

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062718\
 Data File : VX002971.D
 Acq On : 28 Jun 2018 07:31
 Operator : JC/MD
 Sample : J3691-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-11

Quant Time: Jun 28 07:52:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	378803	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	350342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201319	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	180451	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
35) Dibromofluoromethane	5.51	113	147394	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
50) Toluene-d8	8.72	98	528999	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	11.14	95	188571	44.64	ug/l	0.00
Spiked Amount			Recovery	=	89.28%	

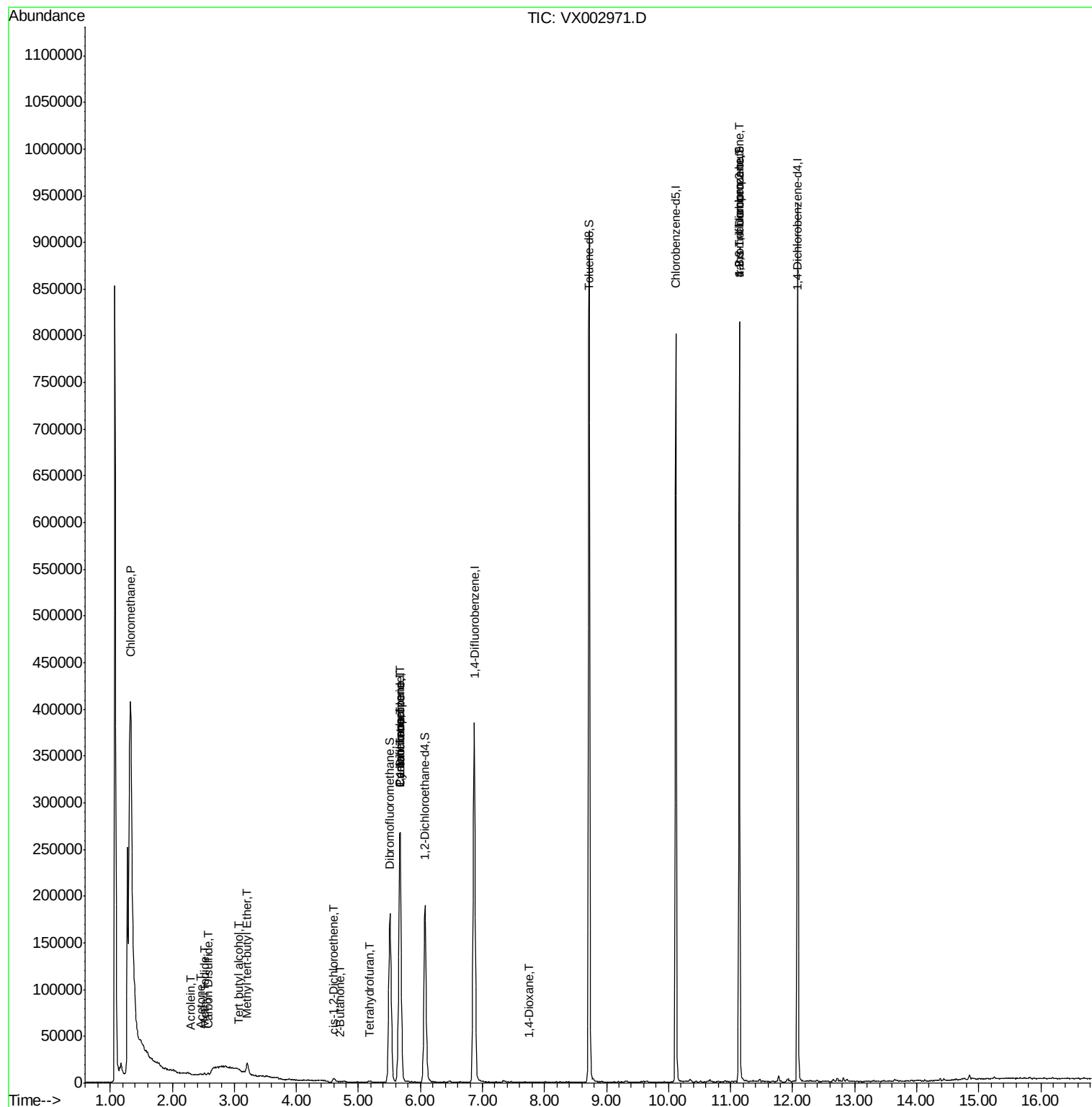
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	50	Below Cal	#	43
3) Chloromethane	1.32	50	24662	8.82	ug/l #	45
5) Bromomethane	1.66	94	1296	Below Cal		82
10) Methyl Iodide	2.51	142	2391	6.91	ug/l	96
11) Tert butyl alcohol	3.07	59	1094	1.46	ug/l #	52
13) Acrolein	2.31	56	230	4.77	ug/l #	43
16) Acetone	2.45	43	1905	1.23	ug/l	97
17) Carbon Disulfide	2.57	76	3950	0.55	ug/l #	90
19) Methyl tert-butyl Ether	3.21	73	11908	1.24	ug/l	95
25) 2-Butanone	4.70	43	481	0.21	ug/l #	52
27) cis-1,2-Dichloroethene	4.60	96	1114	0.34	ug/l #	1
29) Tetrahydrofuran	5.18	42	1083	0.73	ug/l #	89
31) Cyclohexane	5.67	56	5486	1.17	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17947	4.32	ug/l #	51
38) Carbon Tetrachloride	5.67	117	24943	5.47	ug/l #	16
49) 1,4-Dioxane	7.74	88	20	0.27	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	98438	26.99	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	98438	76.42	ug/l #	7

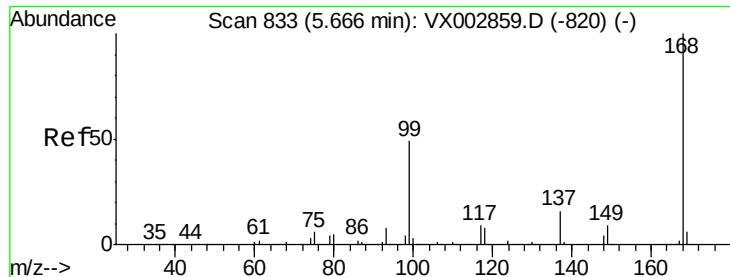
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX002971.D

Acq: 28 Jun 2018 07:31

Instrument :

MSVOA_X

ClientSampled :

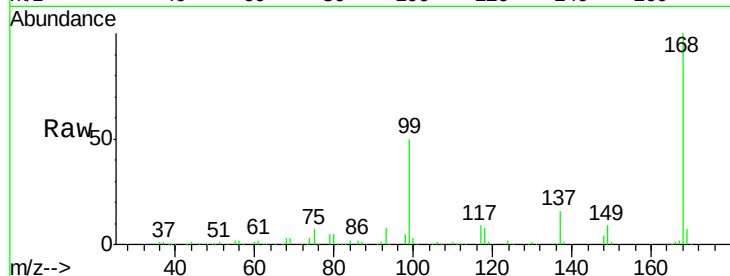
W-11

Tot Ion:168 Resp: 271449

Ion Ratio Lower Upper

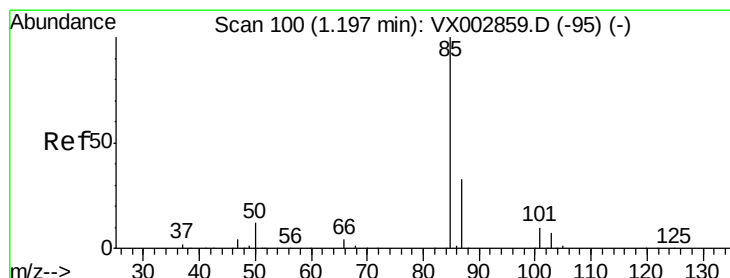
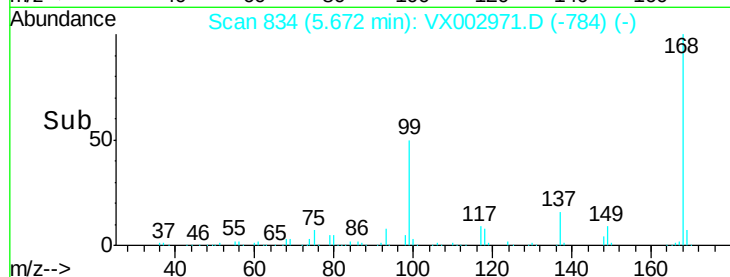
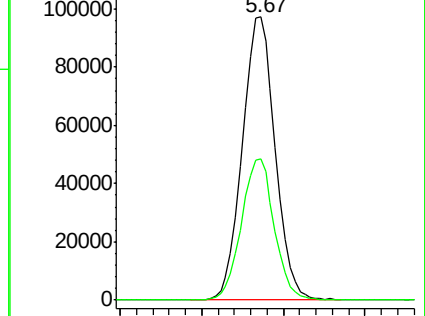
168 100

