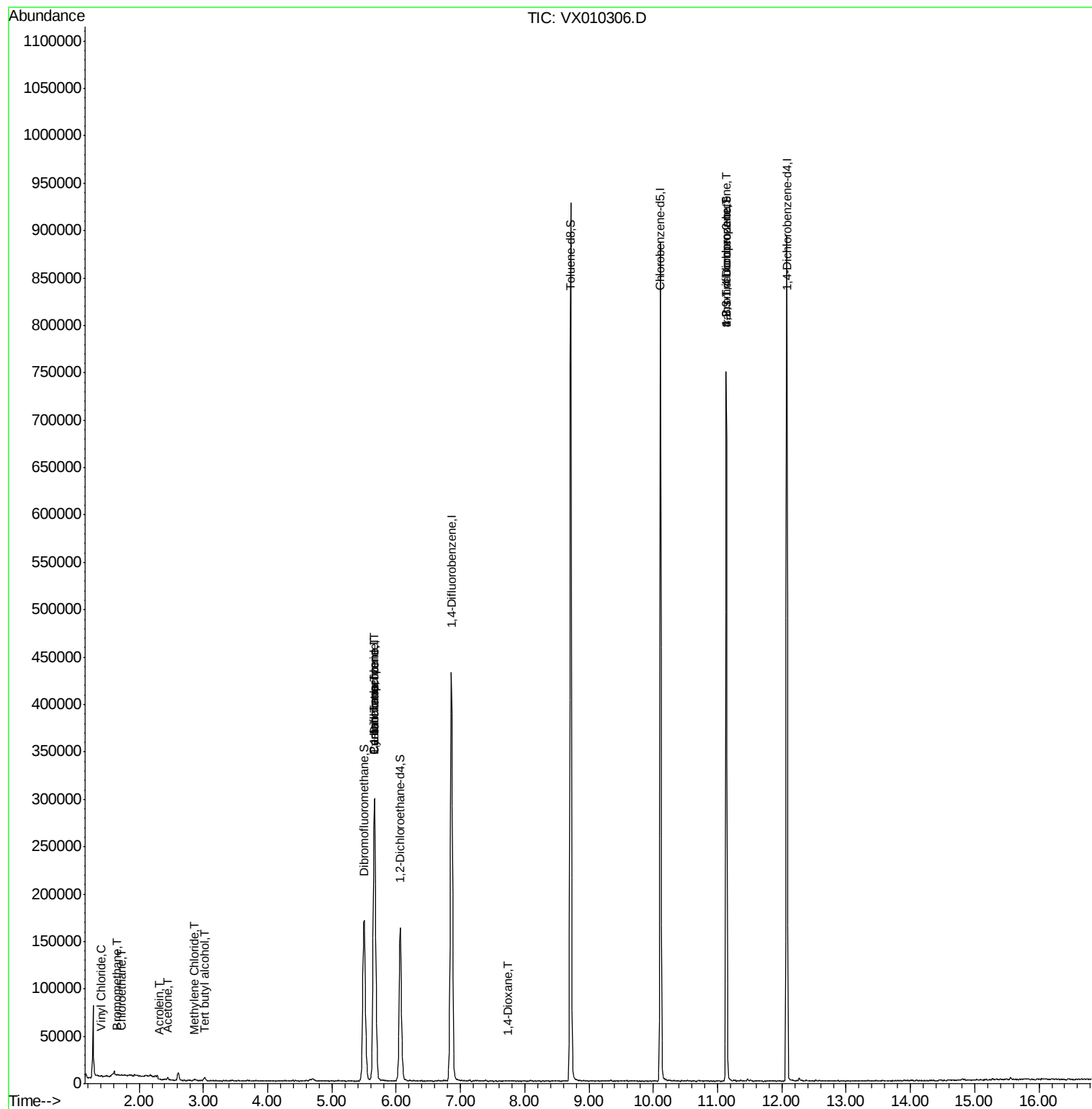
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	617	0.226	ug/l #	79
5) Bromomethane	1.65	94	470	0.456	ug/l #	74
6) Chloroethane	1.72	64	294	0.213	ug/l #	43
11) Tert butyl alcohol	3.02	59	1894	2.488	ug/l #	94
13) Acrolein	2.32	56	199	1.434	ug/l #	80
16) Acetone	2.45	43	2863	1.959	ug/l	95
20) Methylene Chloride	2.86	84	725	0.226	ug/l #	89
31) Cyclohexane	5.65	56	5334	1.180	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19403	4.898	ug/l #	51
38) Carbon Tetrachloride	5.66	117	27923	6.227	ug/l #	16
49) 1,4-Dioxane	7.74	88	32	0.348	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	89573	21.691	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	89573	47.924	ug/l #	10

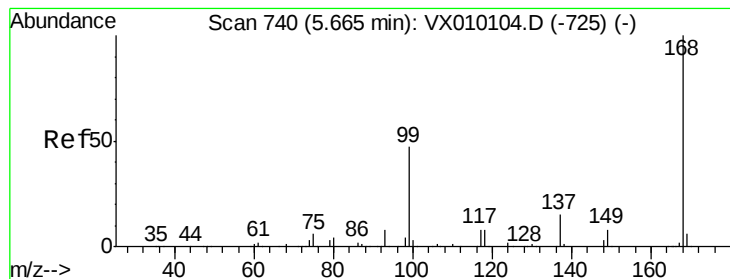
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061419\
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Quant Time: Jun 15 01:23:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 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: VX010306.D

Acq: 14 Jun 2019 17:26

Instrument :

MSVOA_X

ClientSampleId :

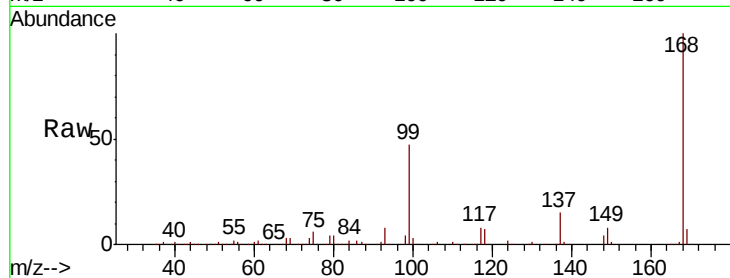
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 318337

Ion Ratio Lower Upper

168 100

99 46.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

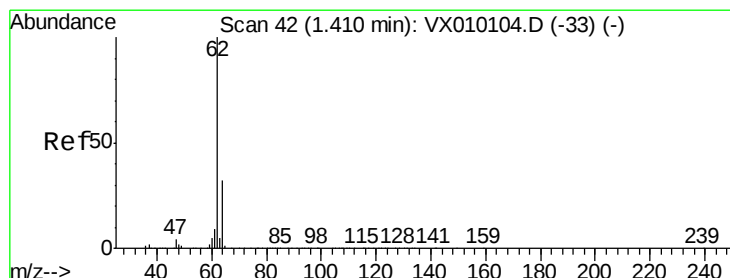
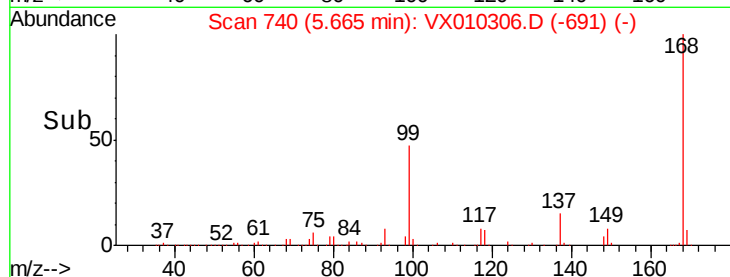
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.226 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX010306.D

