

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
 Data File : VX003603.D
 Acq On : 23 Jul 2018 14:43
 Operator : JC/SP
 Sample : J4066-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FADW4704L

Quant Time: Jul 24 01:41:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	244023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	363601	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	343647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	189483	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	155153	53.71	ug/l	0.00
Spiked Amount			Recovery	=	107.42%	
35) Dibromofluoromethane	5.51	113	140422	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
50) Toluene-d8	8.72	98	517561	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	11.14	95	176720	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	

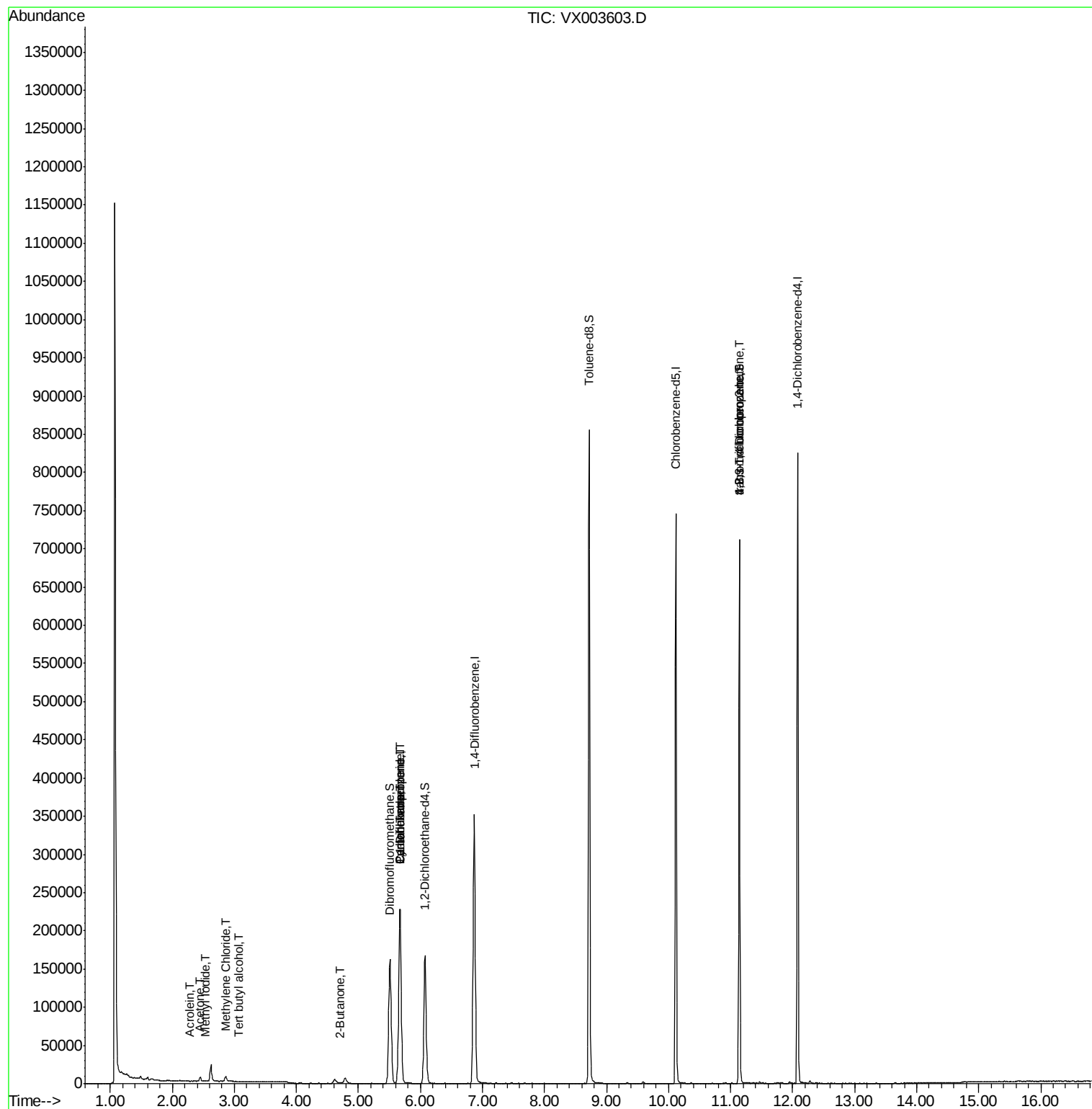
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	502	Below Cal	#	88
5) Bromomethane	1.66	94	1162	Below Cal		92
10) Methyl Iodide	2.54	142	771	0.237	ug/l #	39
11) Tert butyl alcohol	3.07	59	300	0.525	ug/l	96
13) Acrolein	2.29	56	173	0.670	ug/l	89
16) Acetone	2.45	43	6302	5.776	ug/l #	73
20) Methylene Chloride	2.86	84	3187	0.334	ug/l #	85
25) 2-Butanone	4.71	43	1021	0.558	ug/l #	52
31) Cyclohexane	5.67	56	4095	0.941	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15726	4.006	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20960	5.443	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	81500	23.942	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	81500	67.147	ug/l #	6