99 50.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002971.D

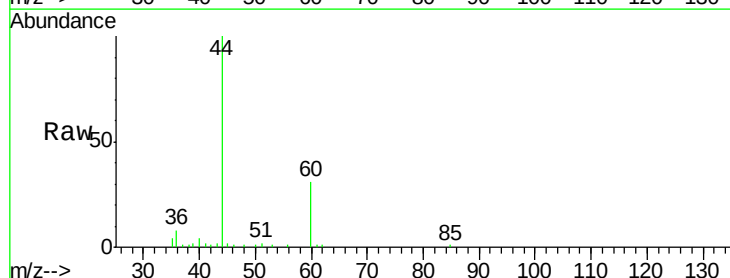
Acq: 28 Jun 2018 07:31

Tgt Ion: 85 Resp: 50

Ion Ratio Lower Upper

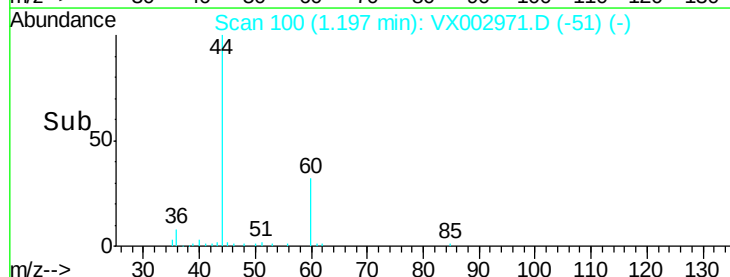
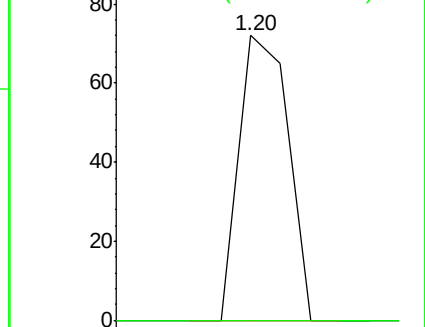
85 100

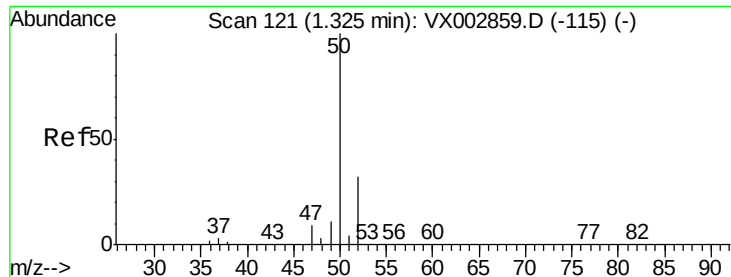
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 8.82 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX002971.D

Acq: 28 Jun 2018 07:31

Instrument :

MSVOA_X

ClientSampled :

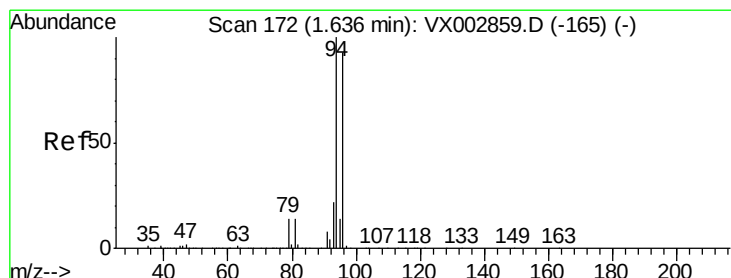
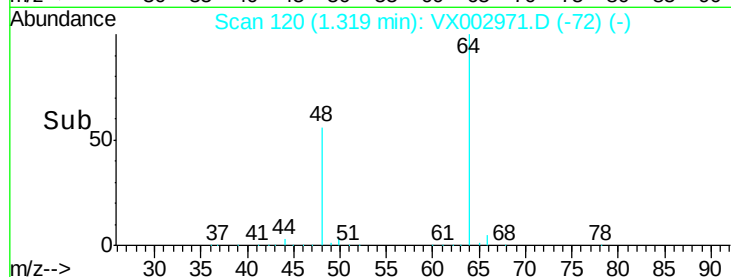
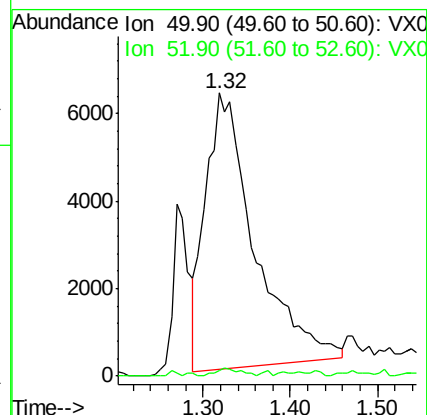
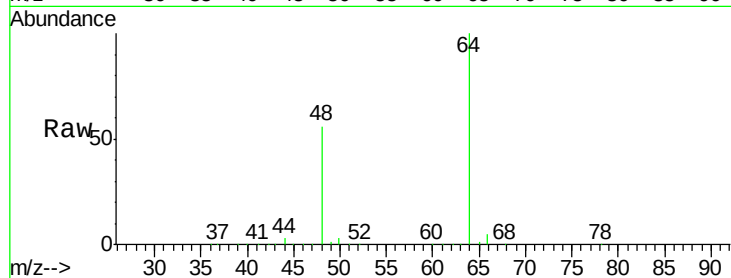
W-11

Tot Ion: 50 Resp: 24662

Ion Ratio Lower Upper

50 100

52 1.4 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002971.D

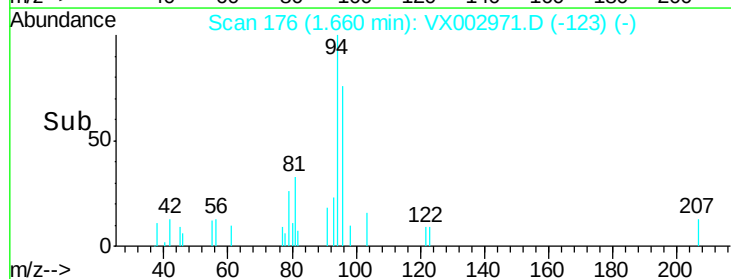
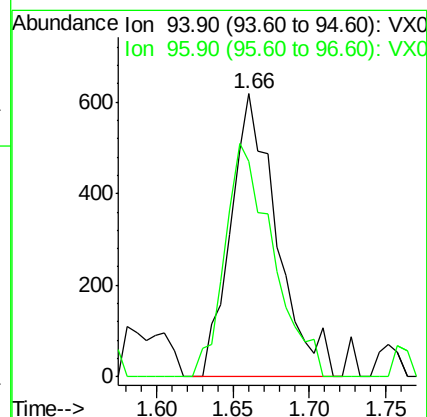
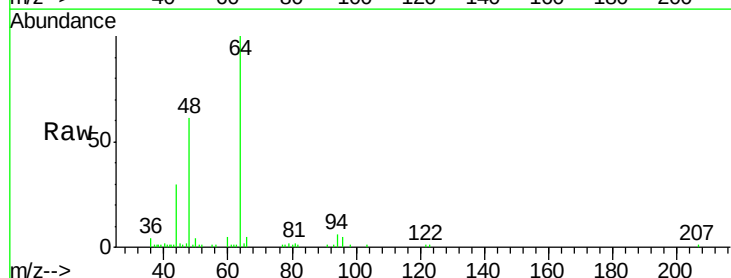
Acq: 28 Jun 2018 07:31

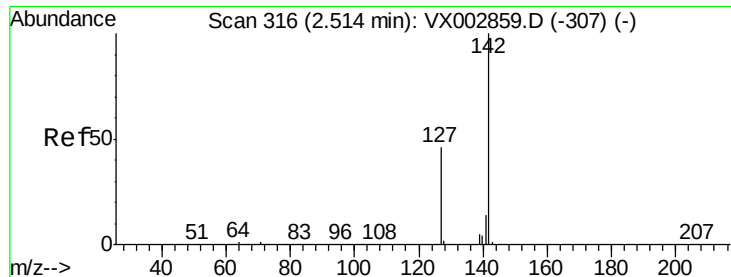
Tgt Ion: 94 Resp: 1296

Ion Ratio Lower Upper

94 100

96 76.1 74.9 112.3

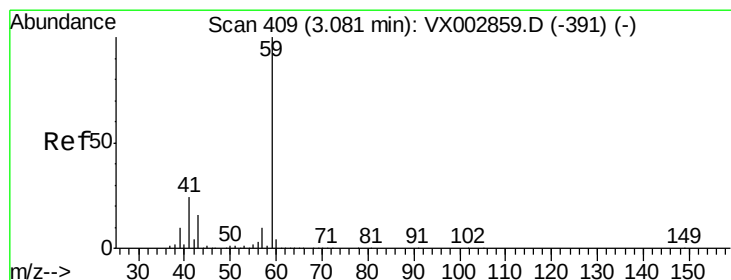
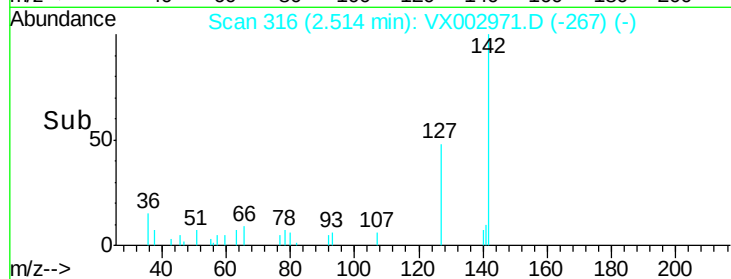
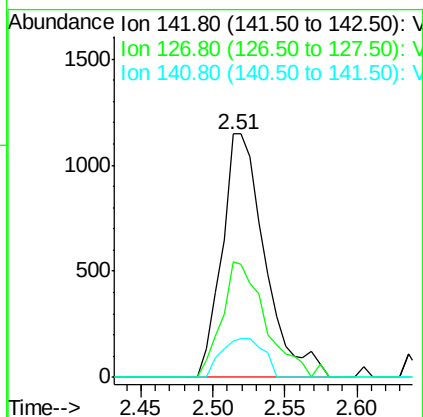
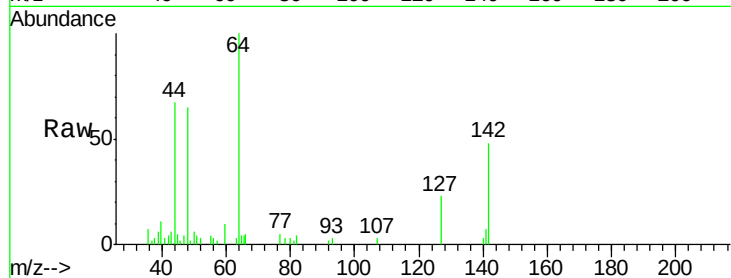