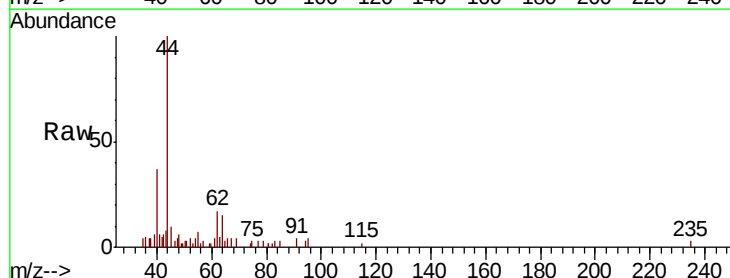
Acq: 14 Jun 2019 17:26

Tgt Ion: 62 Resp: 617

Ion Ratio Lower Upper

62 100

64 44.0 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

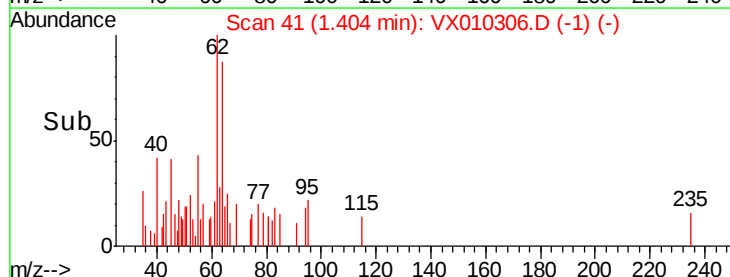
600

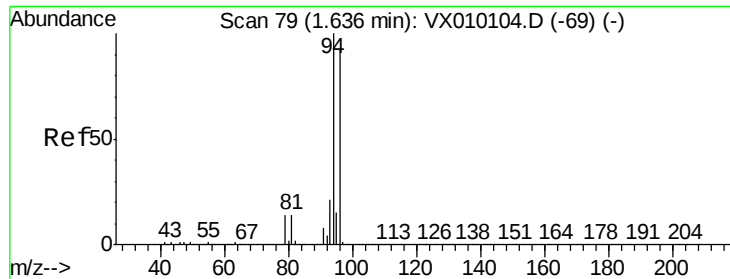
400

200

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: 0.456 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010306.D

Acq: 14 Jun 2019 17:26

Instrument :

MSVOA_X

ClientSampleId :

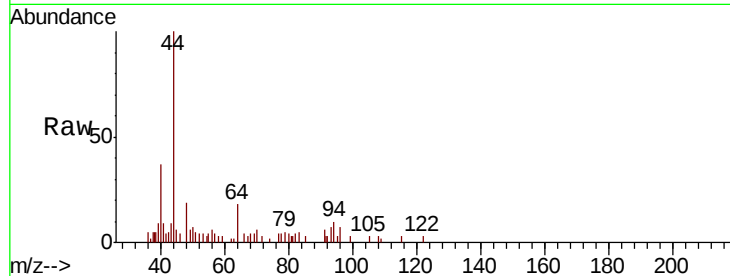
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 470

Ion Ratio Lower Upper

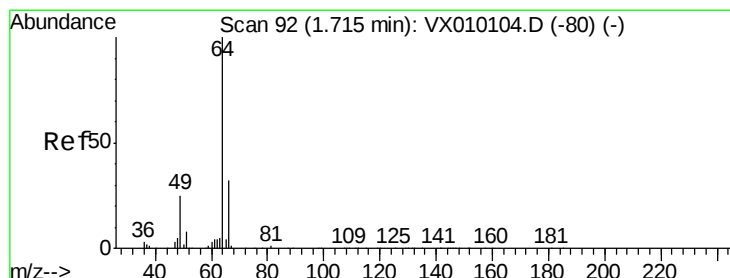
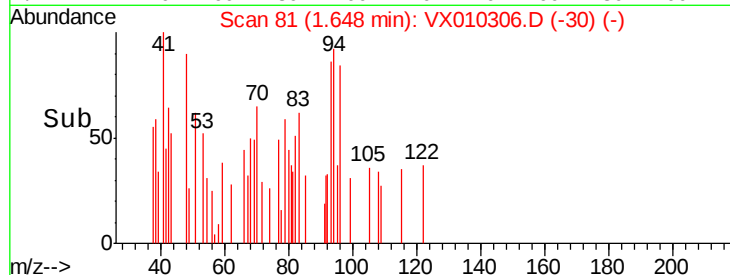
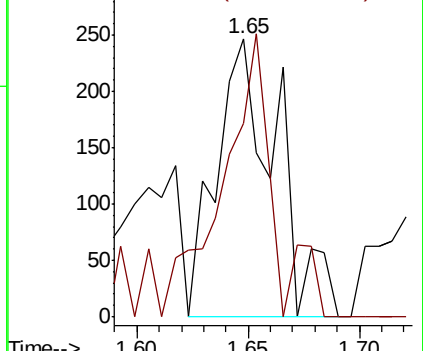
94 100

96 69.6 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.213 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010306.D

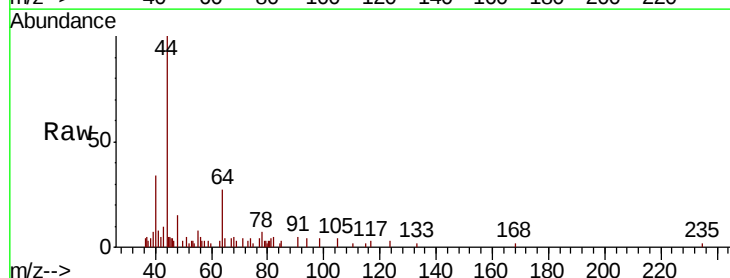
Acq: 14 Jun 2019 17:26

Tgt Ion: 64 Resp: 294

Ion Ratio Lower Upper

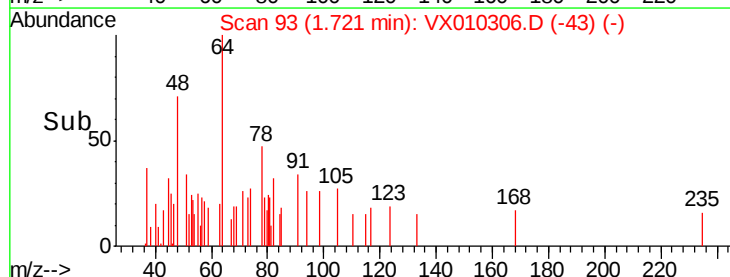
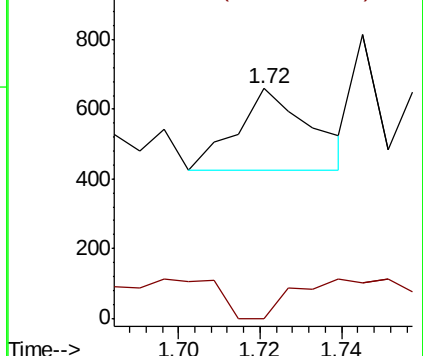
64 100

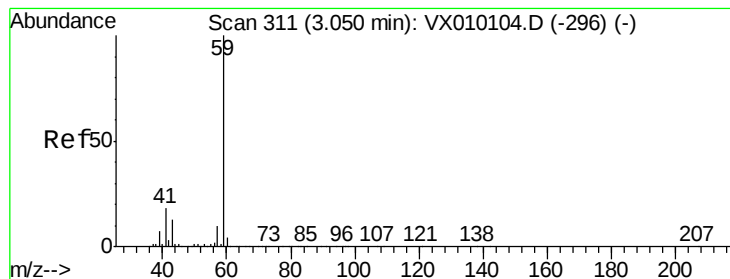
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