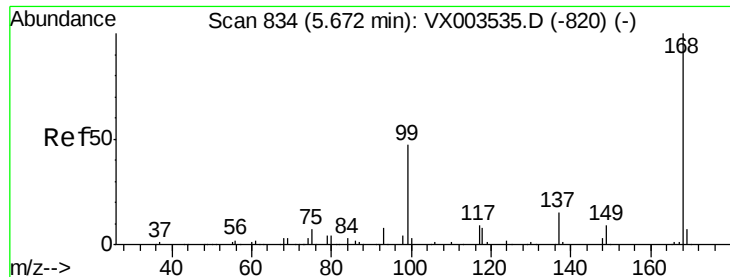
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003603.D

Acq: 23 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

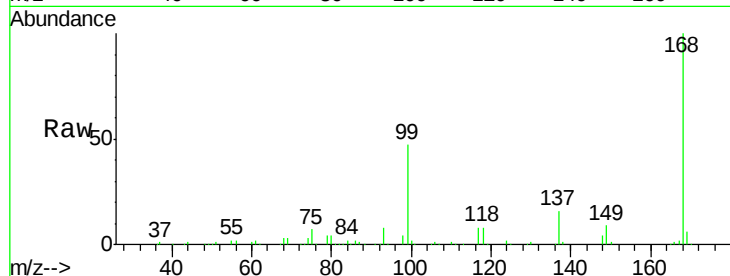
FADW4704L

Tgt Ion:168 Resp: 244023

Ion Ratio Lower Upper

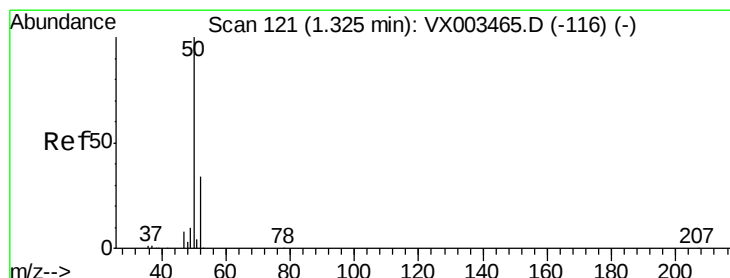
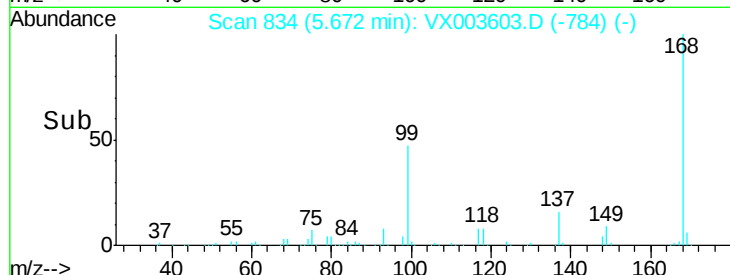
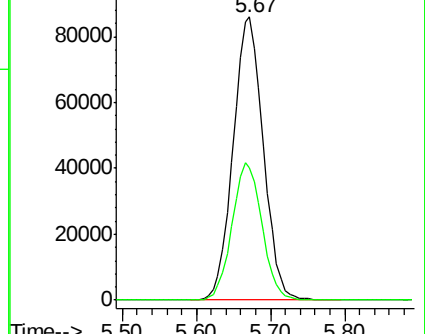
168 100

