

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011819\
 Data File : VX007129.D
 Acq On : 18 Jan 2019 12:42
 Operator : JC/SP
 Sample : K1194-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jan 18 21:49:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	550767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	865633	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	798221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	383882	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	298919	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
35) Dibromofluoromethane	5.51	113	269470	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
50) Toluene-d8	8.71	98	1016324	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.13	95	358613	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	

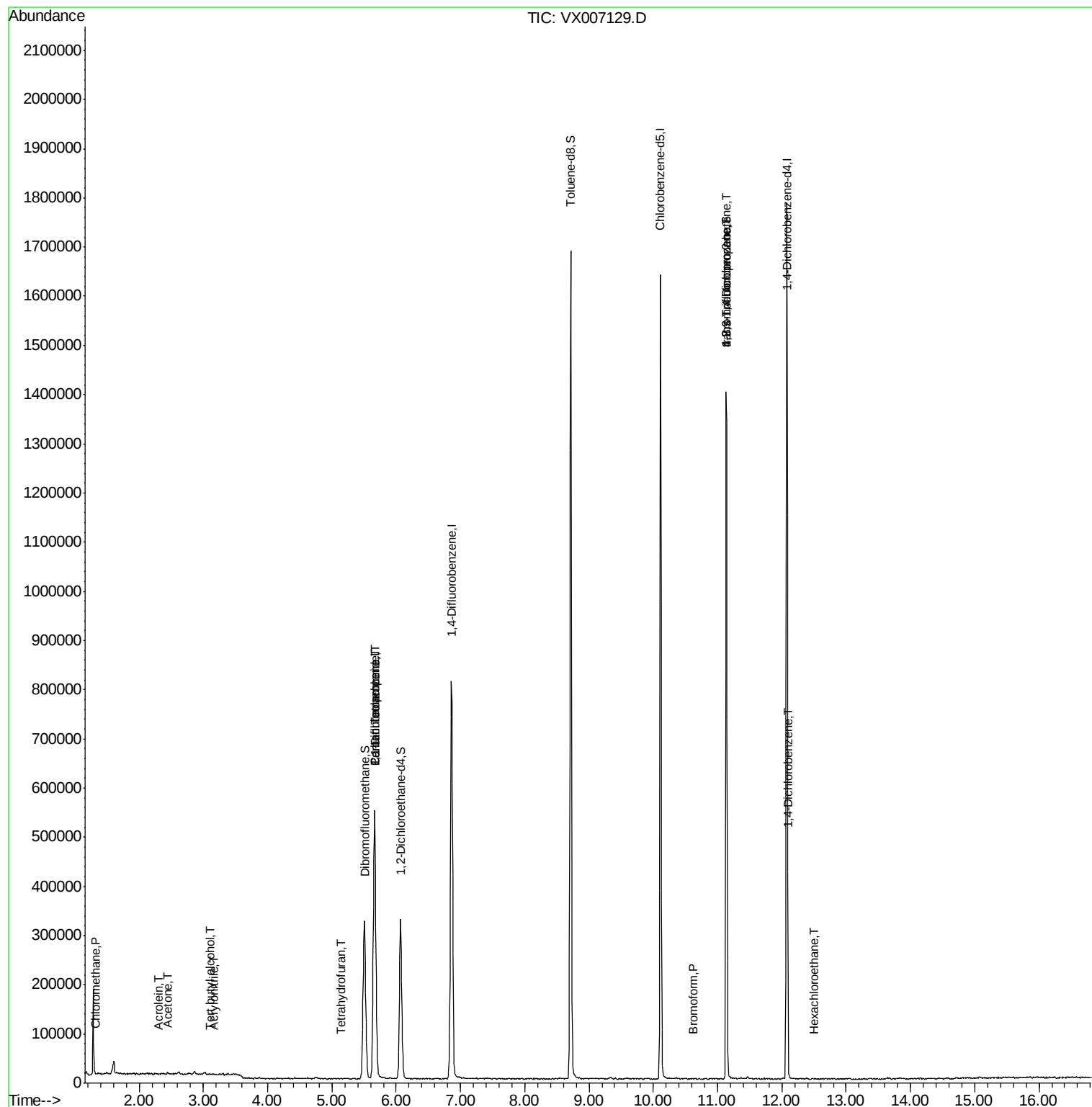
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1313	0.249	ug/l #	79
11) Tert butyl alcohol	3.09	59	585	0.431	ug/l #	50
13) Acrolein	2.31	56	560	4.029	ug/l	94
15) Acrylonitrile	3.15	53	695	0.223	ug/l #	42
16) Acetone	2.45	43	3141	1.104	ug/l #	76
29) Tetrahydrofuran	5.14	42	767	0.290	ug/l #	46
36) 1,1-Dichloropropene	5.67	75	36304	4.824	ug/l #	48
38) Carbon Tetrachloride	5.67	117	47925	6.329	ug/l #	15
49) 1,4-Dioxane	7.74	88	58	Below Cal	#	27
71) Bromoform	10.62	173	101	4.745	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	172055	22.117	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	172055	65.480	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	909	0.216	ug/l #	26
90) Hexachloroethane	12.50	117	46	2.919	ug/l	75

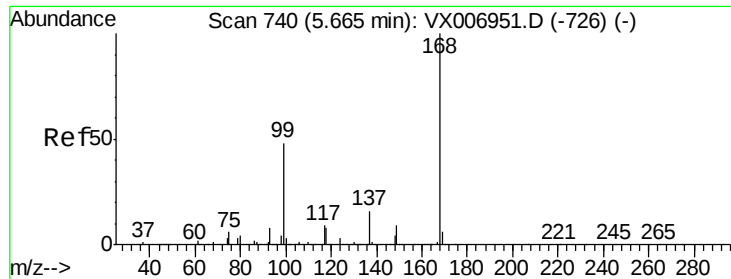
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 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: VX007129.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

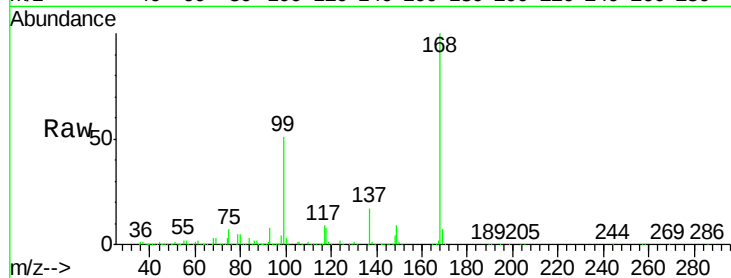
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 550767

Ion Ratio Lower Upper

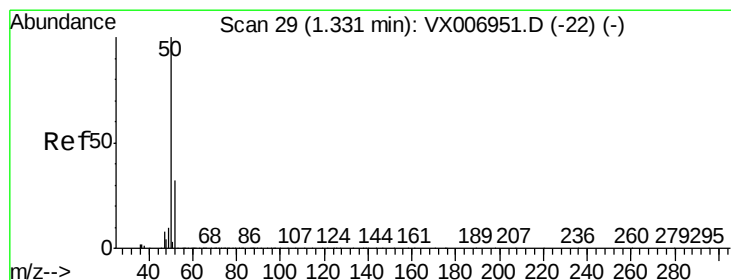
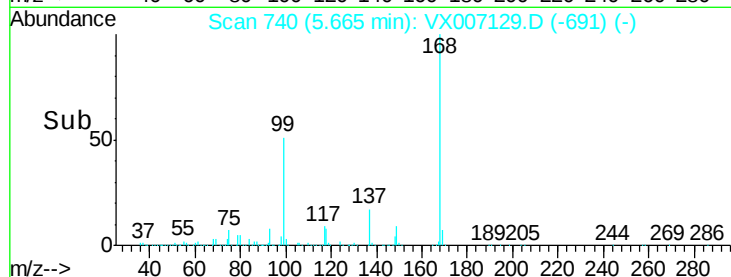
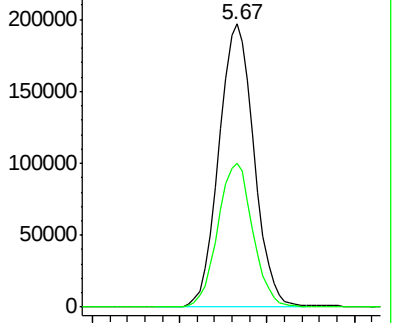
168 100