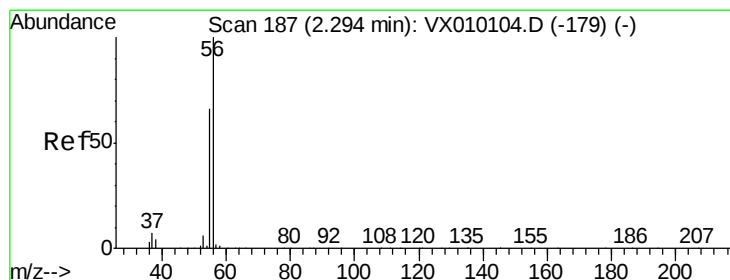
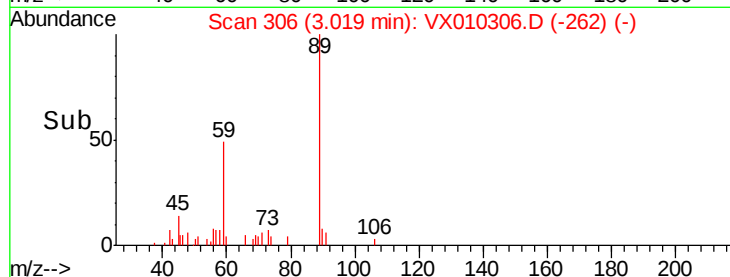
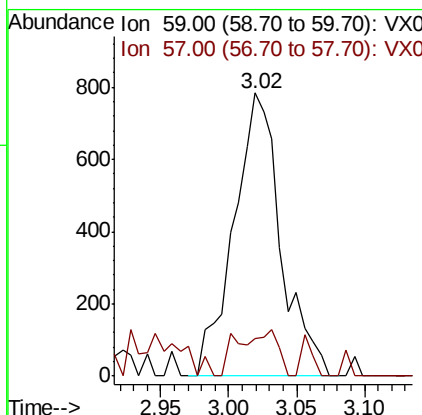
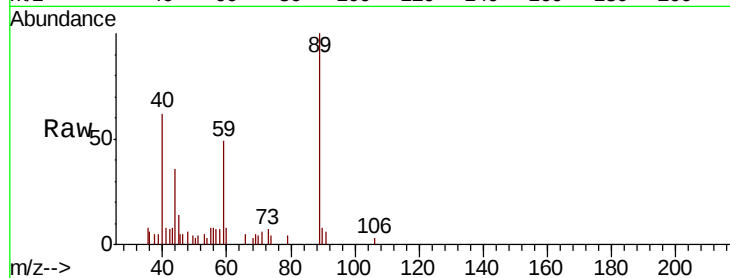


#11

Tert butyl alcohol
 Concen: 2.488 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010306.D
 Acq: 14 Jun 2019 17:26

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

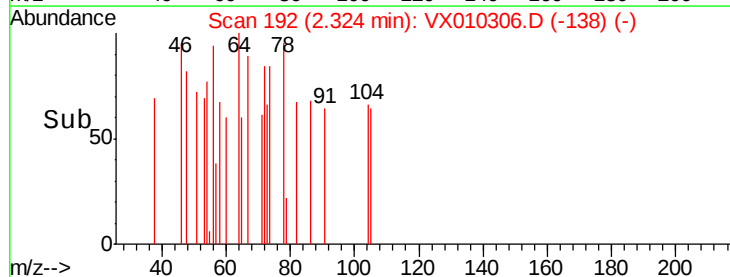
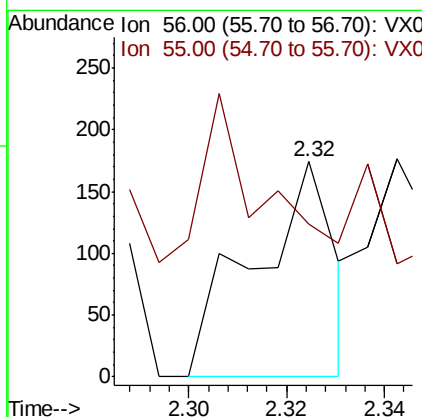
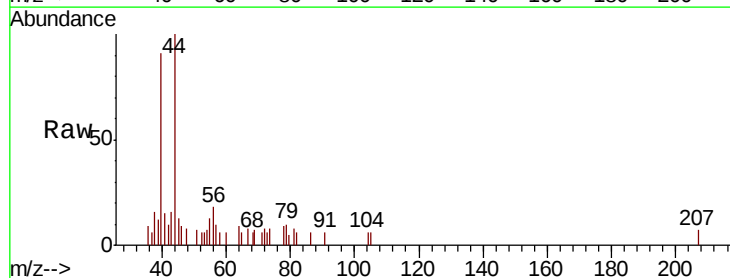
Tot Ion: 59 Resp: 1894
 Ion Ratio Lower Upper
 59 100
 57 8.1 8.2 12.2#

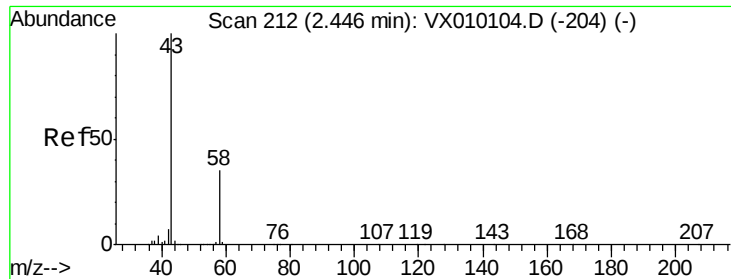


#13

Acrolein
 Concen: 1.434 ug/l
 RT: 2.32 min Scan# 192
 Delta R.T. 0.03 min
 Lab File: VX010306.D
 Acq: 14 Jun 2019 17:26

Tgt Ion: 56 Resp: 199
 Ion Ratio Lower Upper
 56 100
 55 54.3 57.0 85.4#

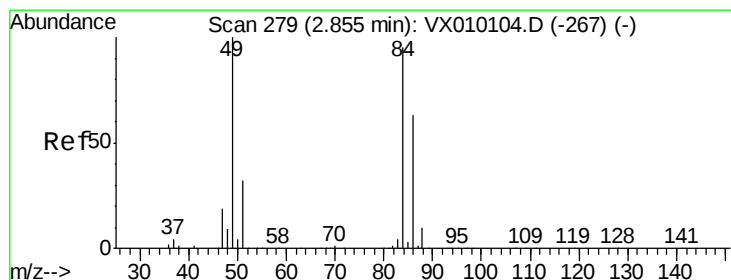
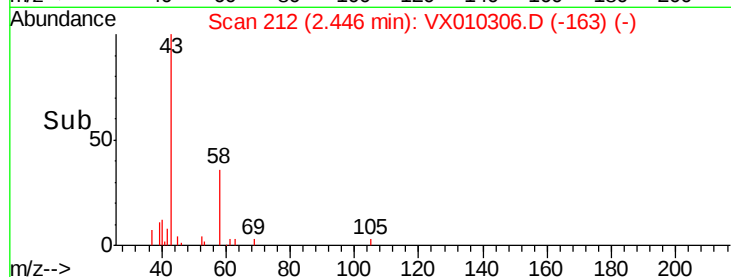
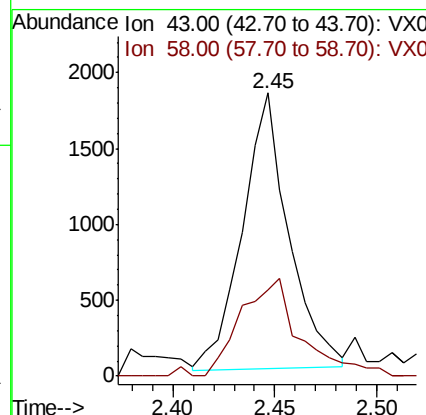
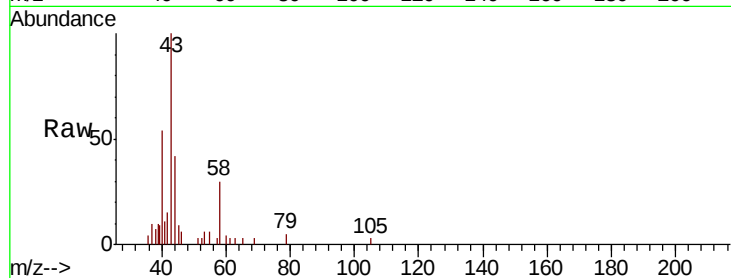