99 46.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003603.D

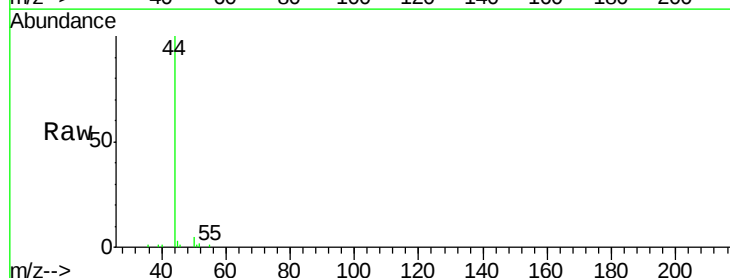
Acq: 23 Jul 2018 14:43

Tgt Ion: 50 Resp: 502

Ion Ratio Lower Upper

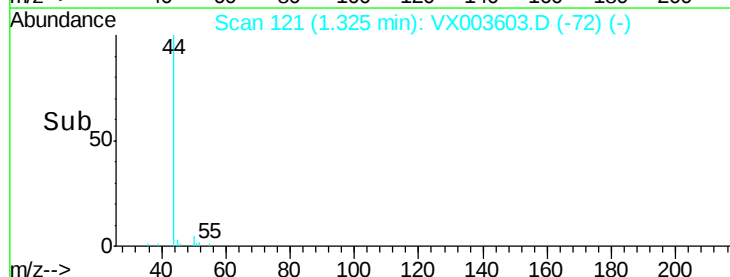
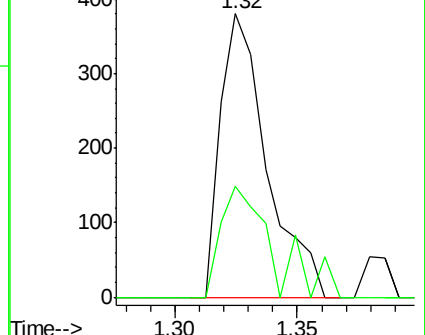
50 100

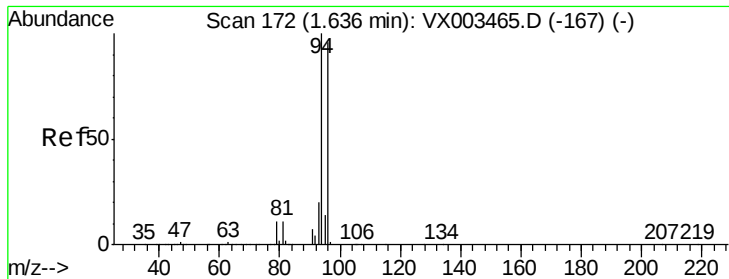
52 38.9 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX003603.D

Acq: 23 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampled :

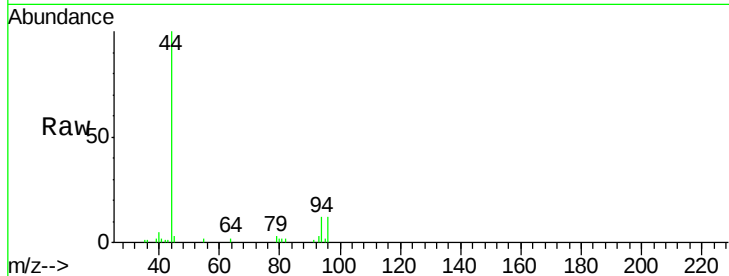
FADW4704L

Tgt Ion: 94 Resp: 1162

Ion Ratio Lower Upper

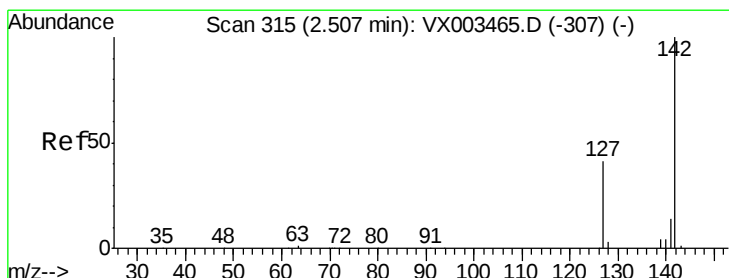
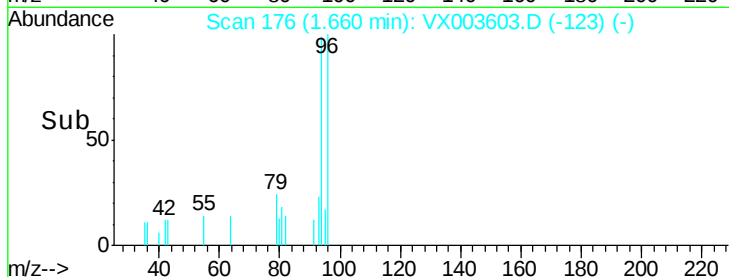
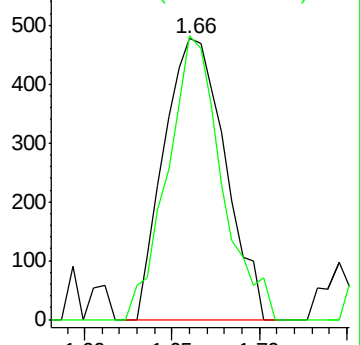
94 100

96 101.0 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.237 ug/l

RT: 2.54 min Scan# 320

Delta R.T. 0.03 min

Lab File: VX003603.D

Acq: 23 Jul 2018 14:43

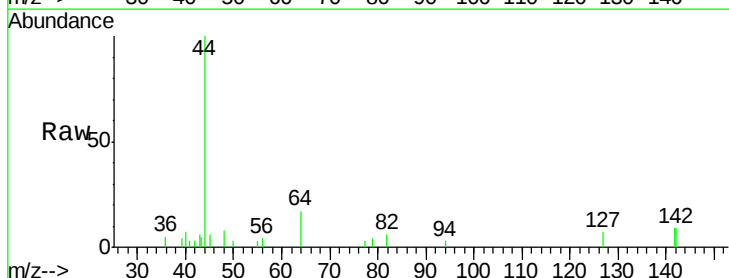
Tgt Ion: 142 Resp: 771

Ion Ratio Lower Upper

142 100

127 0.0 36.6 55.0#

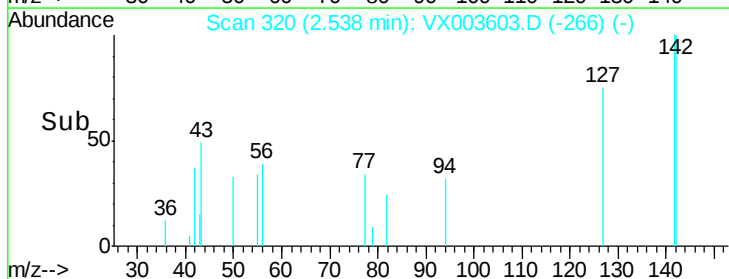
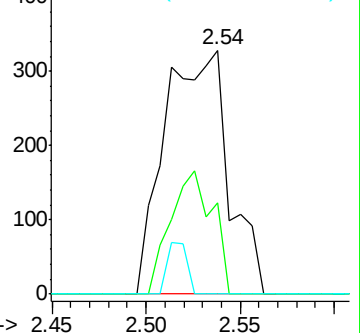
141 0.0 11.3 16.9#