99 51.0 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.249 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007129.D

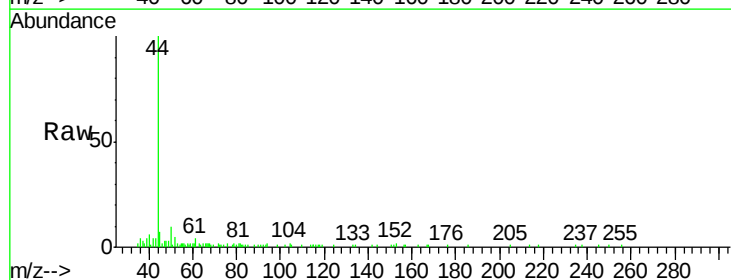
Acq: 18 Jan 2019 12:42

Tgt Ion: 50 Resp: 1313

Ion Ratio Lower Upper

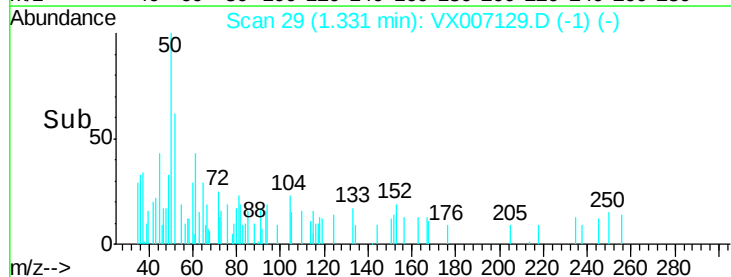
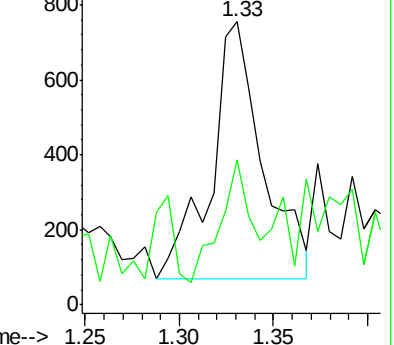
50 100

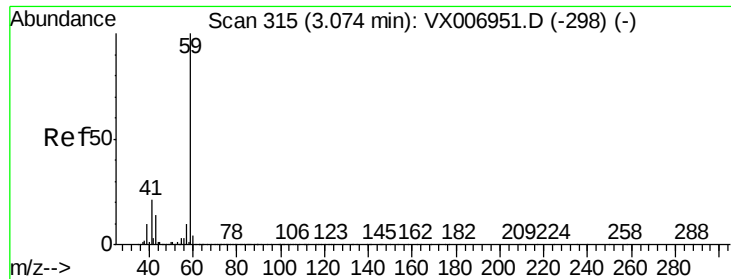
52 20.1 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



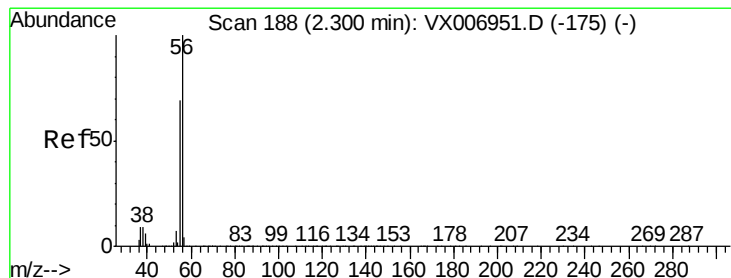
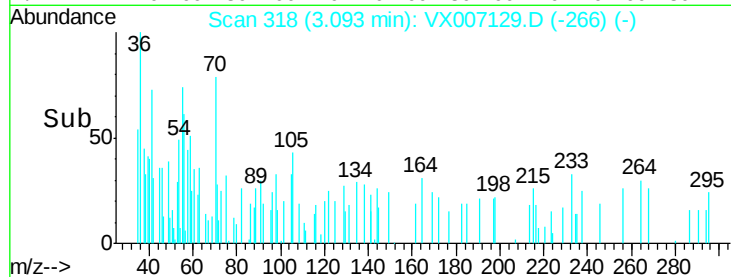
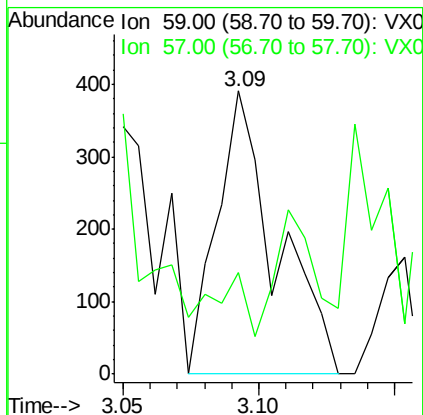
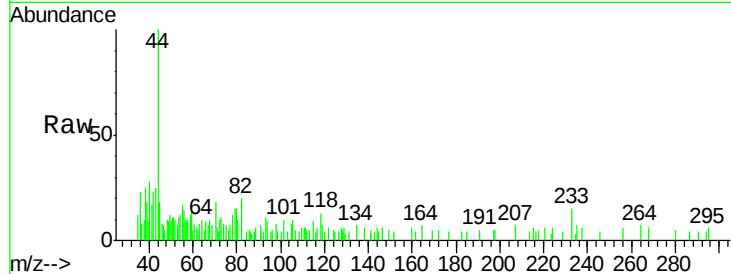


#11

Tert butyl alcohol
 Concen: 0.431 ug/l
 RT: 3.09 min Scan# 318
 Delta R.T. 0.02 min
 Lab File: VX007129.D
 Acq: 18 Jan 2019 12:42

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

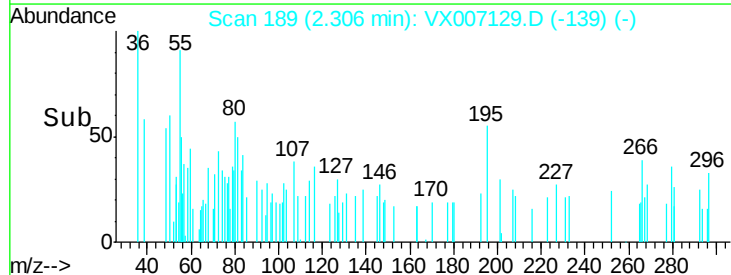
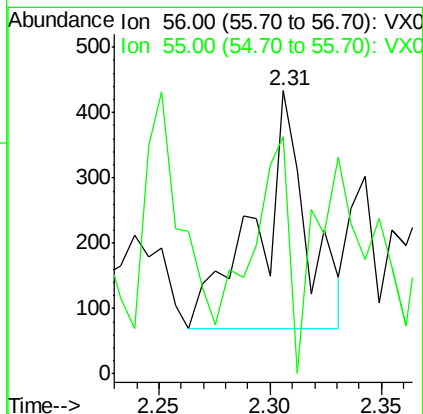
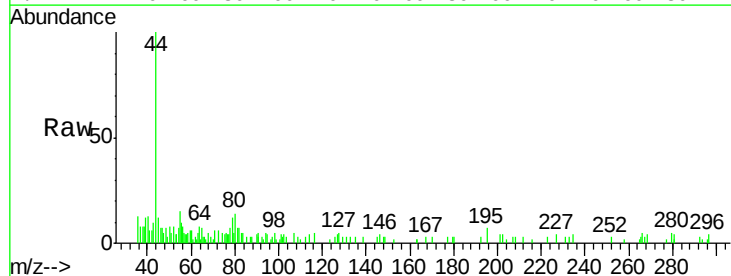
Tot Ion: 59 Resp: 585
 Ion Ratio Lower Upper
 59 100
 57 29.6 8.5 12.7#