#10
Methvl Iodide
Concen: 6.91 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX002971.D
Acq: 28 Jun 2018 07:31

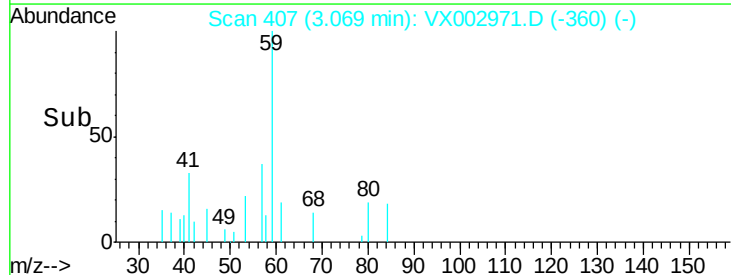
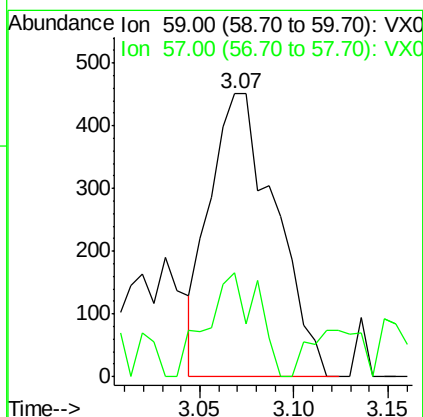
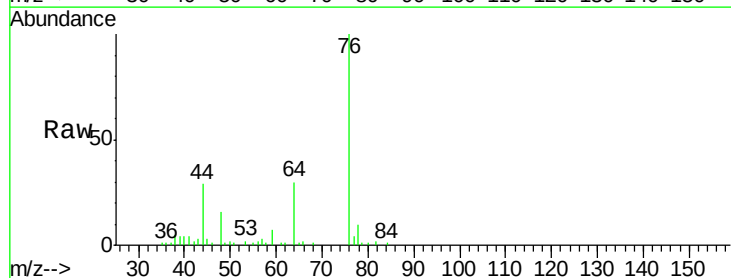
Instrument :
MSVOA_X
ClientSampled :
W-11

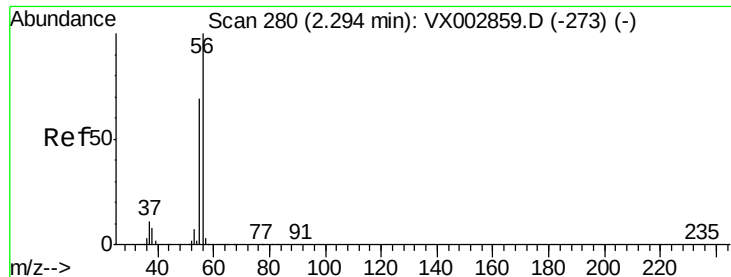
Tot Ion:142 Resp: 2391
Ion Ratio Lower Upper
142 100
127 48.6 36.6 55.0
141 15.6 11.3 16.9



#11
Tert butyl alcohol
Concen: 1.46 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002971.D
Acq: 28 Jun 2018 07:31

Tgt Ion: 59 Resp: 1094
Ion Ratio Lower Upper
59 100
57 28.0 8.2 12.2#





#13

Acrolein

Concen: 4.77 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX002971.D

Acq: 28 Jun 2018 07:31

Instrument :

MSVOA_X

ClientSampled :

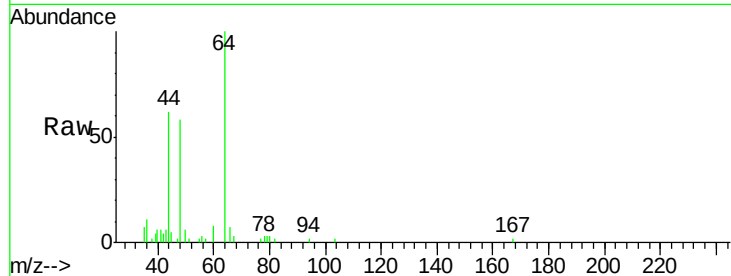
W-11

Tot Ion: 56 Resp: 230

Ion Ratio Lower Upper

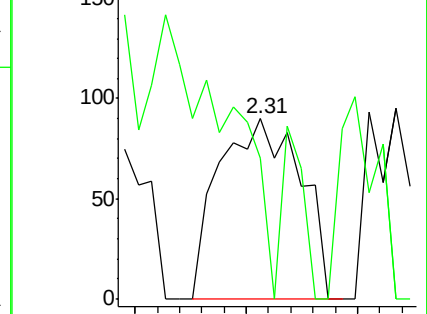
56 100

55 23.9 57.0 85.4#

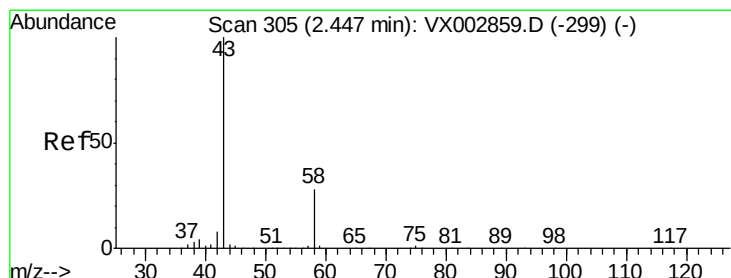
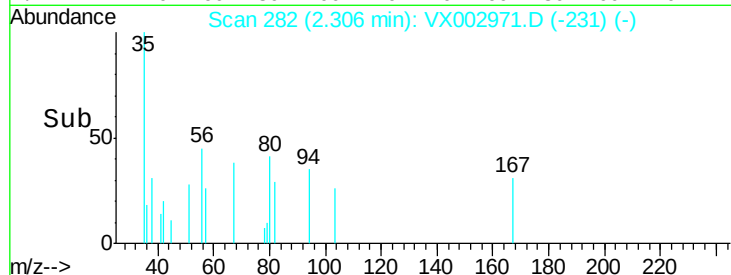


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 1.23 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX002971.D

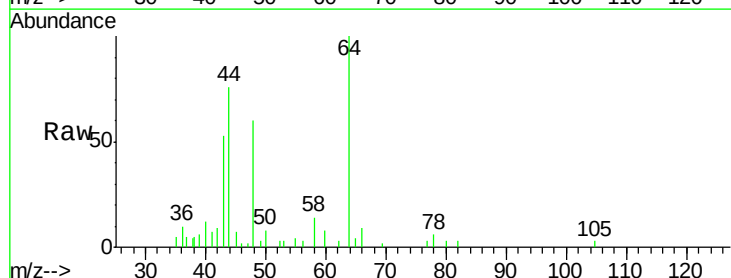
Acq: 28 Jun 2018 07:31

Tgt Ion: 43 Resp: 1905

Ion Ratio Lower Upper

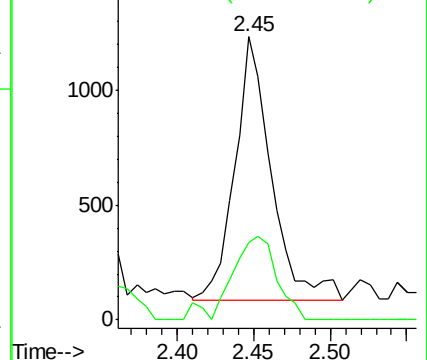
43 100

58 29.2 22.1 33.1

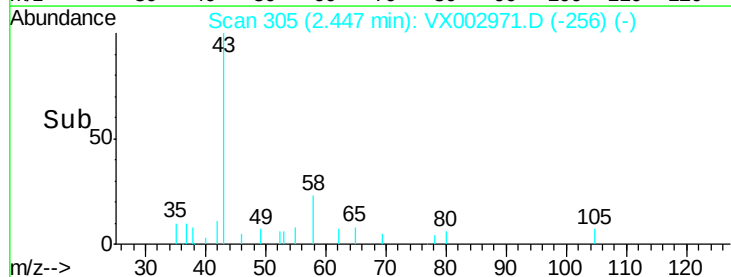


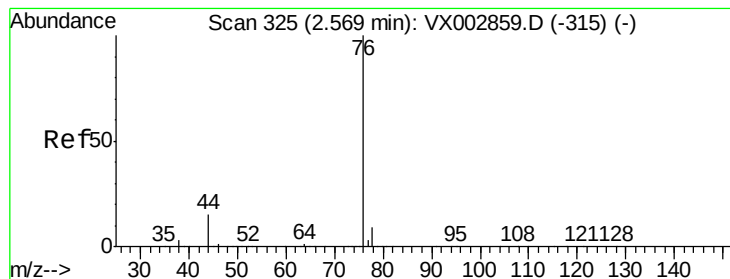
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: 0.55 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002971.D

Acq: 28 Jun 2018 07:31

Instrument :

MSVOA_X

ClientSampled :