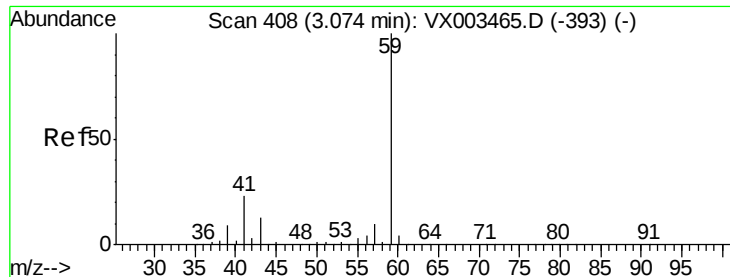


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

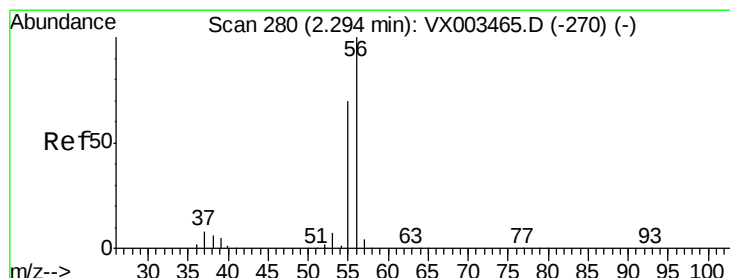
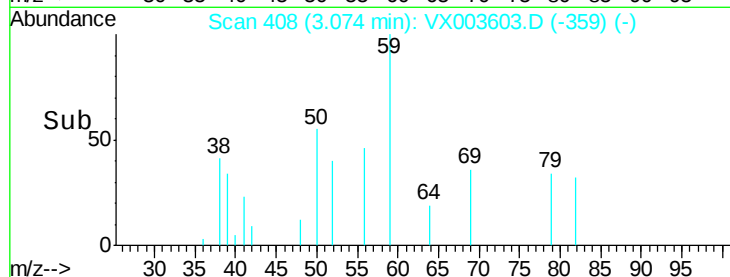
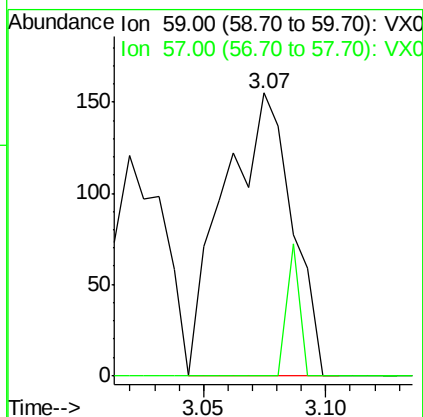
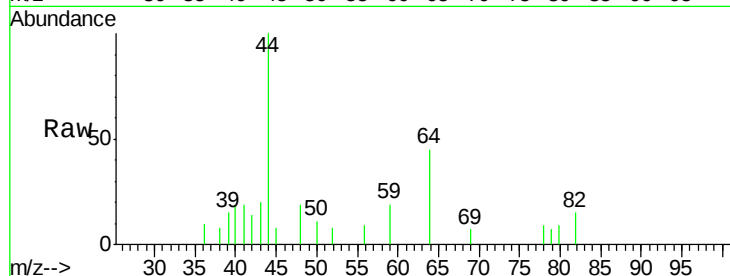




#11
Tert butyl alcohol
Concen: 0.525 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX003603.D
Acq: 23 Jul 2018 14:43