#16
Acetone
Concen: 1.959 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX010306.D
Acq: 14 Jun 2019 17:26

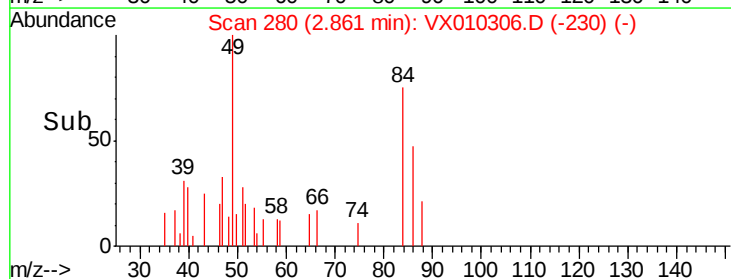
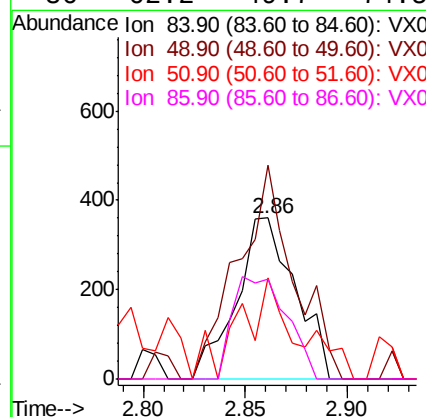
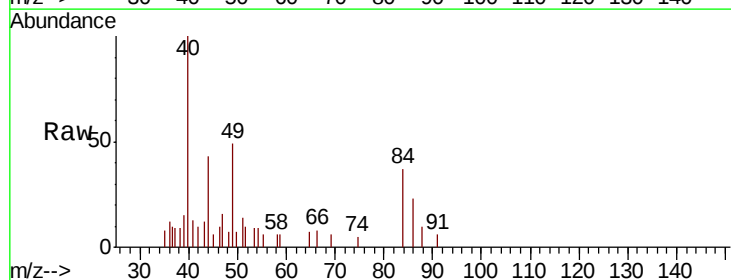
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

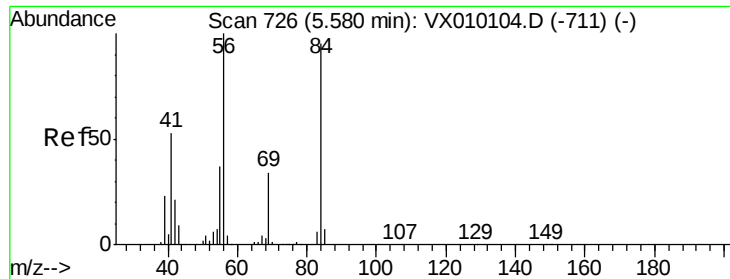
Tot Ion: 43 Resp: 2863
Ion Ratio Lower Upper
43 100
58 31.4 23.2 34.8



#20
Methylene Chloride
Concen: 0.226 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010306.D
Acq: 14 Jun 2019 17:26

Tgt Ion: 84 Resp: 725
Ion Ratio Lower Upper
84 100
49 132.8 115.8 173.6
51 63.1 34.4 51.6#
86 62.2 49.7 74.5

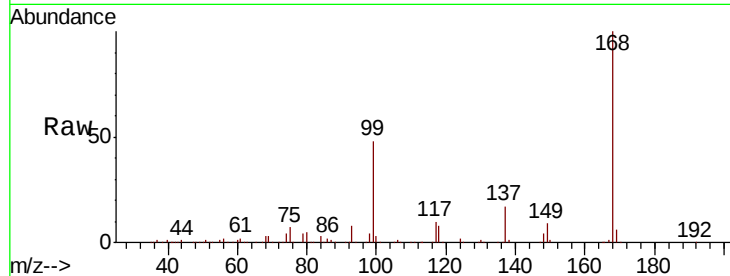




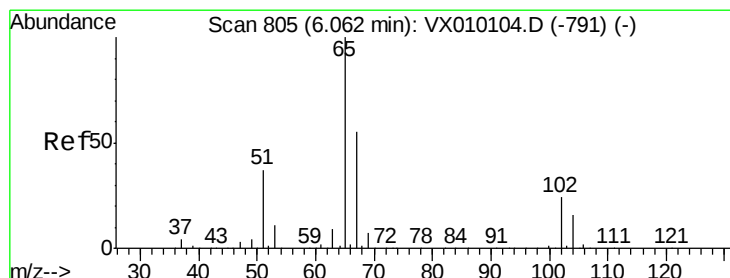
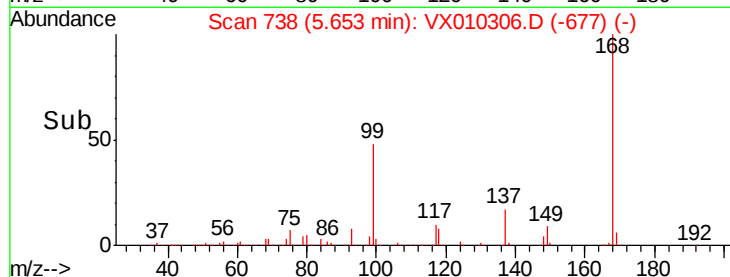
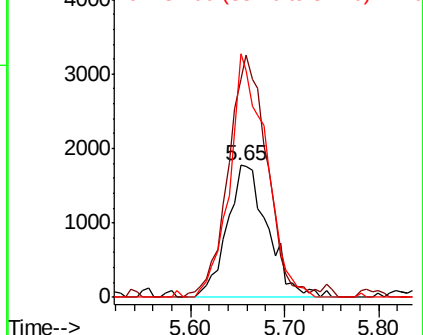
#31
Cyclohexane
Concen: 1.180 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX010306.D
Acq: 14 Jun 2019 17:26

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

Tot Ion: 56 Resp: 5334
Ion Ratio Lower Upper
56 100
69 165.1 21.6 32.4#
84 184.6 56.8 85.2#

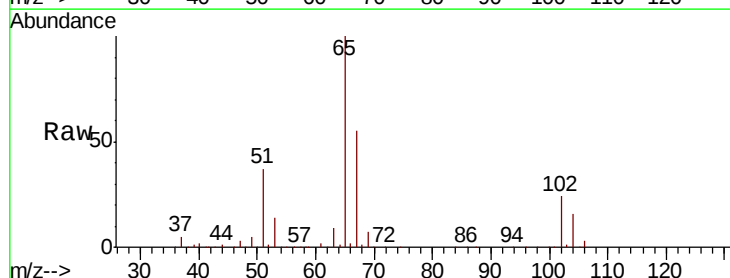


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

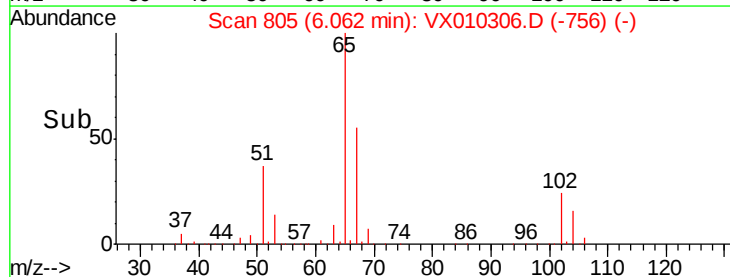
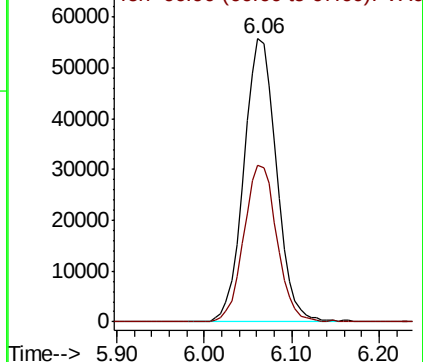