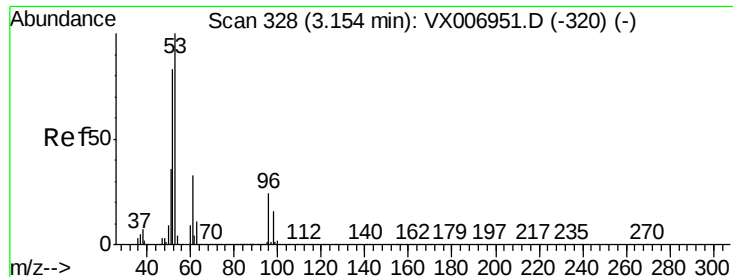


#13

Acrolein
 Concen: 4.029 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX007129.D
 Acq: 18 Jan 2019 12:42

Tgt Ion: 56 Resp: 560
 Ion Ratio Lower Upper
 56 100
 55 77.5 58.2 87.4





#15

Acrylonitrile

Concen: 0.223 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007129.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

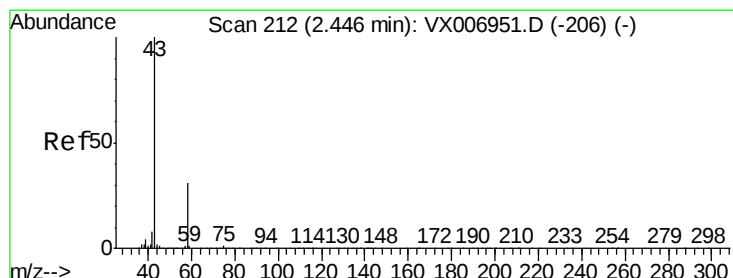
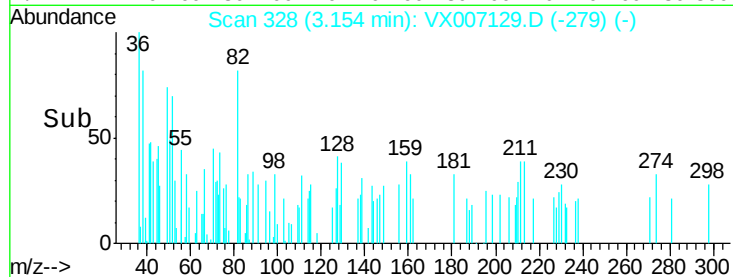
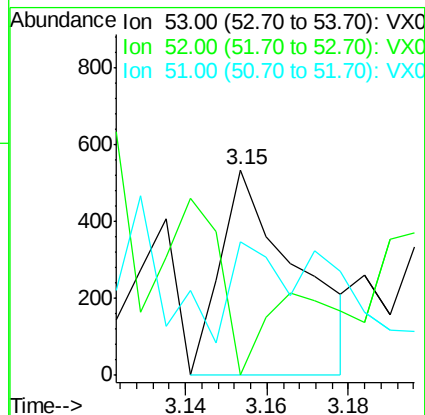
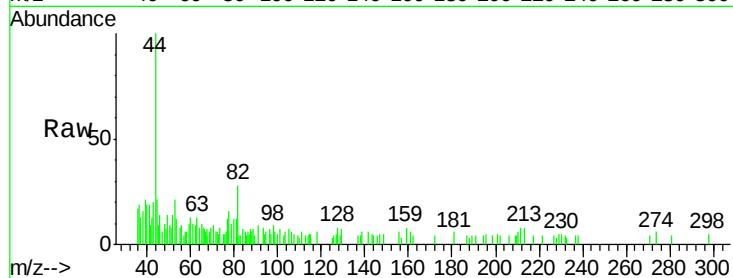
Tot Ion: 53 Resp: 695

Ion Ratio Lower Upper

53 100

52 9.9 66.0 99.0#

51 32.2 28.6 42.8



#16

Acetone

Concen: 1.104 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007129.D

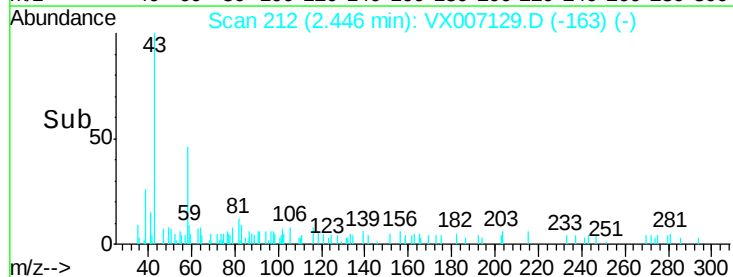
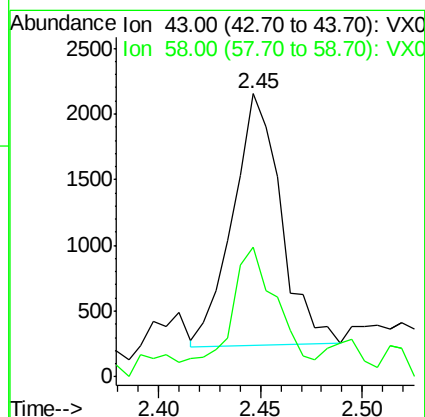
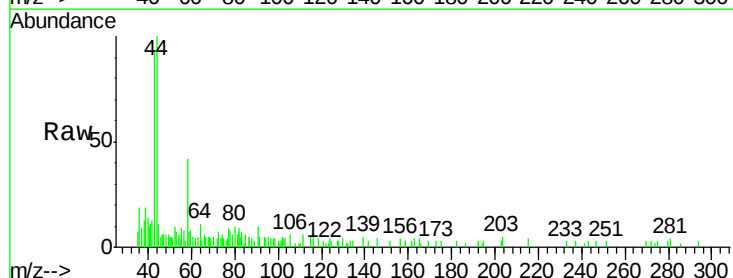
Acq: 18 Jan 2019 12:42

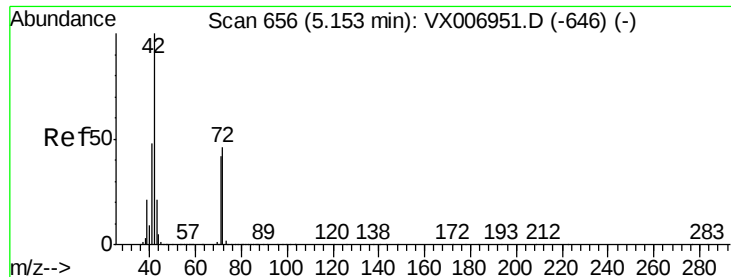
Tgt Ion: 43 Resp: 3141

Ion Ratio Lower Upper

43 100

58 44.5 25.0 37.6#





#29

Tetrahydrofuran

Concen: 0.290 ug/l

RT: 5.14 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX007129.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