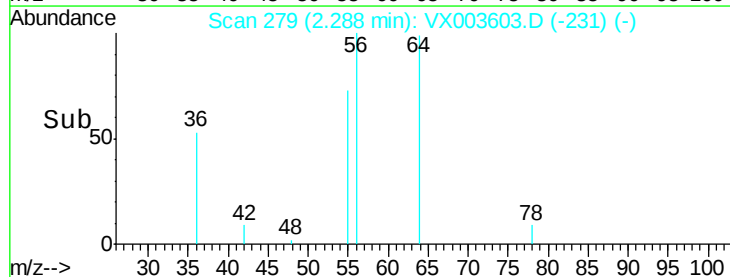
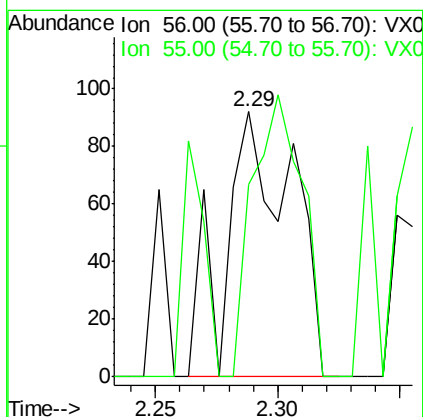
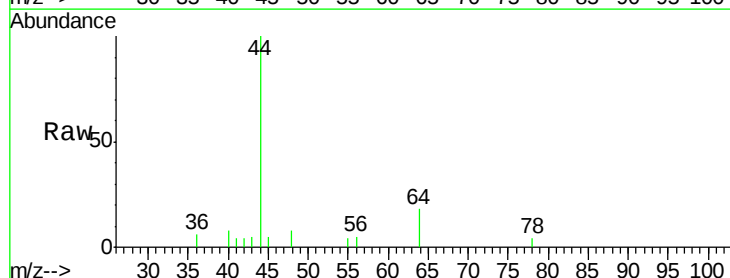
Instrument :
MSVOA_X
ClientSampleId :
FADW4704L

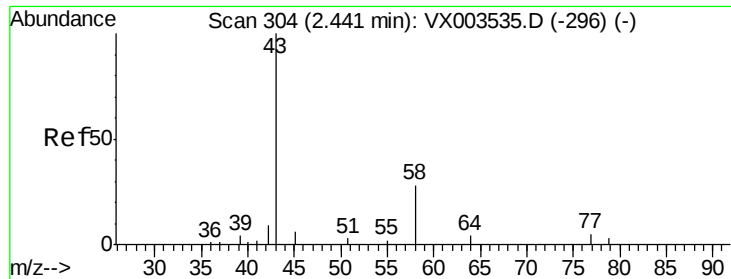
Tgt Ion: 59 Resp: 300
Ion Ratio Lower Upper
59 100
57 8.7 8.2 12.2



#13
Acrolein
Concen: 0.670 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX003603.D
Acq: 23 Jul 2018 14:43

Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 80.3 57.0 85.4





#16

Acetone

Concen: 5.776 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003603.D

Acq: 23 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

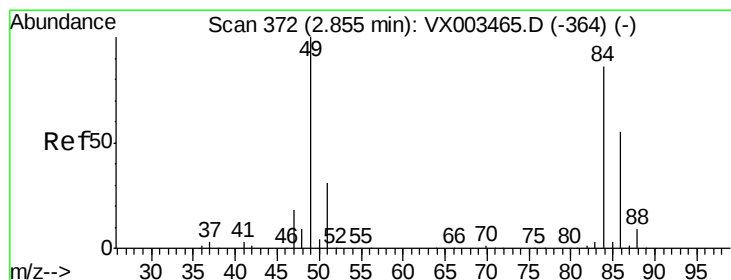
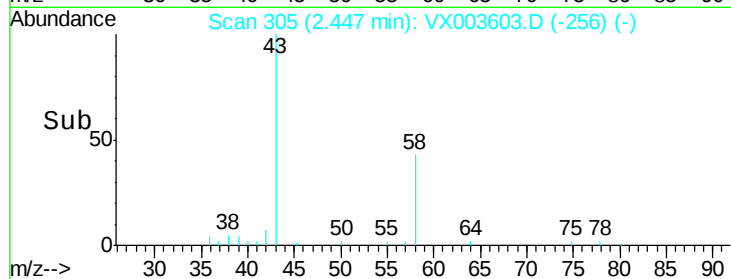
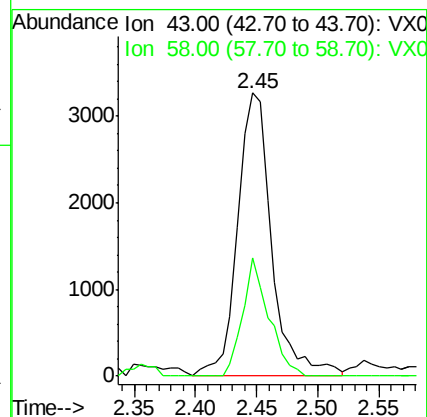
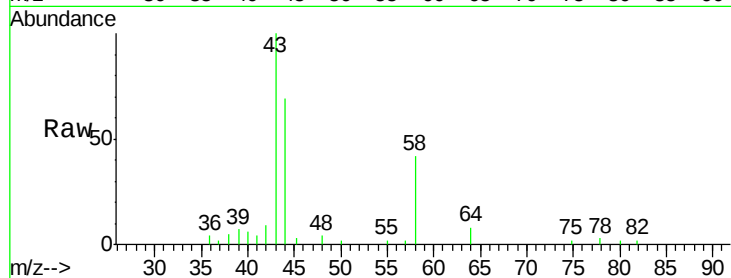
FADW4704L