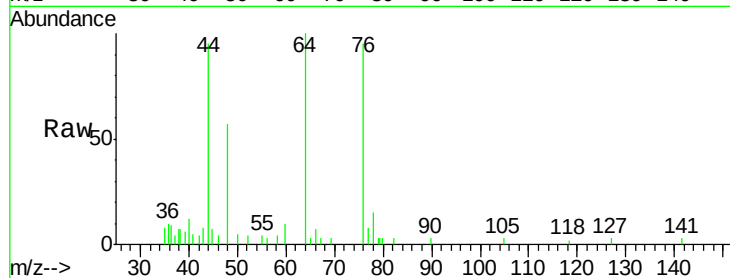
W-11

Tot Ion: 76 Resp: 3950

Ion Ratio Lower Upper

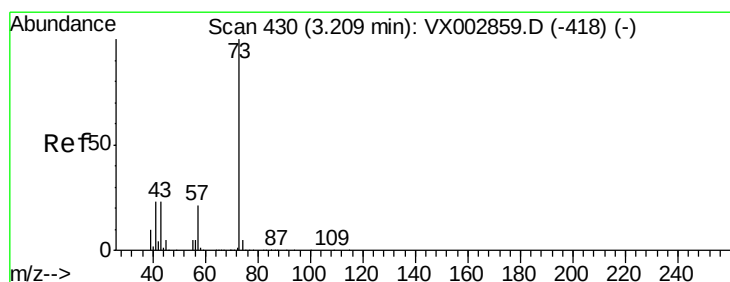
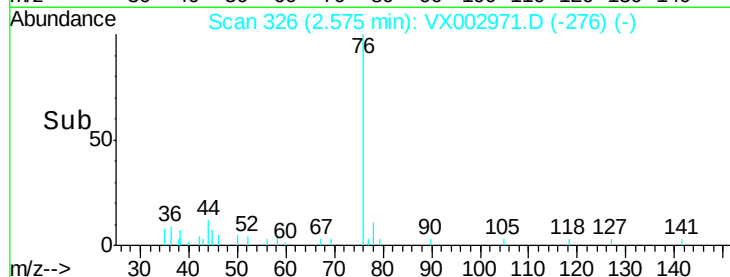
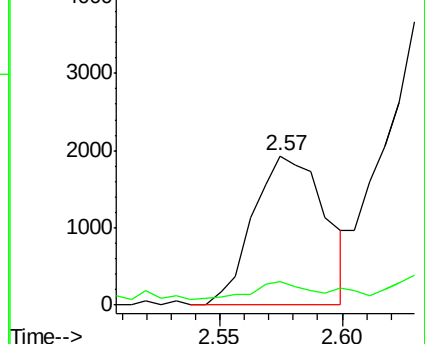
76 100

78 12.2 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#19

Methyl tert-butyl Ether

Concen: 1.24 ug/l

RT: 3.21 min Scan# 430

Delta R.T. 0.00 min

Lab File: VX002971.D

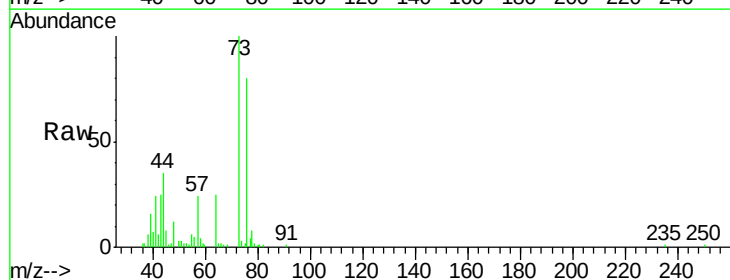
Acq: 28 Jun 2018 07:31

Tgt Ion: 73 Resp: 11908

Ion Ratio Lower Upper

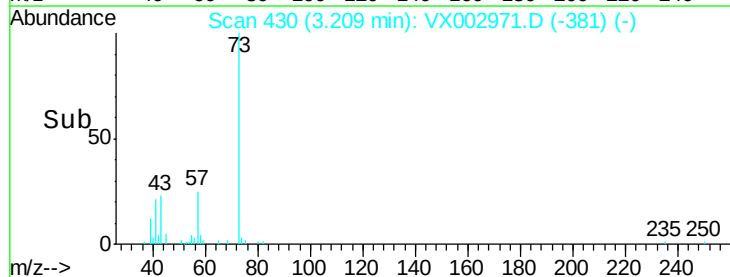
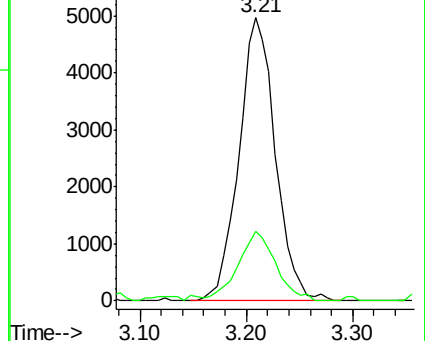
73 100

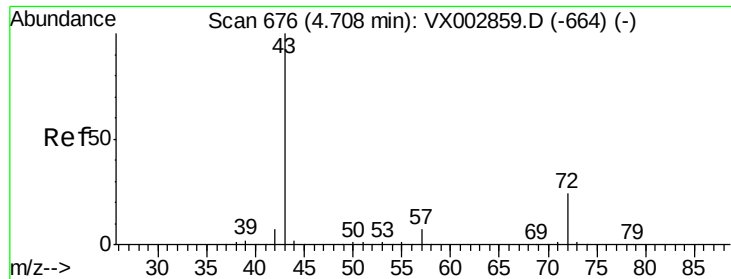
57 24.5 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#25

2-Butanone

Concen: 0.21 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002971.D

Acq: 28 Jun 2018 07:31

Instrument :

MSVOA_X

ClientSampled :

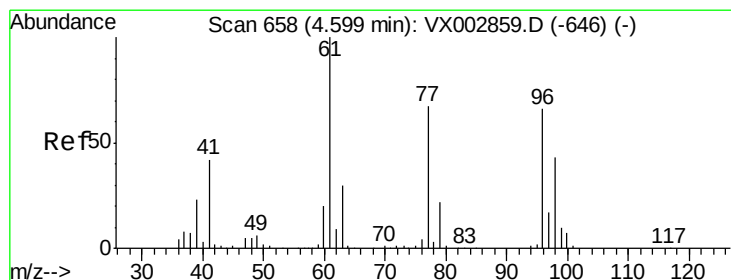
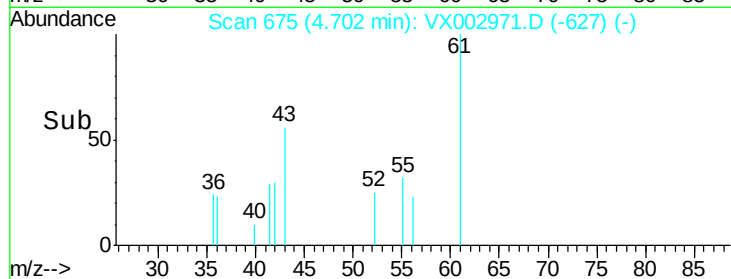
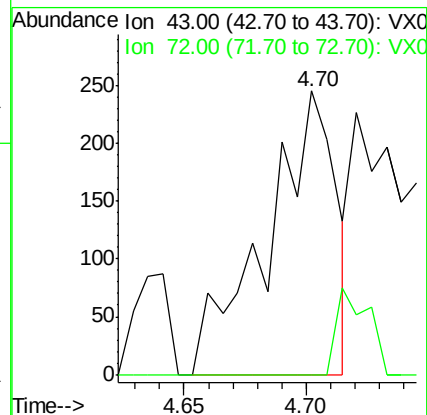
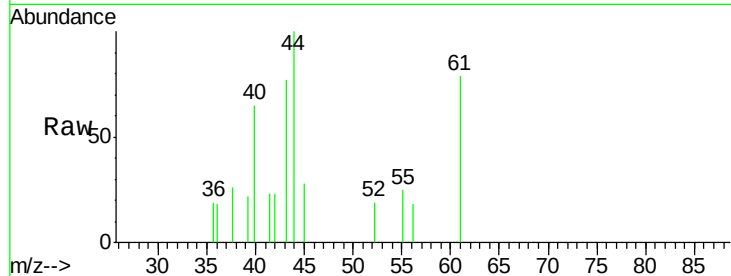
W-11

Tot Ion: 43 Resp: 481

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



#27

cis-1,2-Dichloroethene

Concen: 0.34 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002971.D

Acq: 28 Jun 2018 07:31

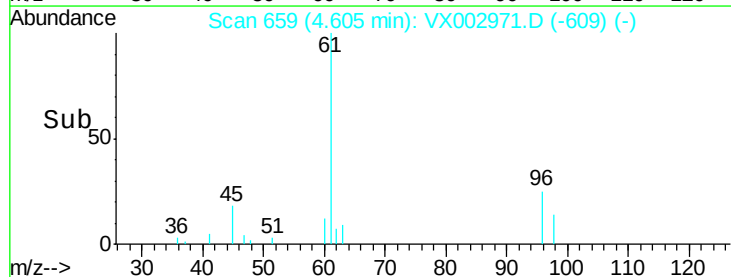
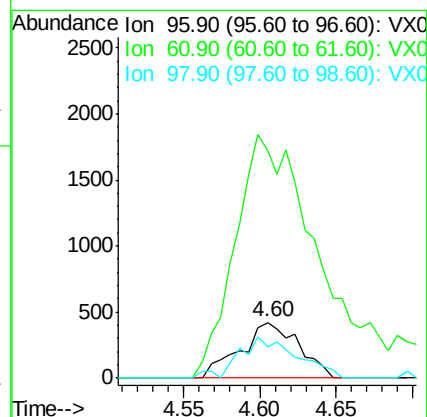
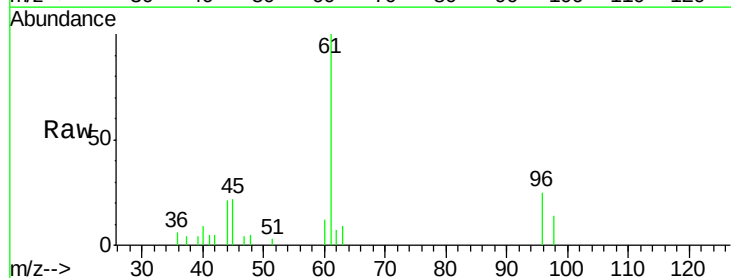
Tgt Ion: 96 Resp: 1114