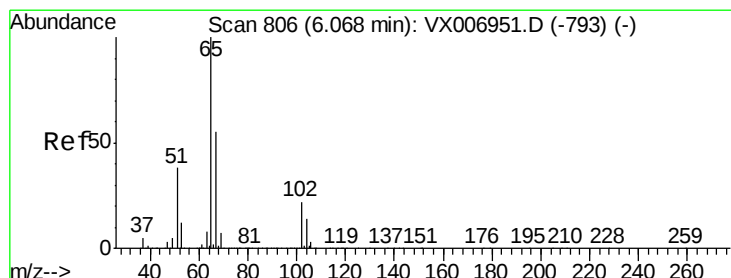
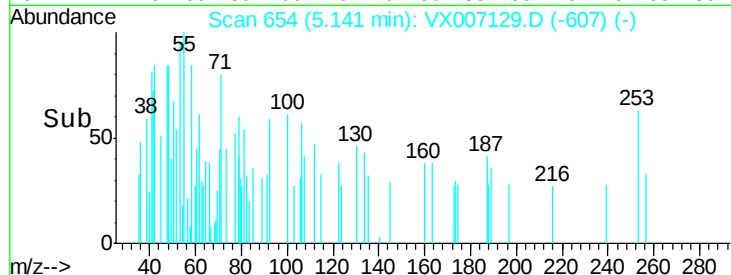
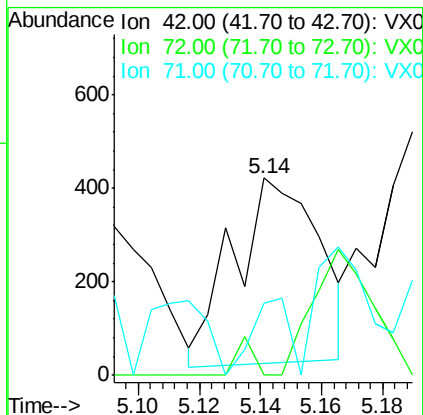
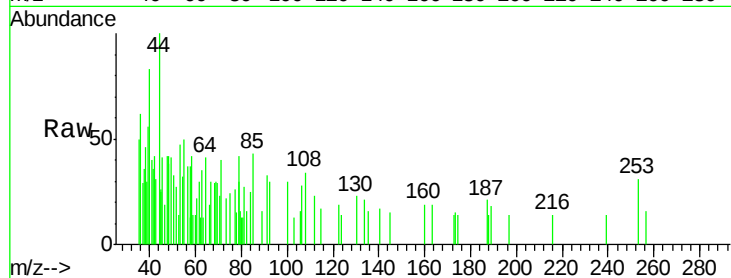
Tot Ion: 42 Resp: 767

Ion Ratio Lower Upper

42 100

72 3.9 38.9 58.3#

71 17.7 36.2 54.4#



#33

1,2-Dichloroethane-d4

Concen: 51.932 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007129.D

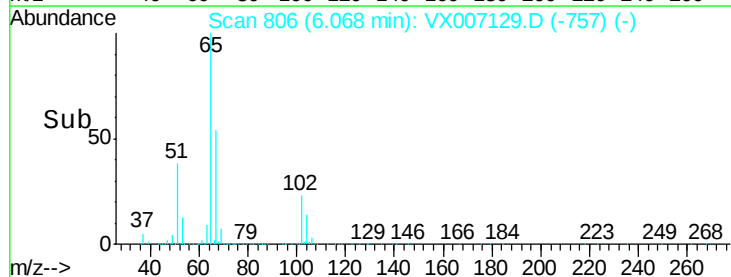
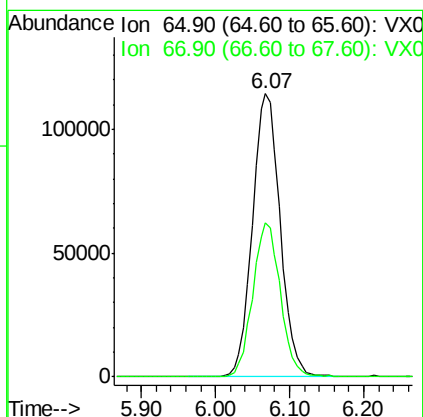
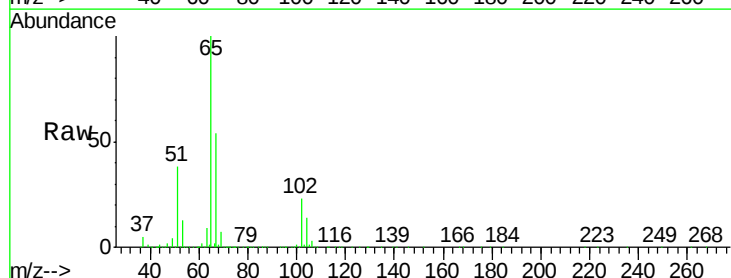
Acq: 18 Jan 2019 12:42

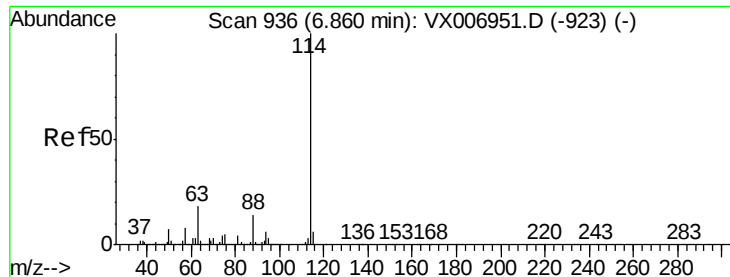
Tgt Ion: 65 Resp: 298919

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007129.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

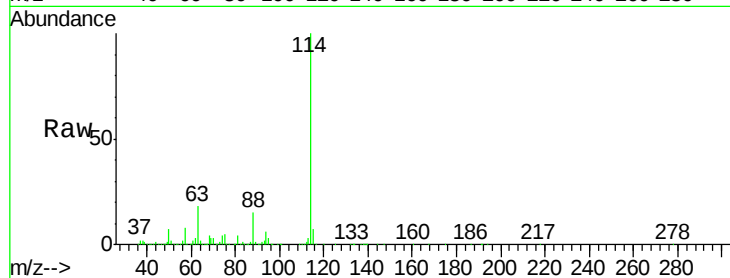
Tot Ion:114 Resp: 865633

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

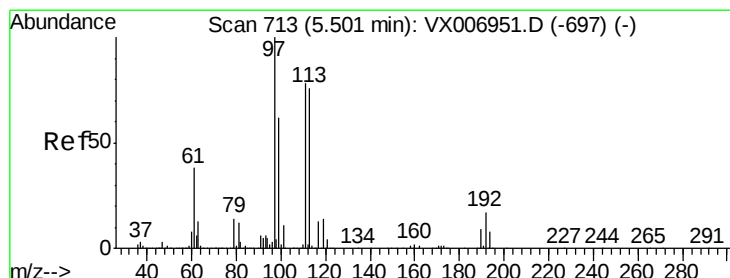
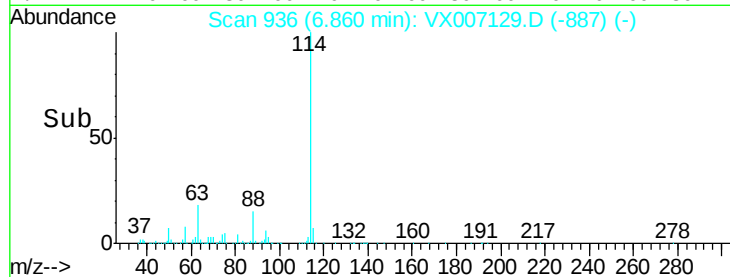
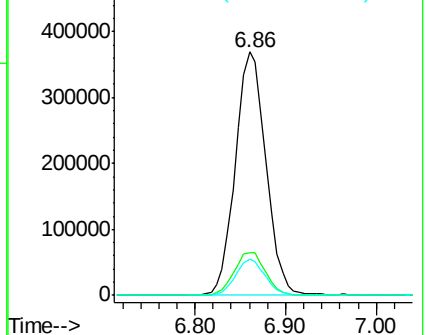
88 15.1 0.0 28.8



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: 48.610 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007129.D

Acq: 18 Jan 2019 12:42

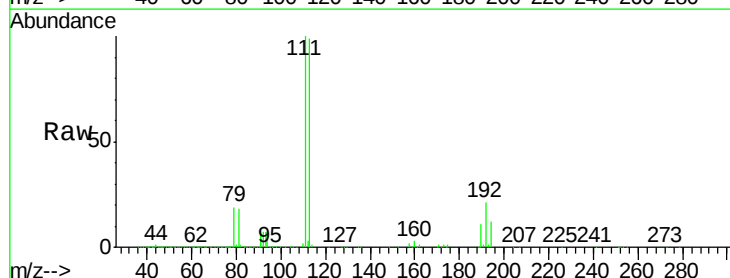
Tgt Ion:113 Resp: 269470

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

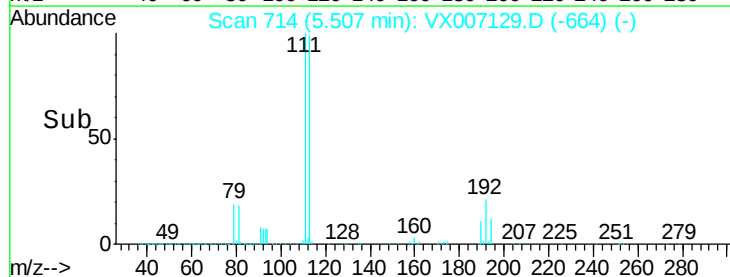
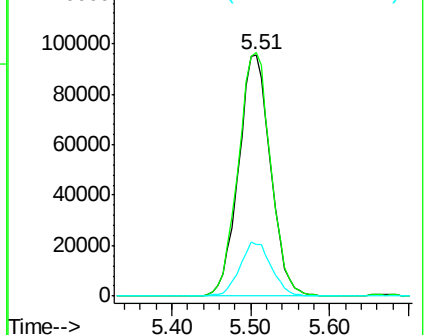
192 22.3 16.7 25.1