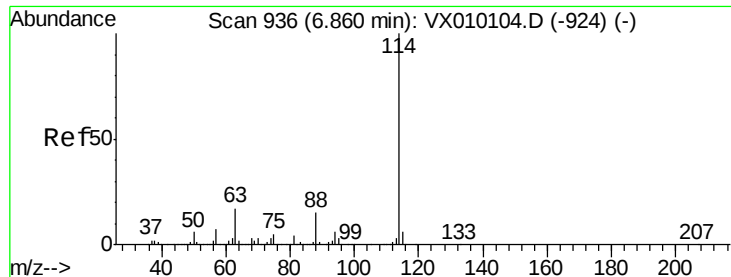
#33
1,2-Dichloroethane-d4
Concen: 46.556 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010306.D
Acq: 14 Jun 2019 17:26

Tgt Ion: 65 Resp: 144666
Ion Ratio Lower Upper
65 100
67 55.9 0.0 108.4



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: VX010306.D

Acq: 14 Jun 2019 17:26

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

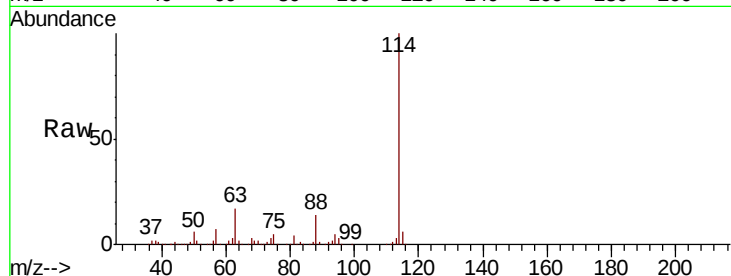
Tot Ion:114 Resp: 485604

Ion Ratio Lower Upper

114 100

63 17.1 0.0 47.4

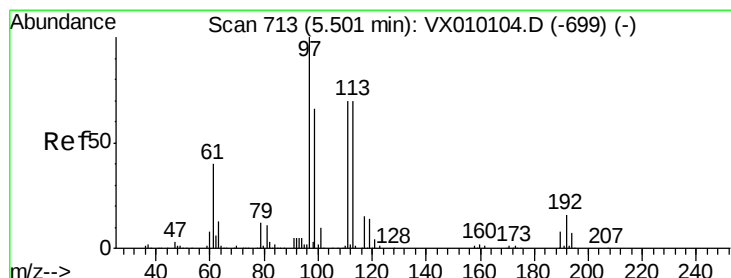
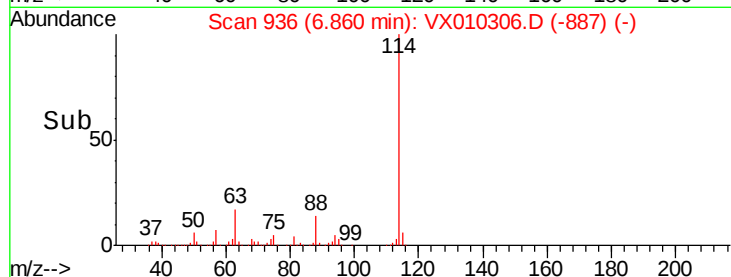
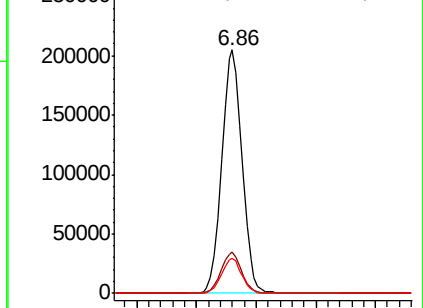
88 14.1 0.0 33.0



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: 49.500 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010306.D

Acq: 14 Jun 2019 17:26

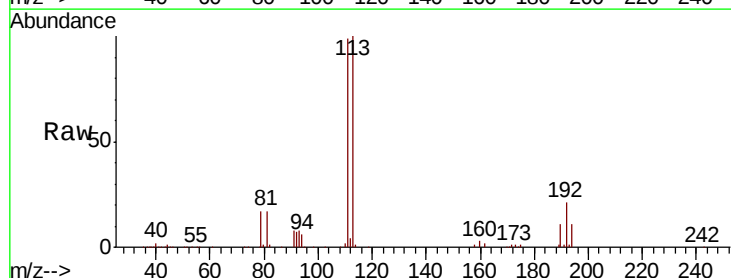
Tgt Ion:113 Resp: 148269

Ion Ratio Lower Upper

113 100

111 100.6 82.2 123.2

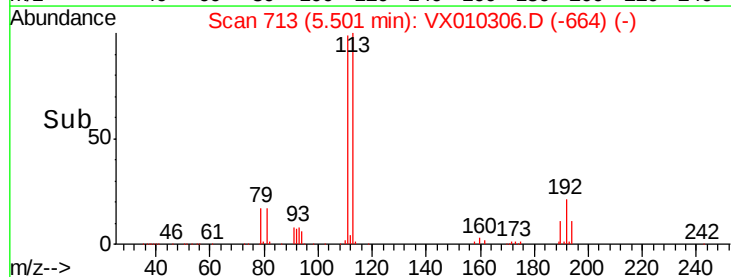
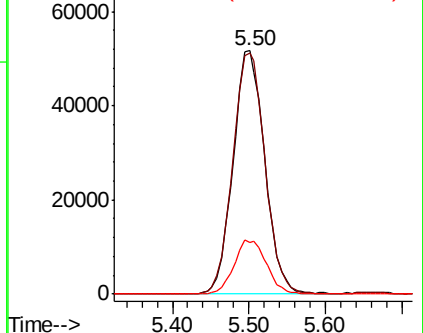
192 22.8 17.1 25.7

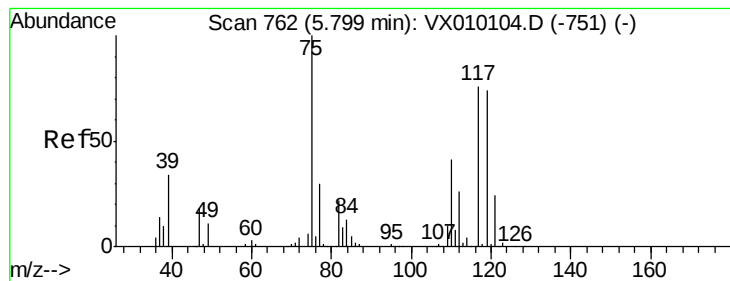


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.898 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010306.D

Acq: 14 Jun 2019 17:26

Instrument :