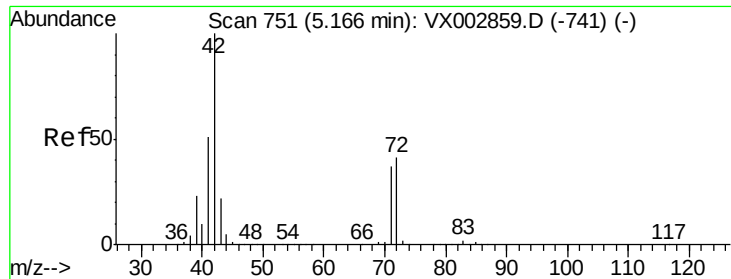
Ion Ratio Lower Upper

96 100

61 616.2 0.0 330.2#

98 73.4 0.0 130.2

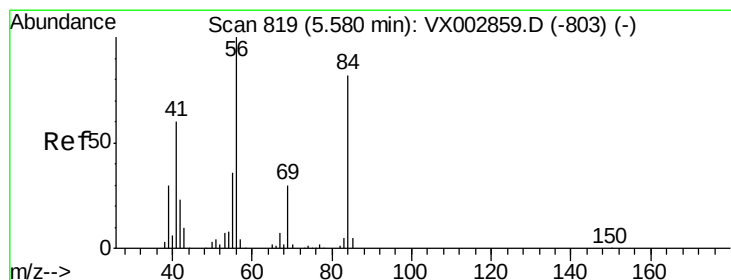
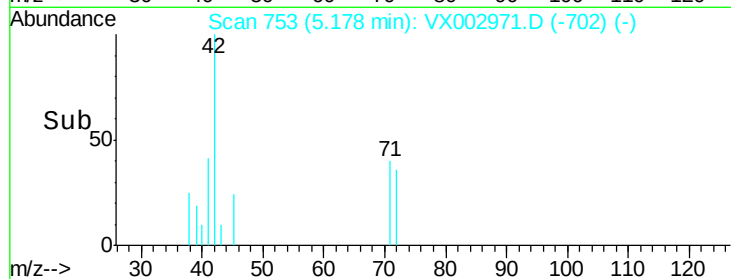
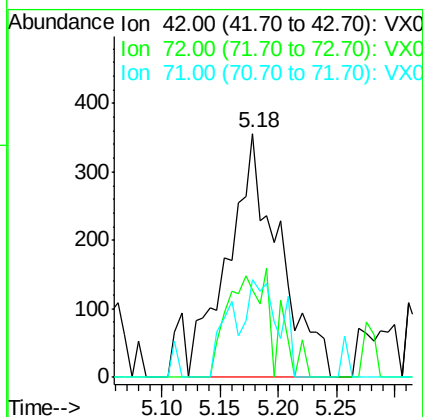
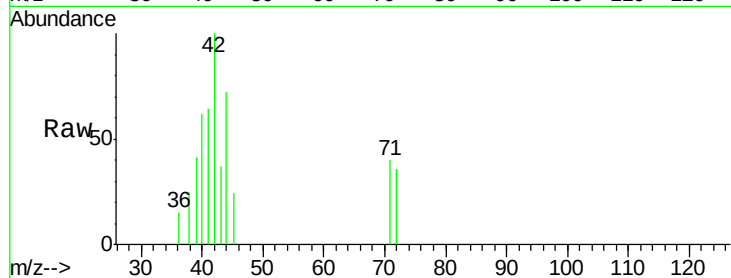




#29
Tetrahydrofuran
Concen: 0.73 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX002971.D
Acq: 28 Jun 2018 07:31

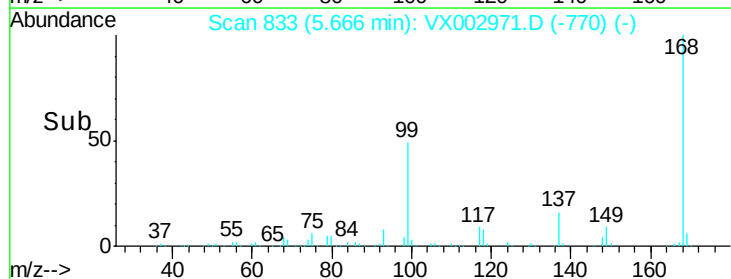
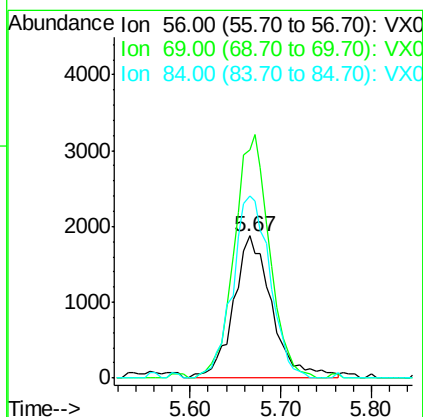
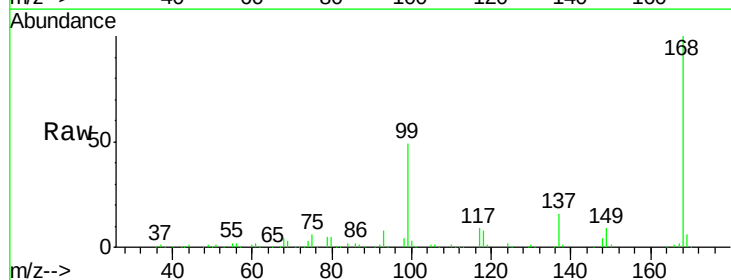
Instrument :
MSVOA_X
ClientSampleId :
W-11

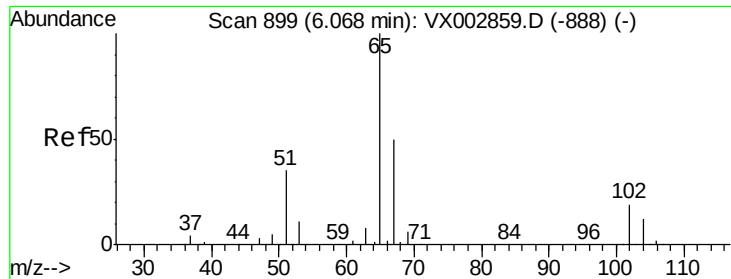
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	32.0	48.0
71	25.0	30.1	45.1#



#31
Cyclohexane
Concen: 1.17 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002971.D
Acq: 28 Jun 2018 07:31

Tgt Ion	Ratio	Lower	Upper
56	100		
69	160.6	23.7	35.5#
84	128.1	64.1	96.1#

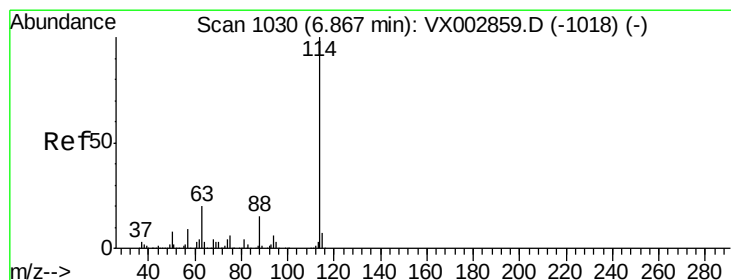
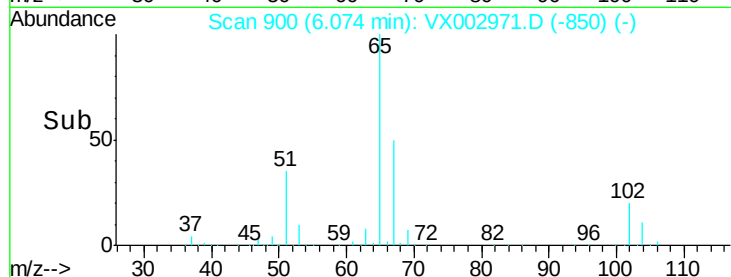
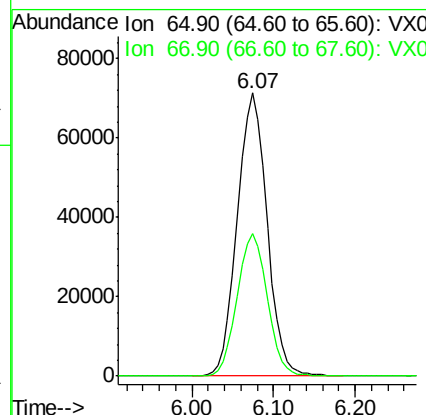
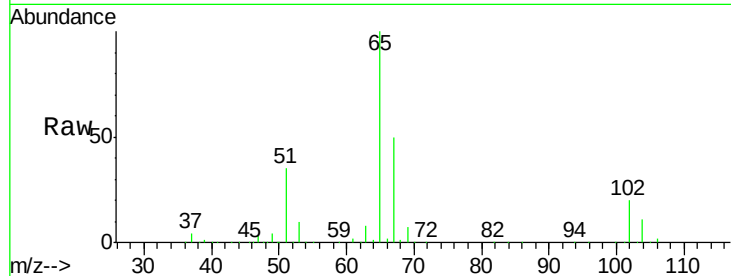