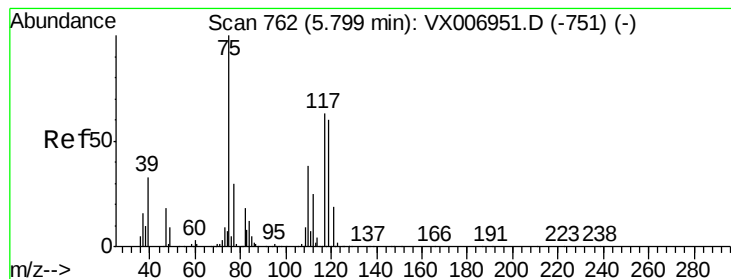


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.824 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007129.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

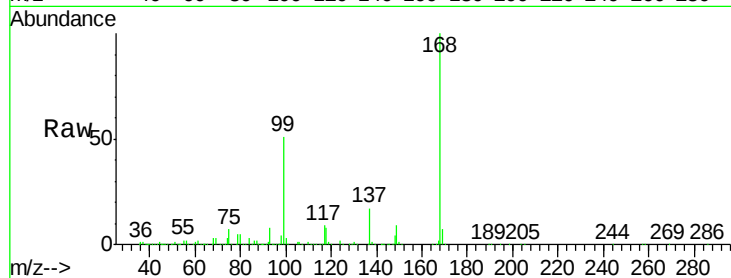
Tot Ion: 75 Resp: 36304

Ion Ratio Lower Upper

75 100

110 10.1 20.2 60.5#

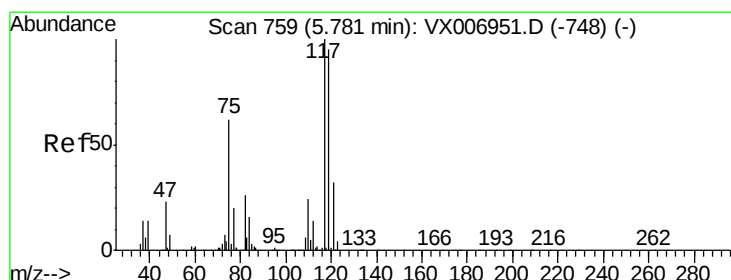
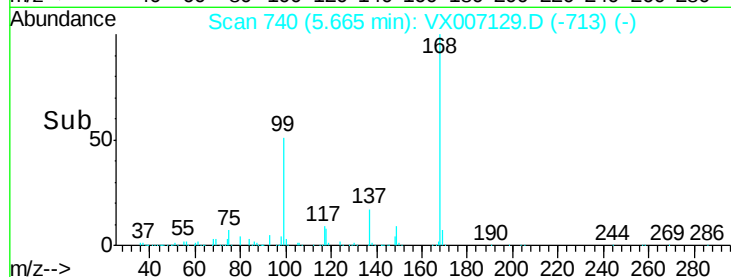
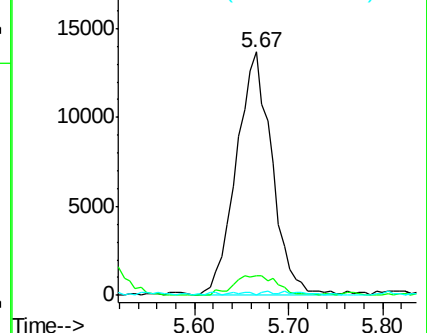
77 0.5 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX007129.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX007129.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX007129.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.329 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007129.D

Acq: 18 Jan 2019 12:42

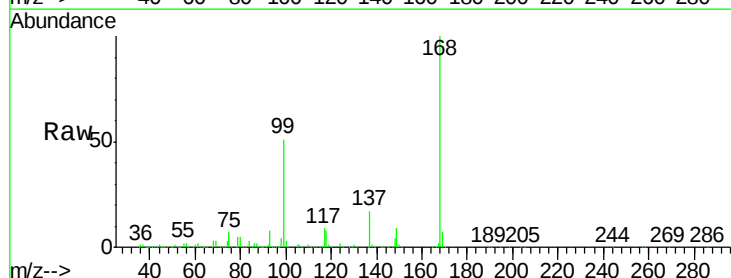
Tgt Ion: 117 Resp: 47925

Ion Ratio Lower Upper

117 100

119 5.6 79.4 119.2#

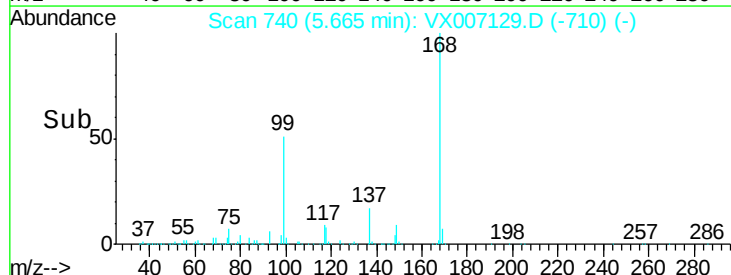
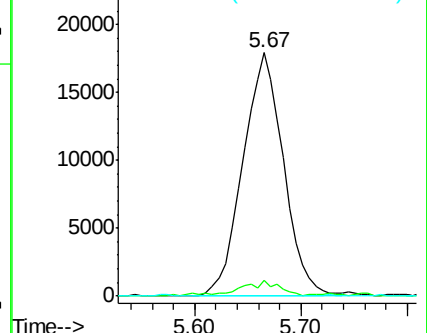
121 0.0 24.0 36.0#

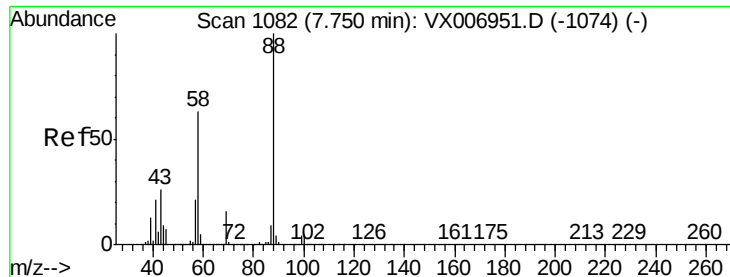


Abundance Ion 116.80 (116.50 to 117.50): VX007129.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX007129.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX007129.D (-710) (-)





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007129.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

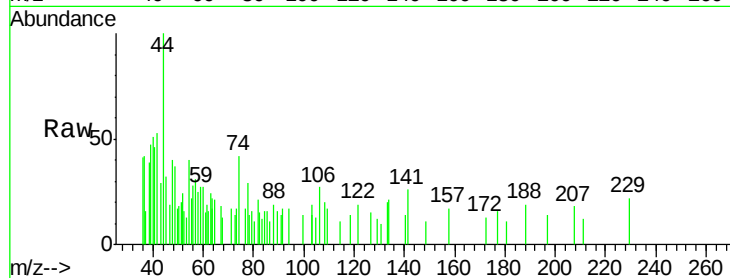
Tot Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