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STORAGE-BLANK-WATER-REF-5

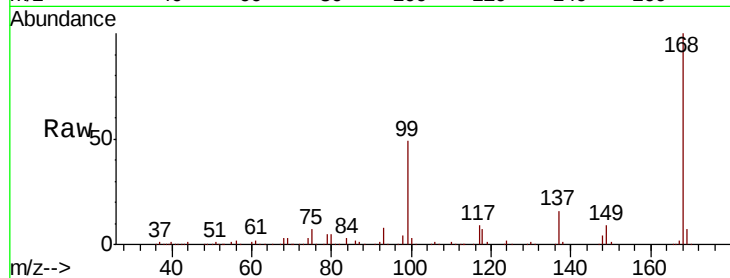
Tot Ion: 75 Resp: 19403

Ion Ratio Lower Upper

75 100

110 9.9 16.7 50.1#

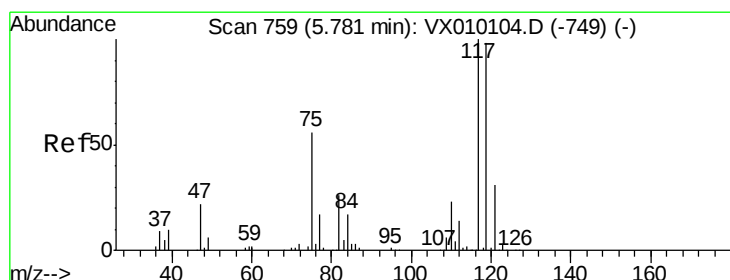
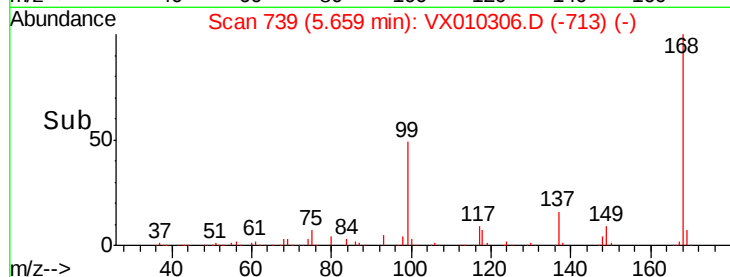
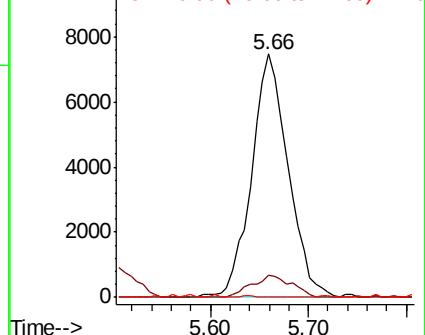
77 0.2 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.227 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010306.D

Acq: 14 Jun 2019 17:26

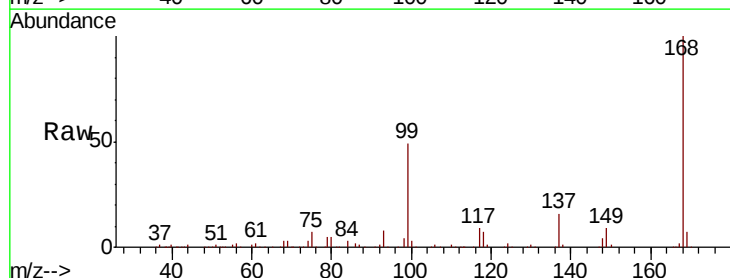
Tgt Ion: 117 Resp: 27923

Ion Ratio Lower Upper

117 100

119 5.7 77.3 115.9#

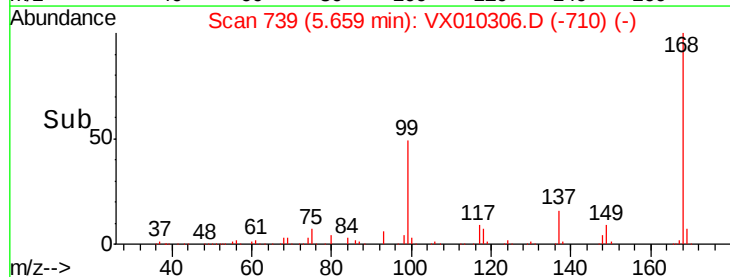
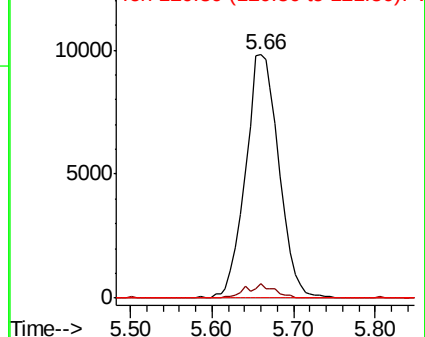
121 0.0 25.4 38.0#

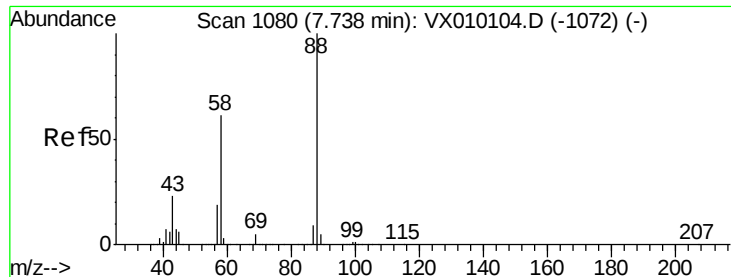


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

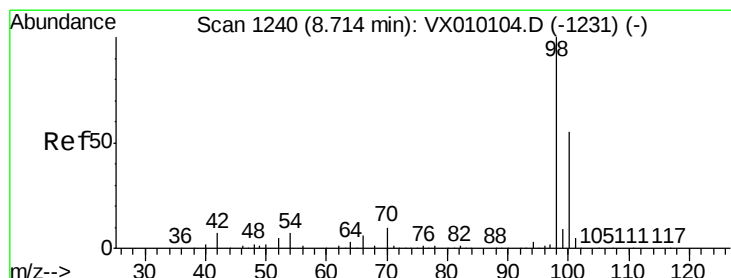
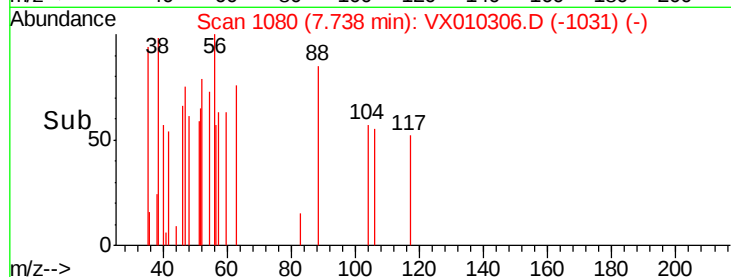
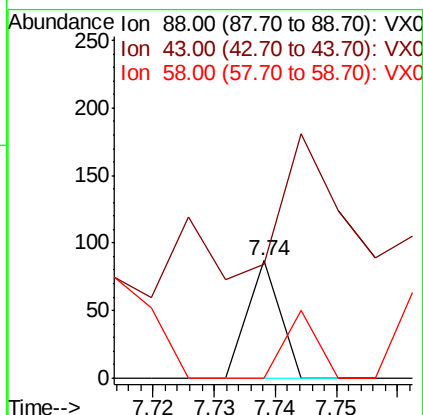
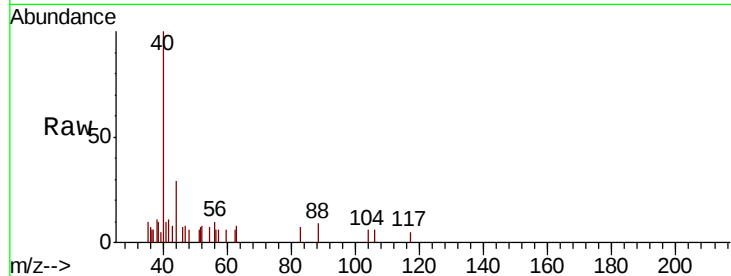