#33
 1,2-Dichloroethane-d4
 Concen: 48.09 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002971.D
 Acq: 28 Jun 2018 07:31

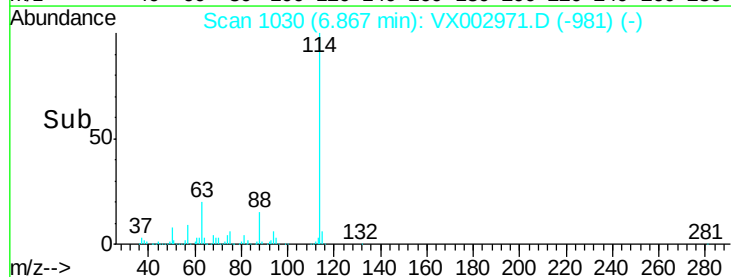
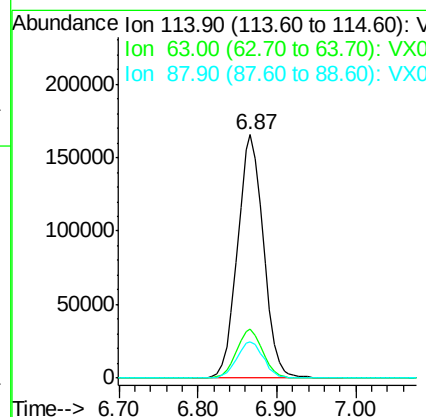
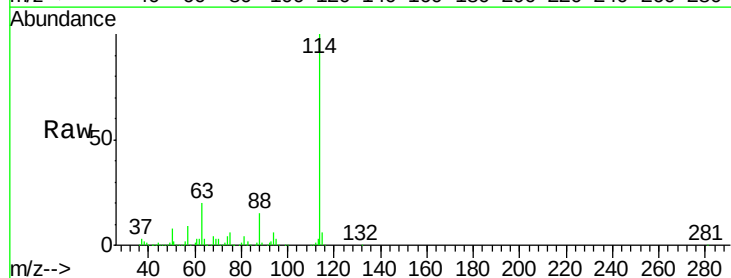
Instrument :
 MSVOA_X
 ClientSampleId :
 W-11

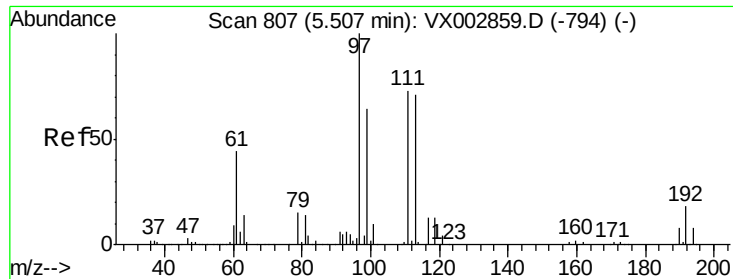
Tot Ion: 65 Resp: 180451
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002971.D
 Acq: 28 Jun 2018 07:31

Tgt Ion: 114 Resp: 378803
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 14.9 0.0 30.0

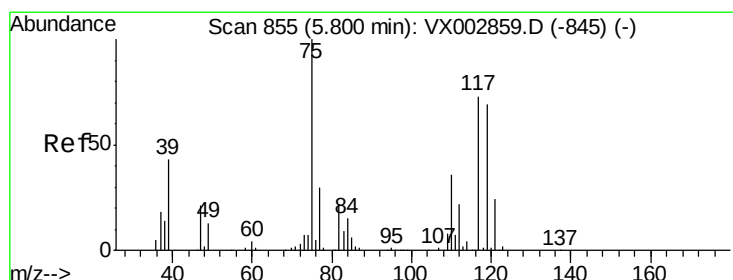
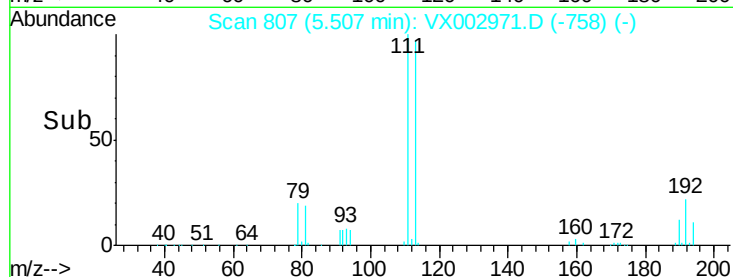
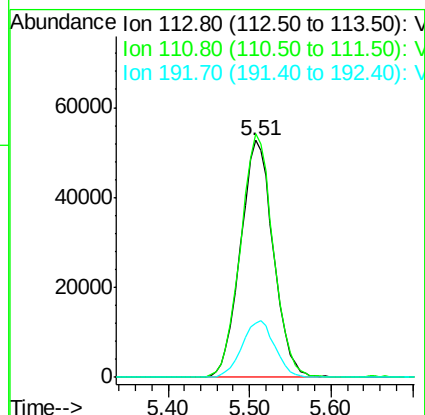
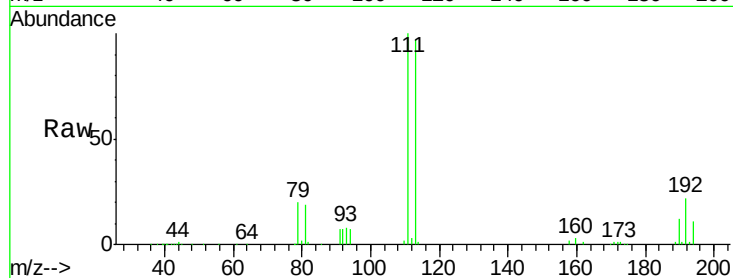




#35
 Dibromofluoromethane
 Concen: 49.14 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002971.D
 Acq: 28 Jun 2018 07:31

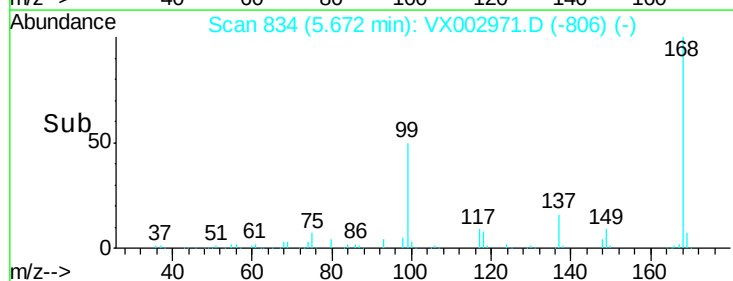
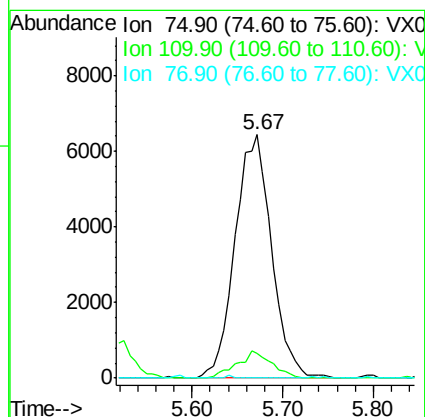
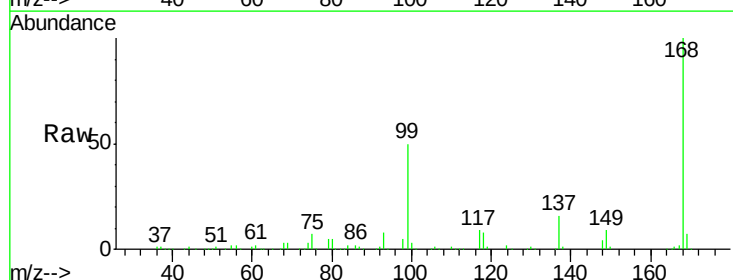
Instrument :
 MSVOA_X
 ClientSampleId :
 W-11

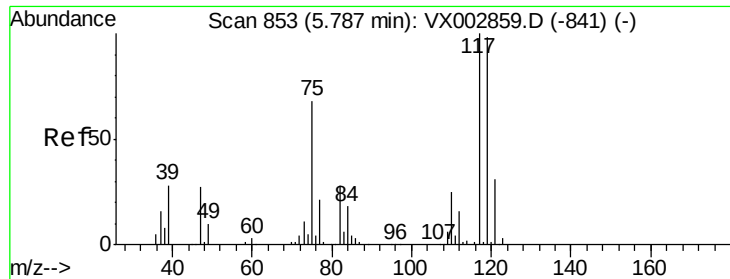
Tot Ion:113 Resp: 147394
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.4 122.0
 192 24.1 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.32 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002971.D
 Acq: 28 Jun 2018 07:31

Tgt Ion: 75 Resp: 17947
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.1 54.4#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.47 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002971.D

Acq: 28 Jun 2018 07:31

Instrument :

MSVOA_X

ClientSampleId :