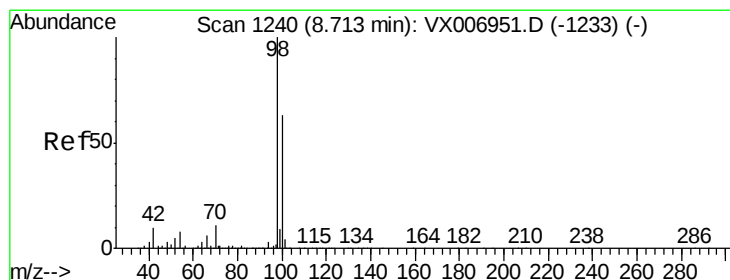
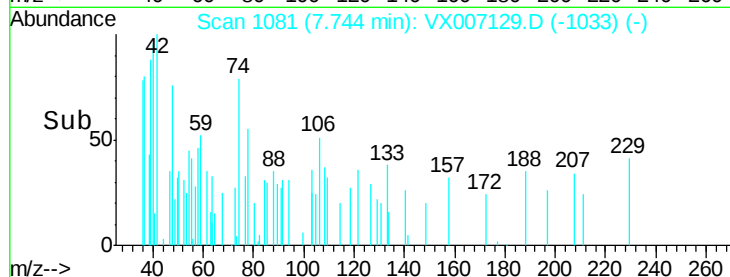
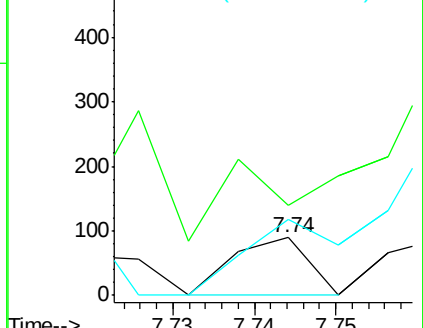
58 0.0 51.0 76.4#



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: 50.088 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007129.D

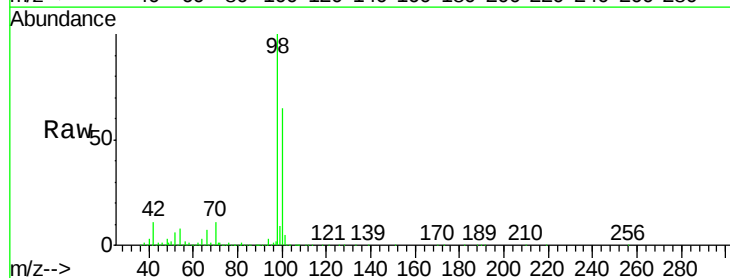
Acq: 18 Jan 2019 12:42

Tgt Ion: 98 Resp: 1016324

Ion Ratio Lower Upper

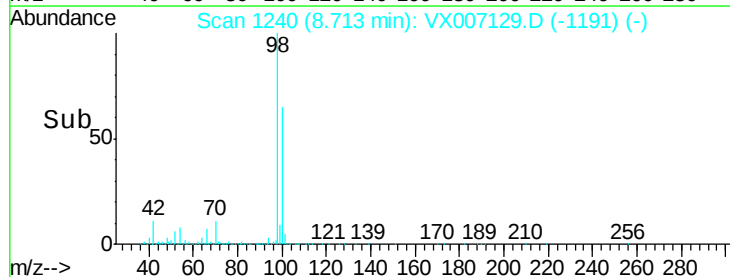
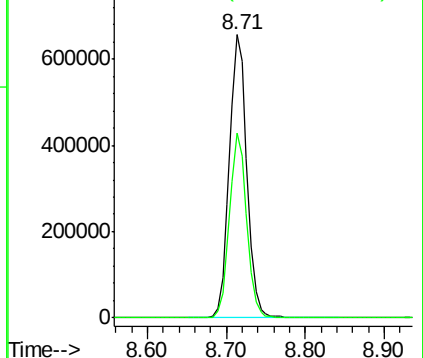
98 100

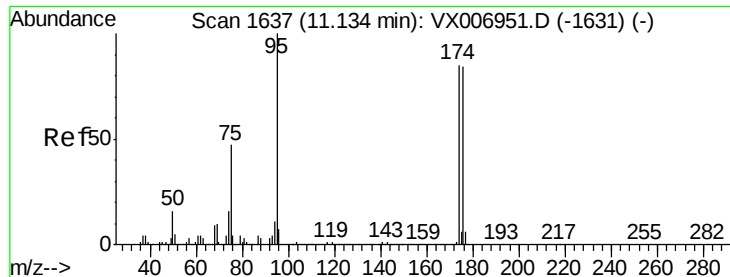
100 63.8 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 50.696 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007129.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

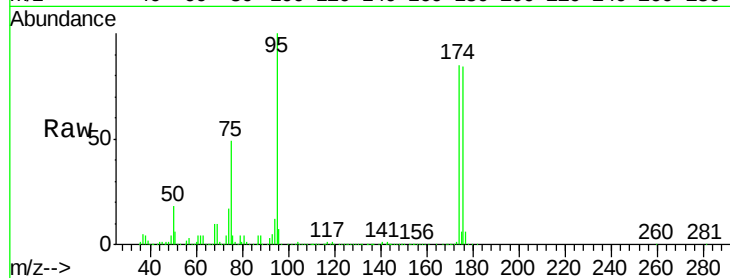
Tot Ion: 95 Resp: 358613

Ion Ratio Lower Upper

95 100

174 92.9 0.0 182.2

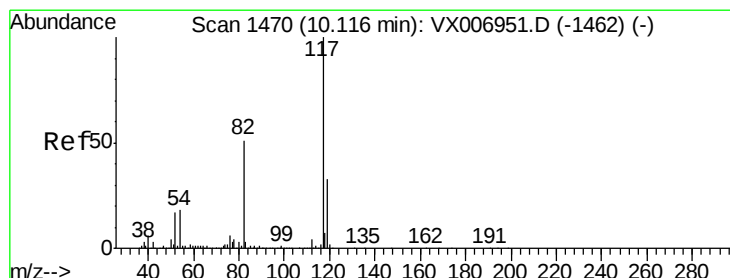
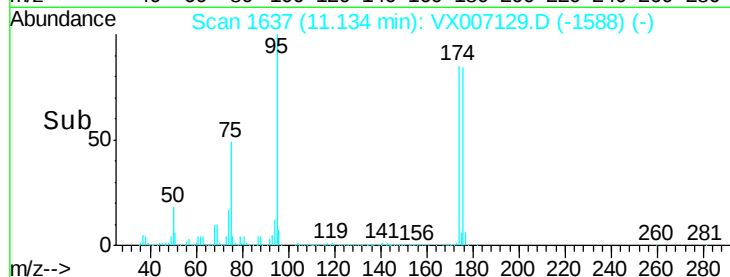
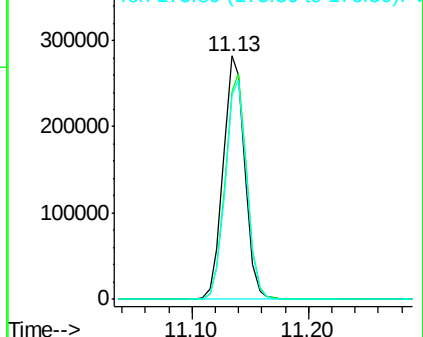
176 90.1 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006951.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006951.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX007129.D