#49
1,4-Dioxane
Concen: 0.348 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010306.D
Acq: 14 Jun 2019 17:26

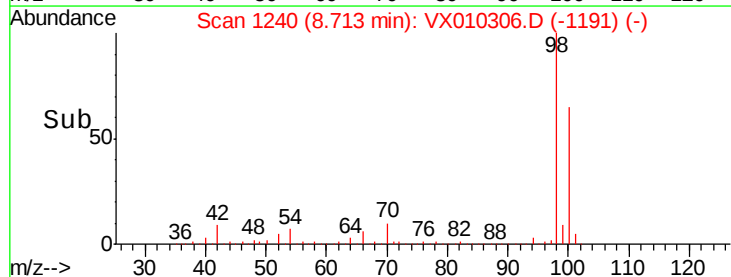
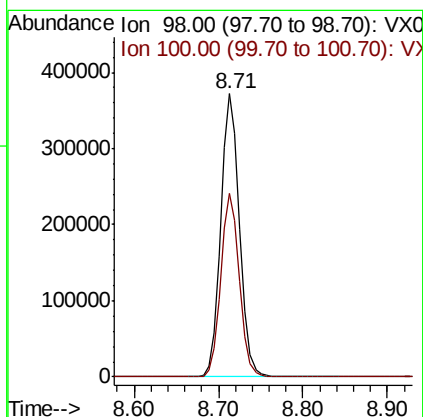
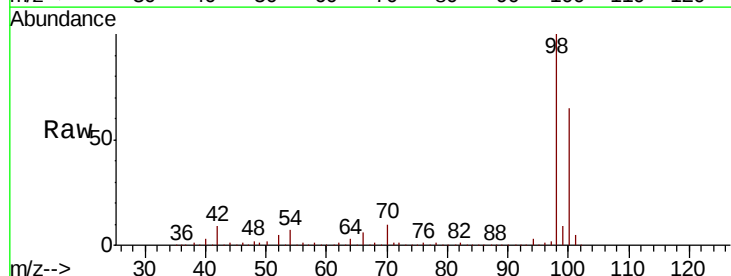
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

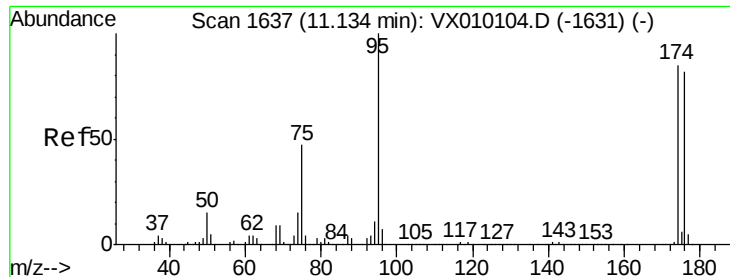
Tot Ion: 88 Resp: 32
Ion Ratio Lower Upper
88 100
43 1231.3 30.2 45.4#
58 56.3 64.0 96.0#



#50
Toluene-d8
Concen: 50.796 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010306.D
Acq: 14 Jun 2019 17:26

Tgt Ion: 98 Resp: 570230
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 46.160 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010306.D

Acq: 14 Jun 2019 17:26

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

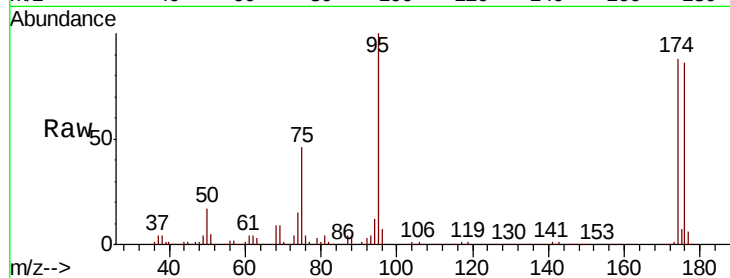
Tot Ion: 95 Resp: 193525

Ion Ratio Lower Upper

95 100

174 93.5 0.0 160.4

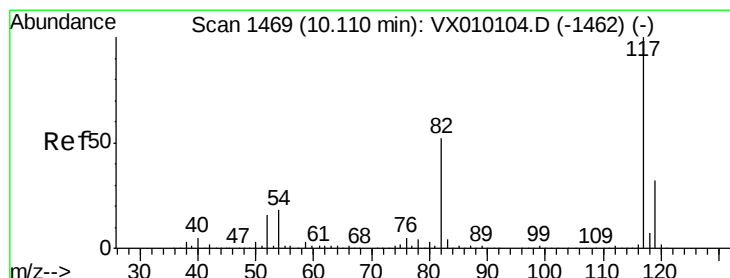
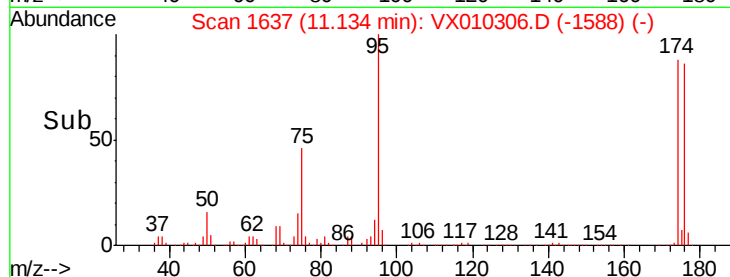
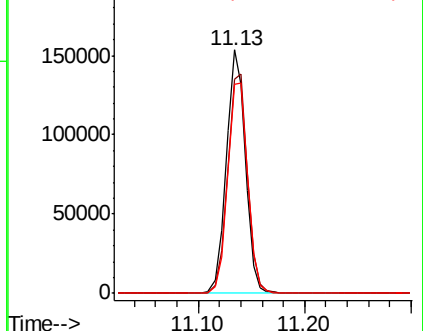
176 90.9 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX010104.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010104.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010104.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010306.D

Acq: 14 Jun 2019 17:26

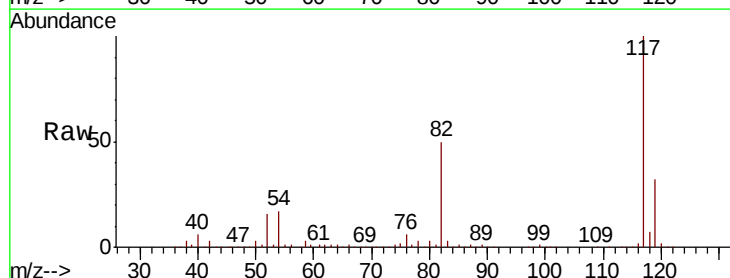
Tgt Ion: 117 Resp: 436056

Ion Ratio Lower Upper

117 100

82 50.2 49.2 73.8

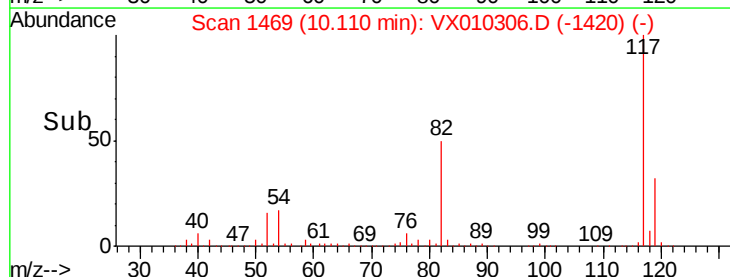
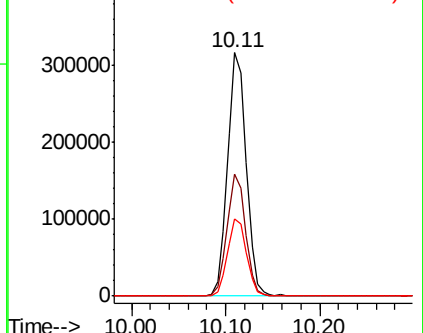
119 31.9 25.2 37.8