W-11

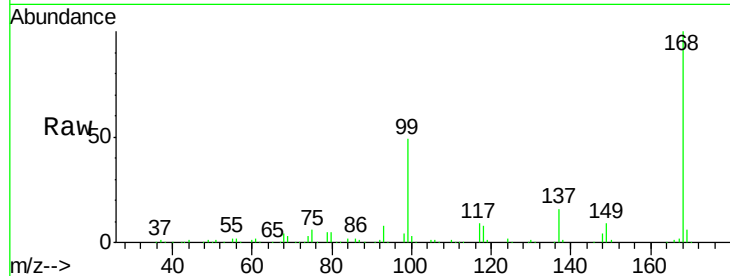
Tot Ion:117 Resp: 24943

Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.0#

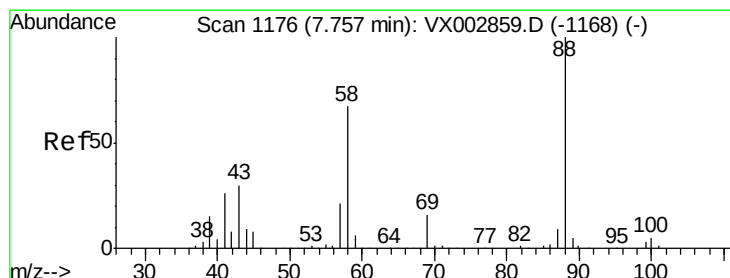
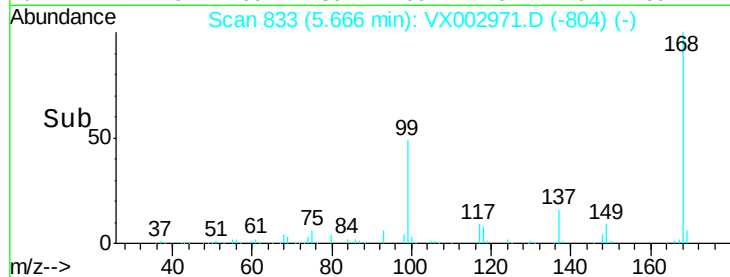
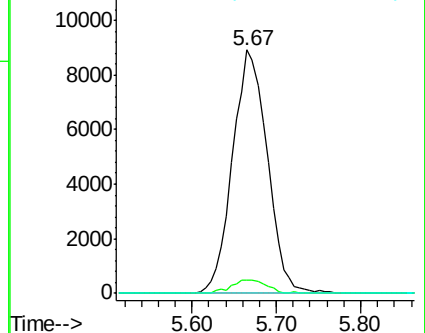
121 0.0 24.4 36.6#



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: 0.27 ug/l

RT: 7.74 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX002971.D

Acq: 28 Jun 2018 07:31

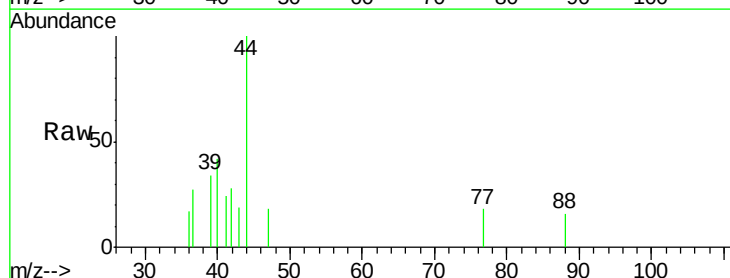
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 680.0 29.8 44.6#

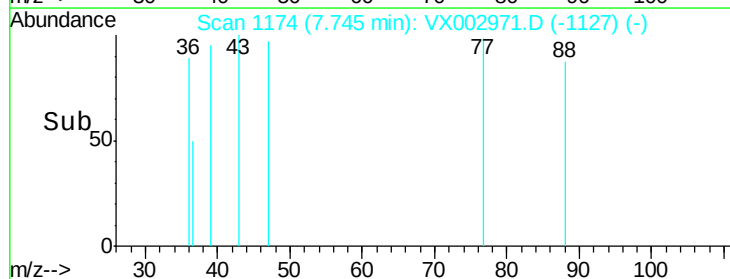
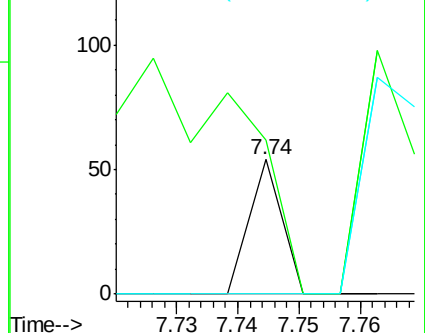
58 0.0 57.1 85.7#

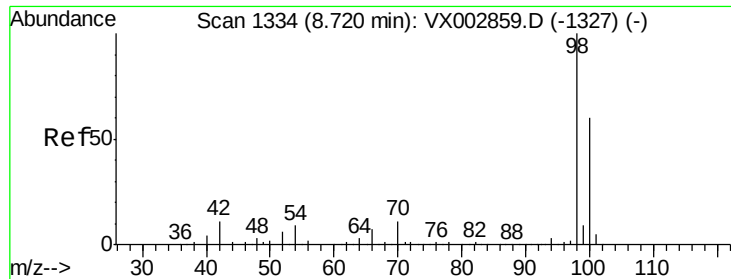


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.29 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002971.D

Acq: 28 Jun 2018 07:31

Instrument :

MSVOA_X

ClientSampleId :

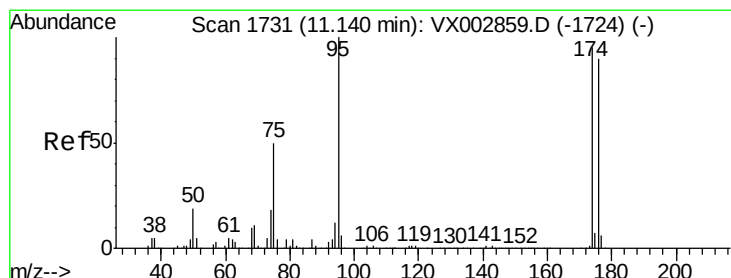
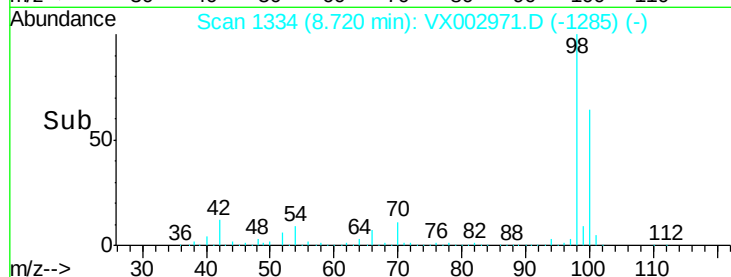
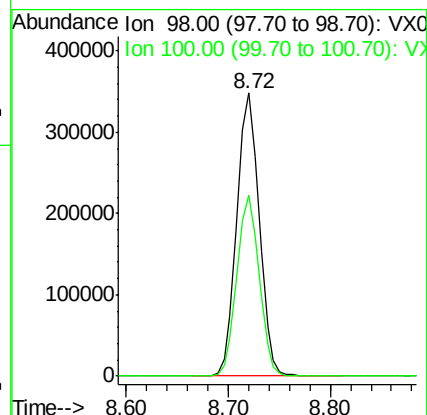
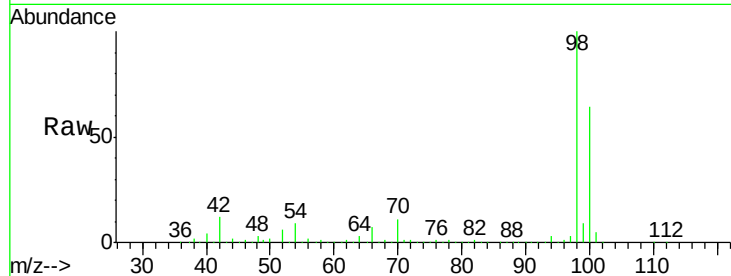
W-11

Tot Ion: 98 Resp: 528999

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 44.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002971.D

Acq: 28 Jun 2018 07:31

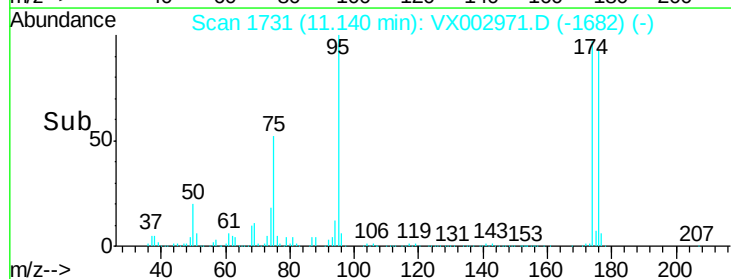
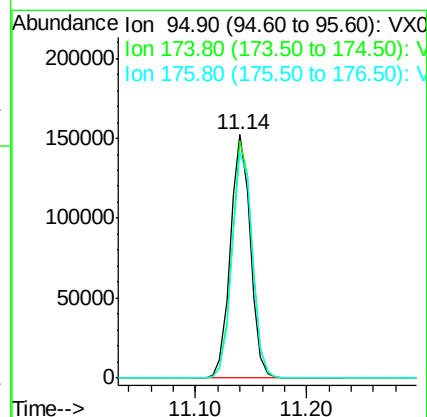
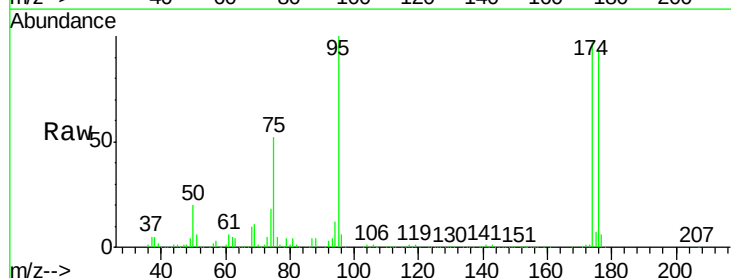
Tgt Ion: 95 Resp: 188571