Acq: 18 Jan 2019 12:42

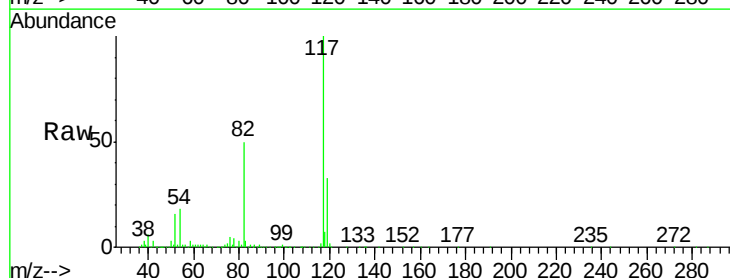
Tgt Ion: 117 Resp: 798221

Ion Ratio Lower Upper

117 100

82 49.7 41.0 61.6

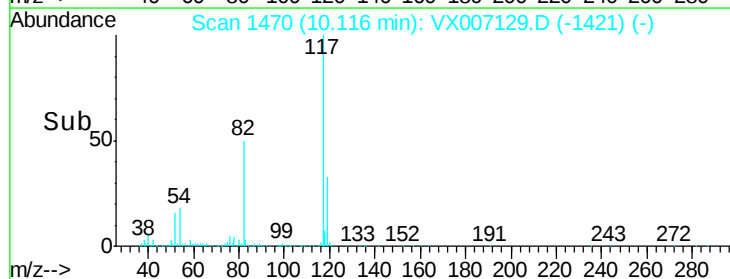
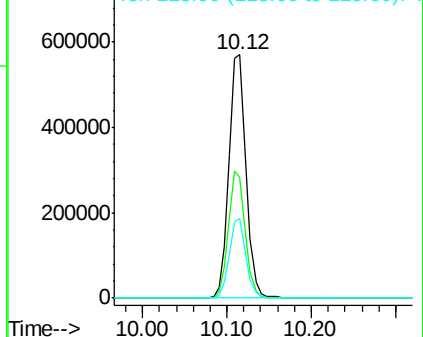
119 32.7 25.4 38.0

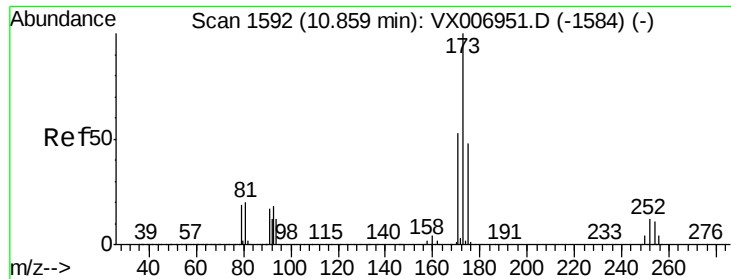


Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006951.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006951.D (-1462) (-)





#71

Bromoform

Concen: 4.745 ug/l

RT: 10.62 min Scan# 1553

Delta R.T. -0.24 min

Lab File: VX007129.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

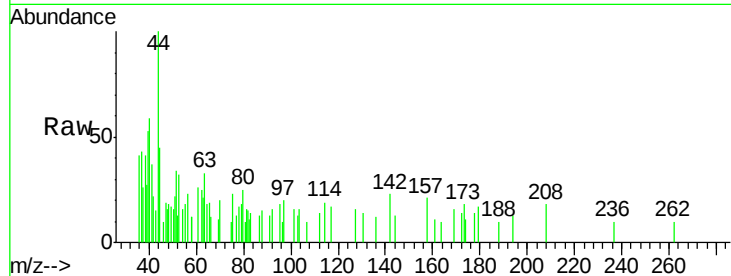
Tot Ion:173 Resp: 101

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

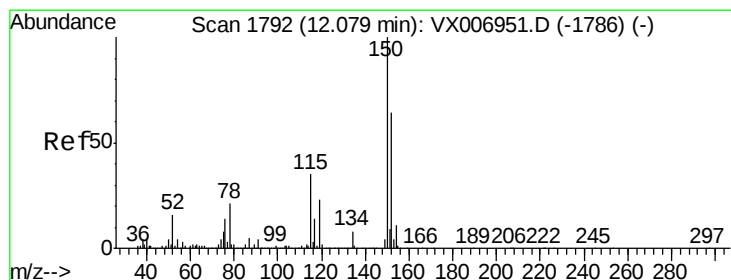
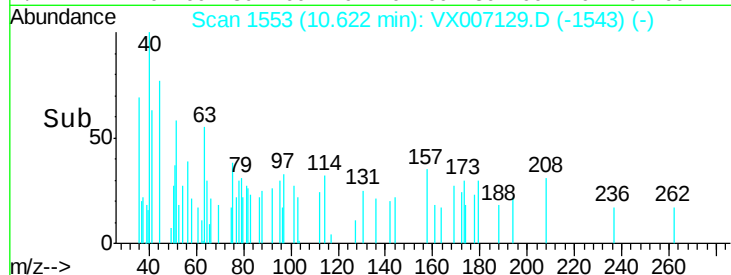
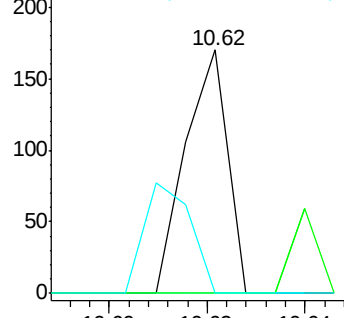
254 50.5 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX007129.D

Acq: 18 Jan 2019 12:42

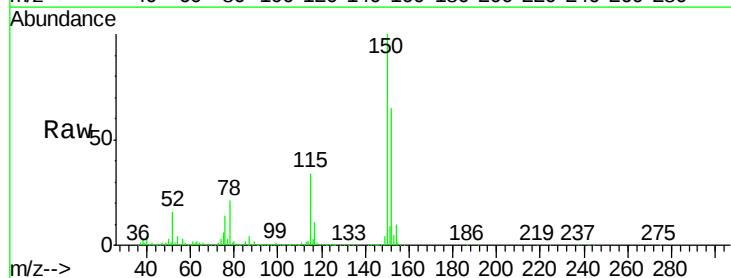
Tgt Ion:152 Resp: 383882

Ion Ratio Lower Upper

152 100

115 55.2 39.1 117.2

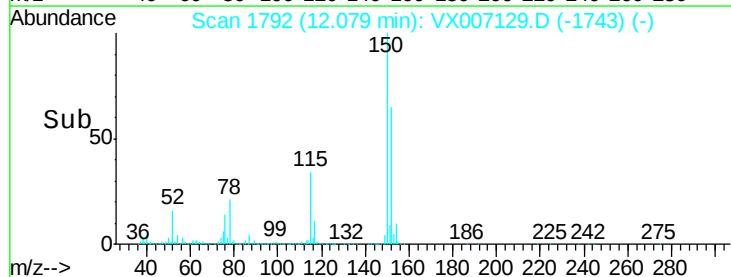
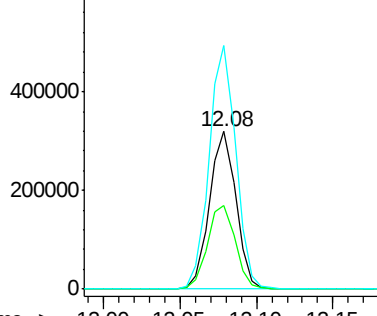
150 155.5 0.0 344.8

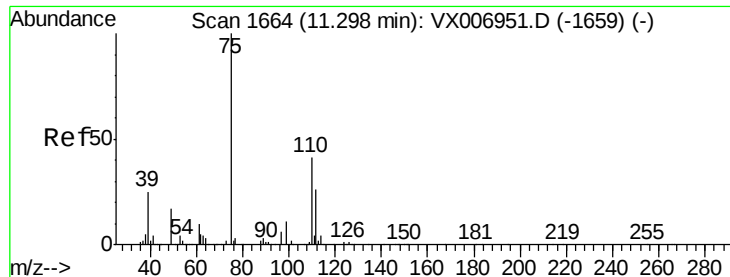


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.117 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007129.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