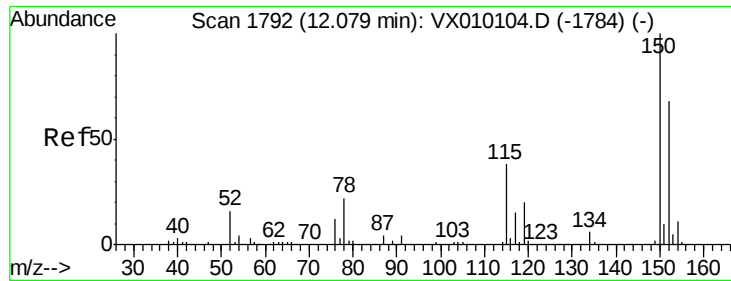


Abundance Ion 116.90 (116.60 to 117.60): VX010104.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010104.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010104.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010306.D

Acq: 14 Jun 2019 17:26

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

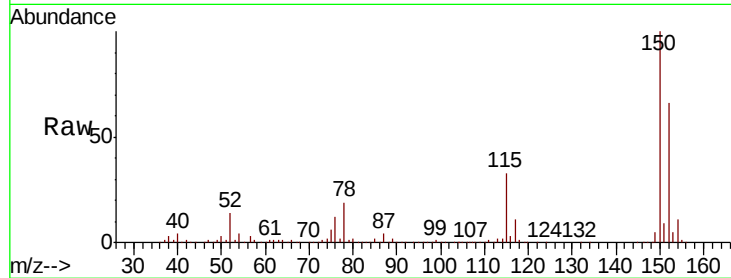
Tot Ion:152 Resp: 206457

Ion Ratio Lower Upper

152 100

115 53.2 41.4 124.2

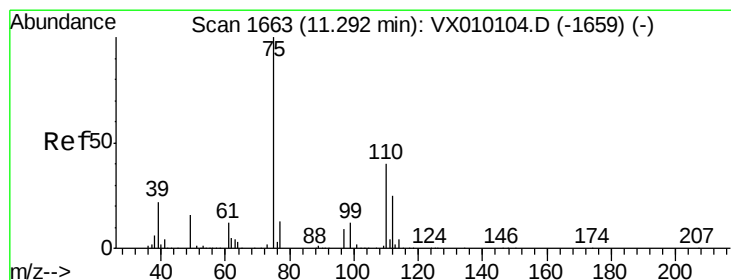
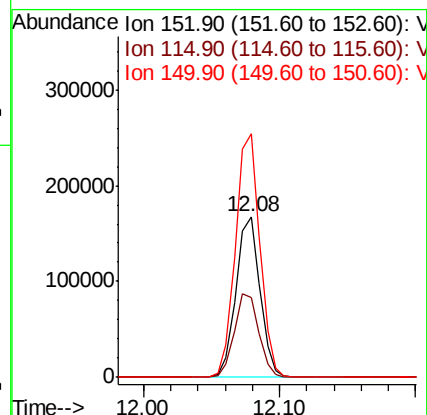
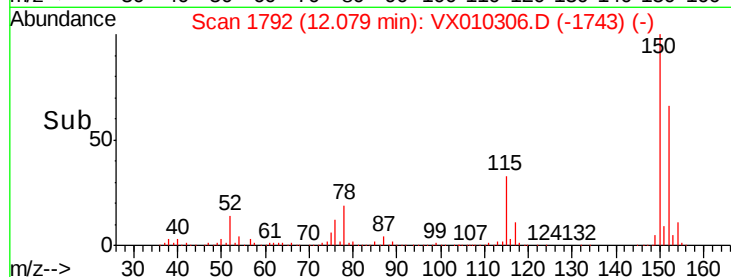
150 154.0 0.0 345.2



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: 21.691 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010306.D

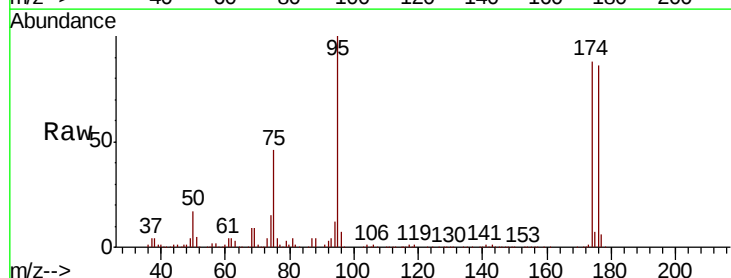
Acq: 14 Jun 2019 17:26

Tgt Ion: 75 Resp: 89573

Ion Ratio Lower Upper

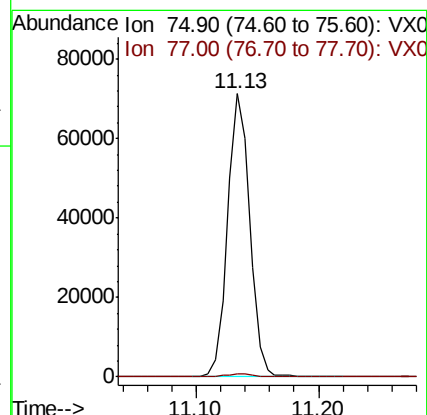
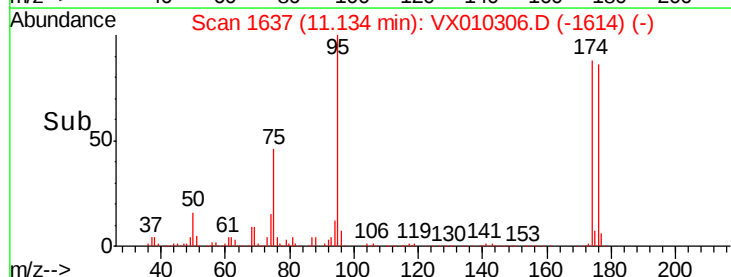
75 100

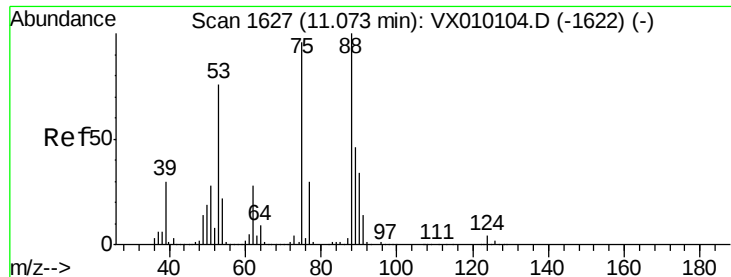
77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 47.924 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010306.D

Acq: 14 Jun 2019 17:26

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

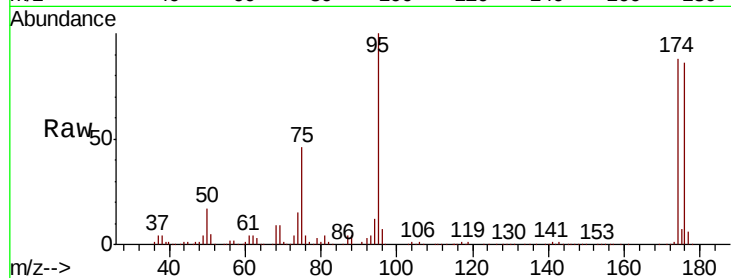
Tot Ion: 75 Resp: 89573

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 34.2 51.4#



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