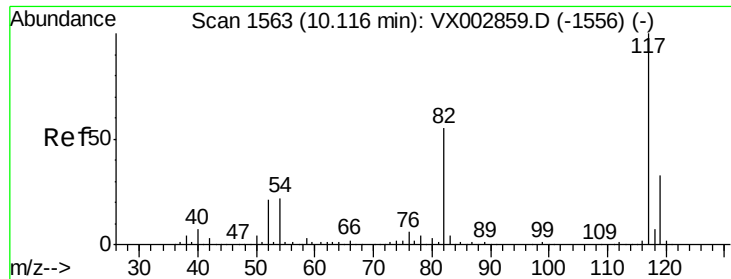
Ion Ratio Lower Upper

95 100

174 97.8 0.0 187.4

176 94.3 0.0 181.0

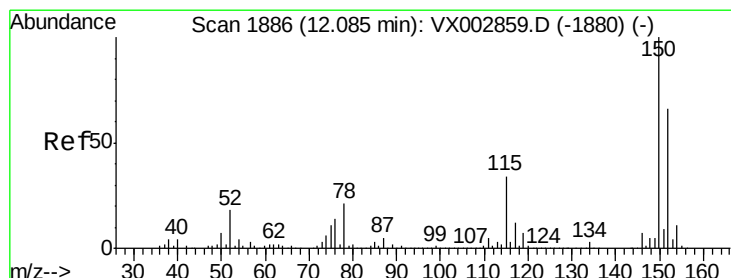
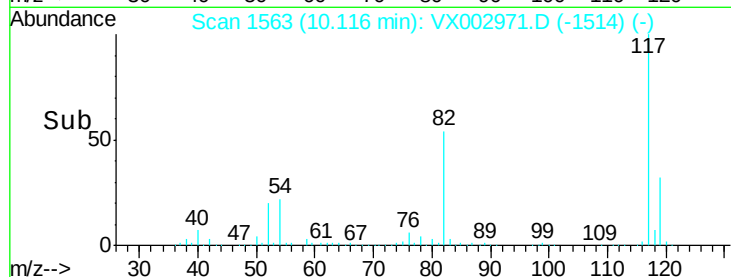
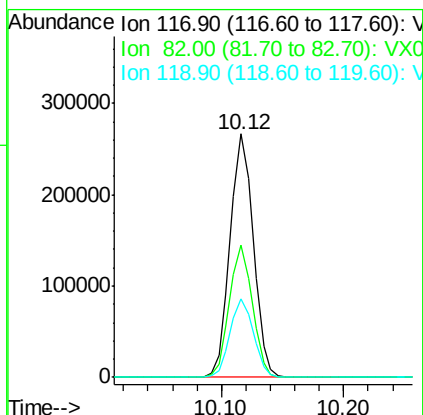
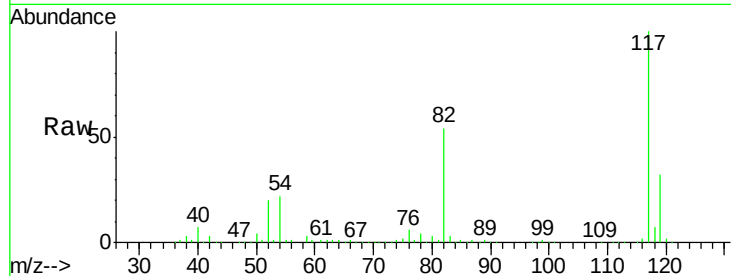




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002971.D
Acq: 28 Jun 2018 07:31

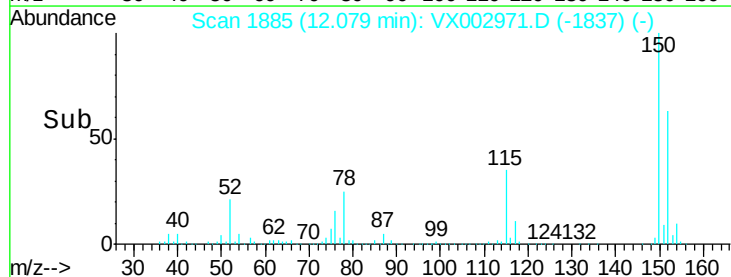
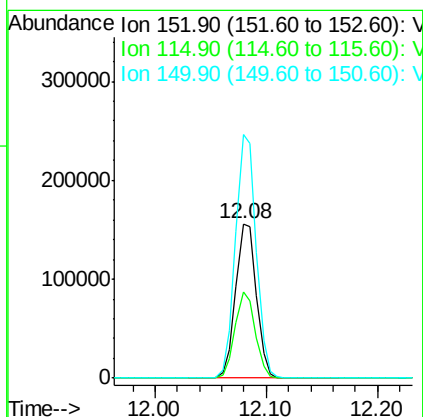
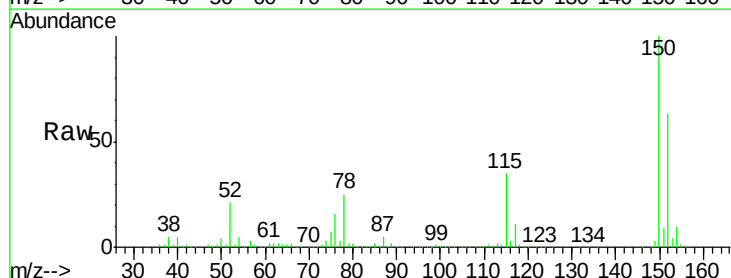
Instrument :
MSVOA_X
ClientSampleId :
W-11

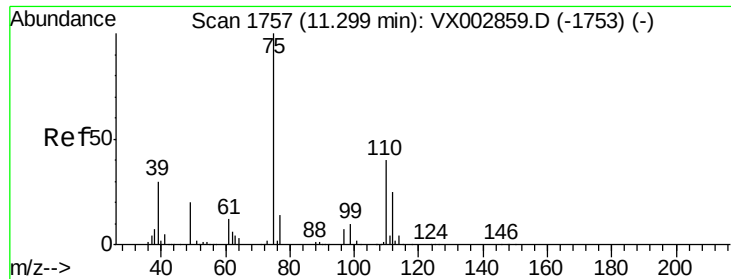
Tot Ion:117 Resp: 350342
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002971.D
Acq: 28 Jun 2018 07:31

Tgt Ion:152 Resp: 201319
Ion Ratio Lower Upper
152 100
115 54.4 40.1 120.2
150 157.0 0.0 347.2

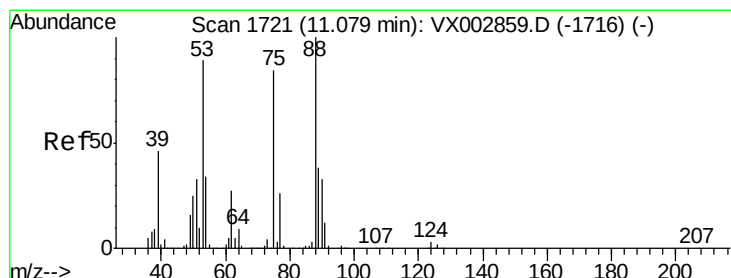
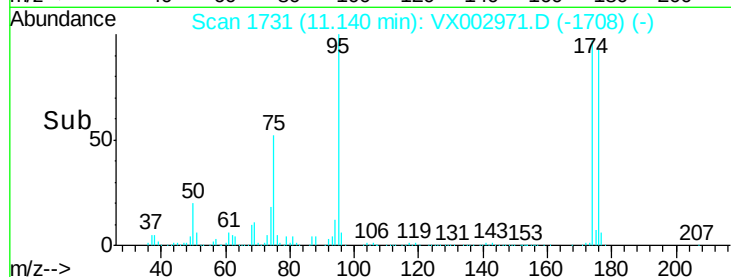
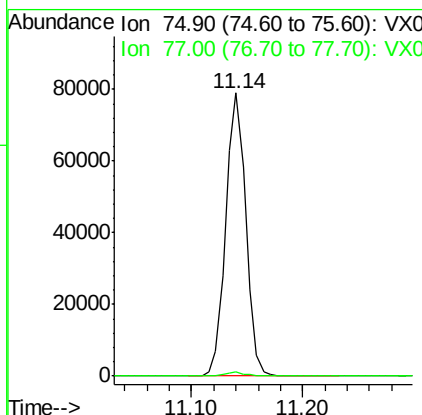
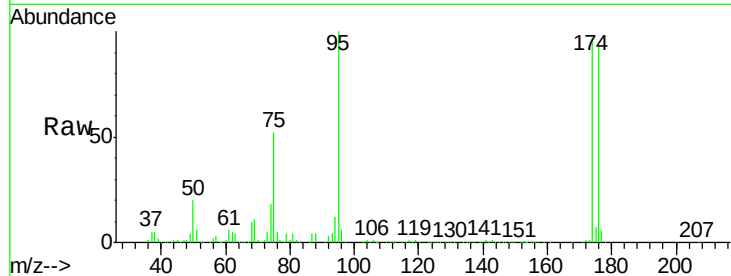




#76
 1,2,3-Trichloropropane
 Concen: 26.99 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002971.D
 Acq: 28 Jun 2018 07:31

Instrument :
 MSVOA_X
 ClientSampled :
 W-11

Tot Ion: 75 Resp: 98438
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.42 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002971.D
 Acq: 28 Jun 2018 07:31

Tgt Ion: 75 Resp: 98438
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