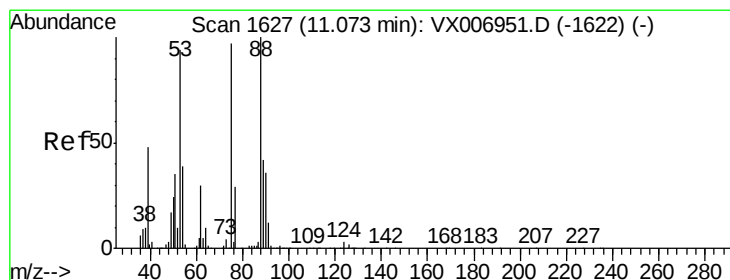
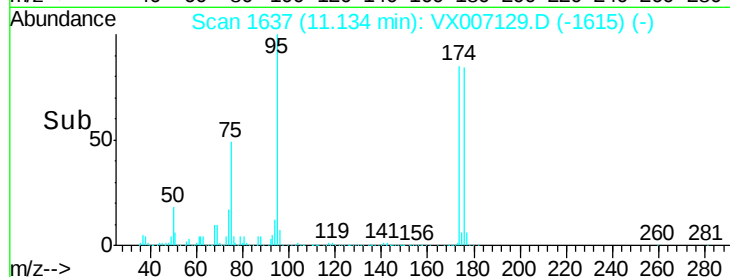
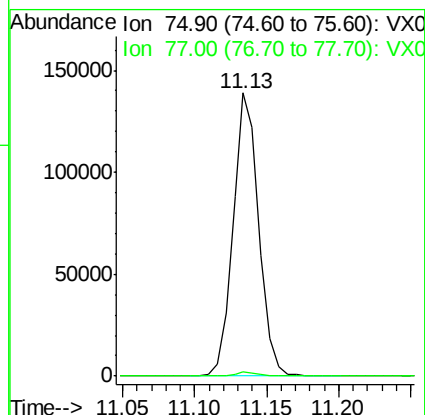
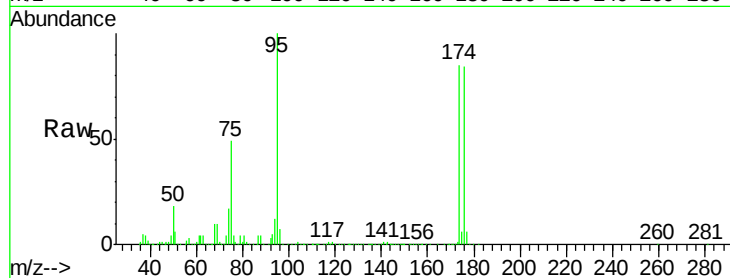
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 172055

Ion Ratio Lower Upper

75 100

77 1.3 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.480 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007129.D

Acq: 18 Jan 2019 12:42

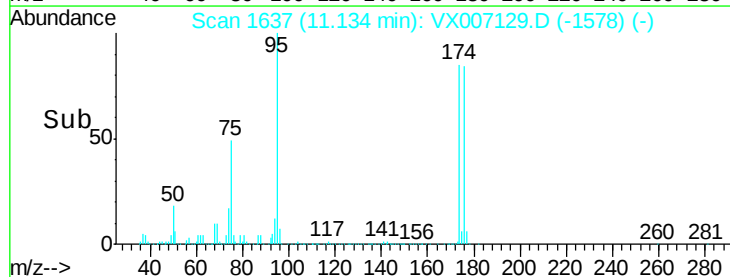
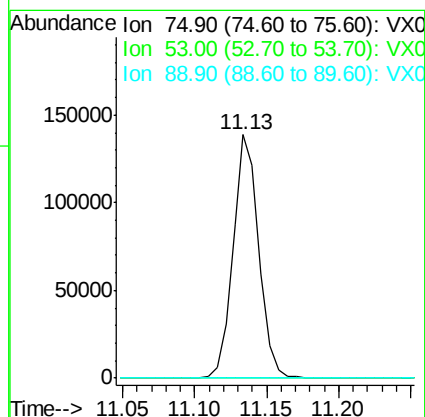
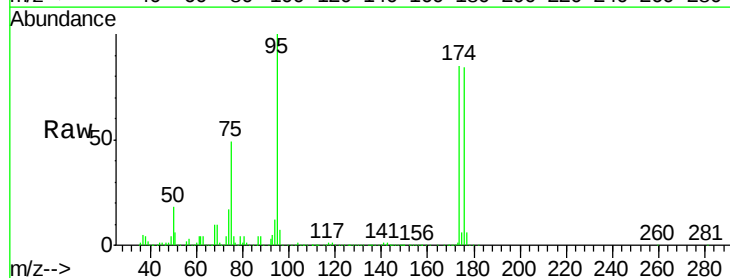
Tgt Ion: 75 Resp: 172055

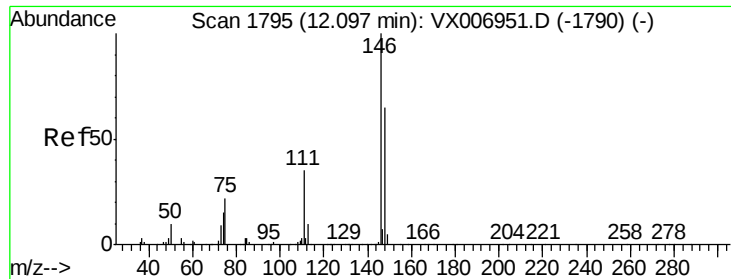
Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.2 38.0 57.0#

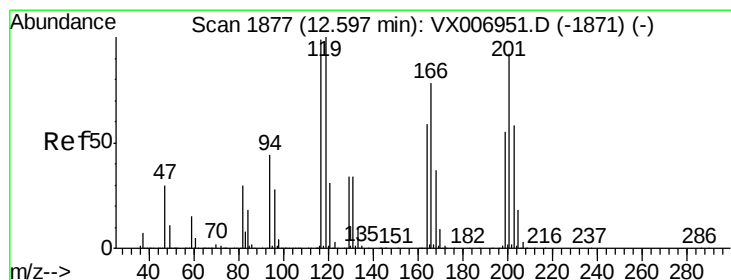
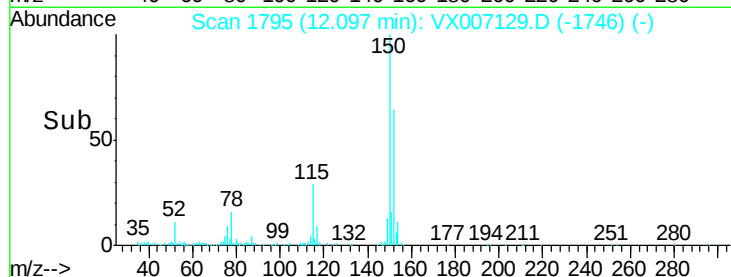
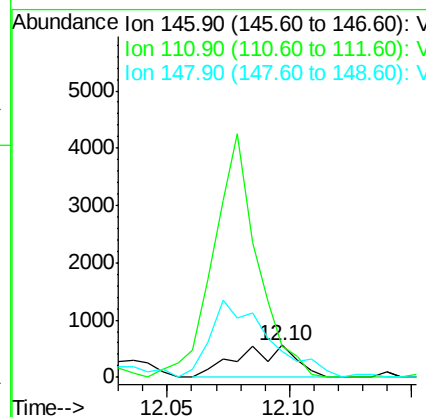
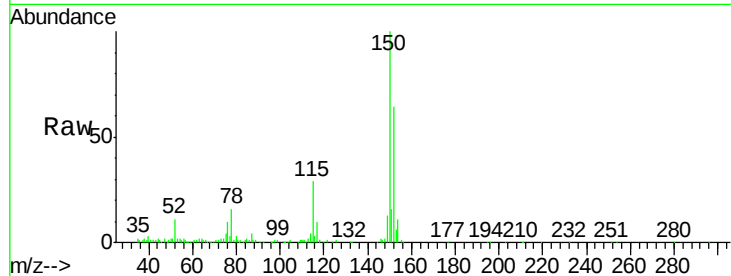




#88
 1,4-Dichlorobenzene
 Concen: 0.216 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007129.D
 Acq: 18 Jan 2019 12:42

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

Tot Ion:146 Resp: 909
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.1 54.1#
 148 0.0 31.9 95.9#



#90
 Hexachloroethane
 Concen: 2.919 ug/l
 RT: 12.50 min Scan# 1861
 Delta R.T. -0.10 min
 Lab File: VX007129.D
 Acq: 18 Jan 2019 12:42

Tgt Ion:117 Resp: 46
 Ion Ratio Lower Upper
 117 100
 201 63.0 42.9 128.7