Tgt Ion: 43 Resp: 6302

Ion Ratio Lower Upper

43 100

58 42.0 22.1 33.1#



#20

Methylene Chloride

Concen: 0.334 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003603.D

Acq: 23 Jul 2018 14:43

Tgt Ion: 84 Resp: 3187

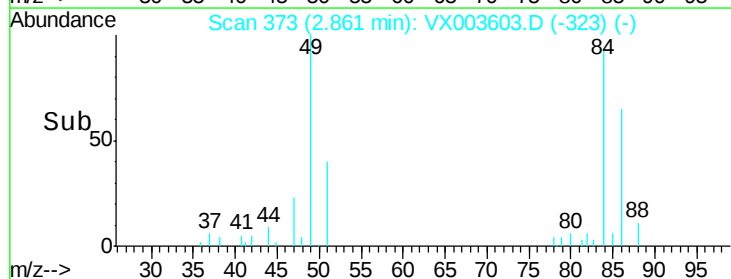
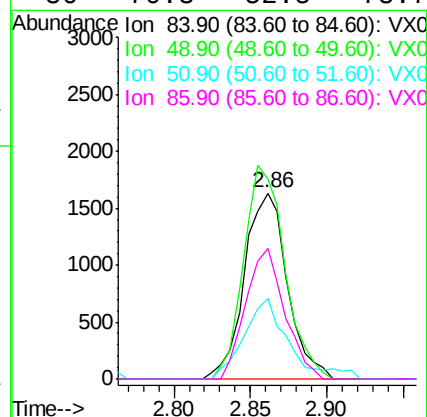
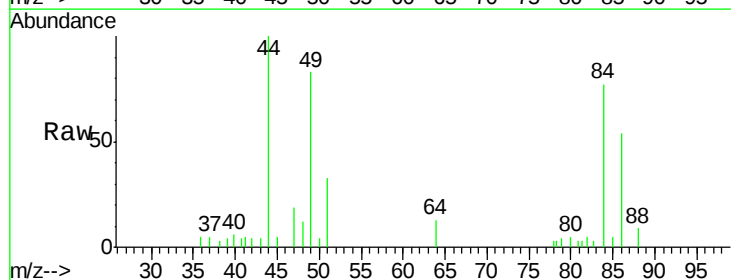
Ion Ratio Lower Upper

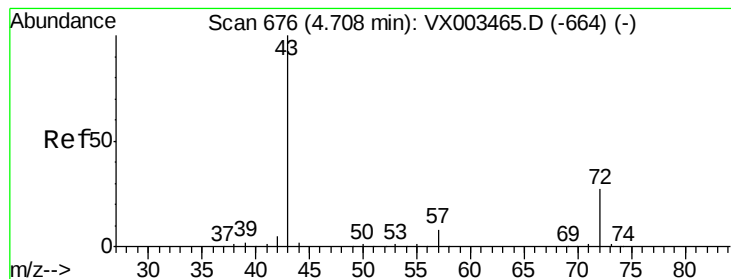
84 100

49 107.7 107.8 161.6#

51 43.5 32.8 49.2

86 70.3 52.5 78.7





#25

2-Butanone

Concen: 0.558 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003603.D

Acq: 23 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampled :

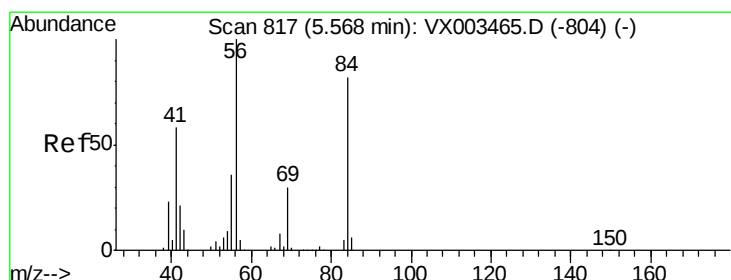
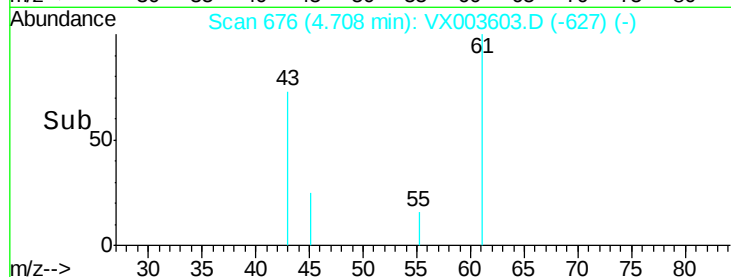
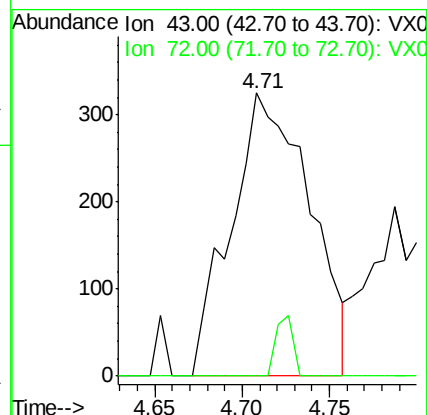
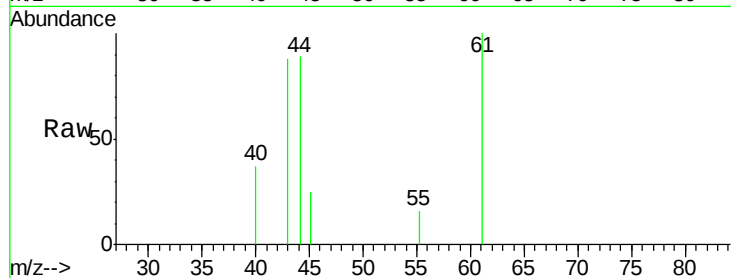
FADW4704L

Tgt Ion: 43 Resp: 1021

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



#31

Cyclohexane

Concen: 0.941 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.10 min

Lab File: VX003603.D

Acq: 23 Jul 2018 14:43

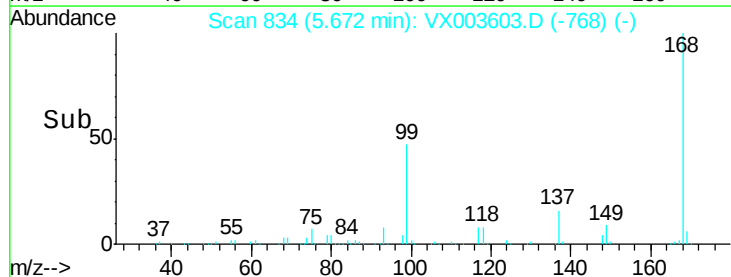
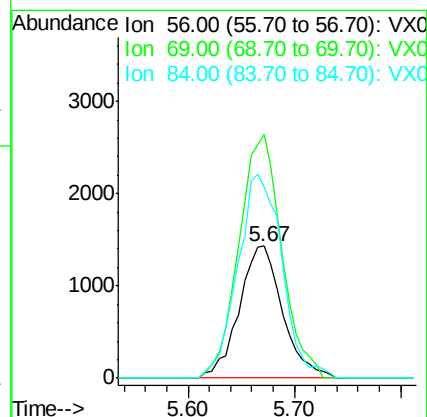
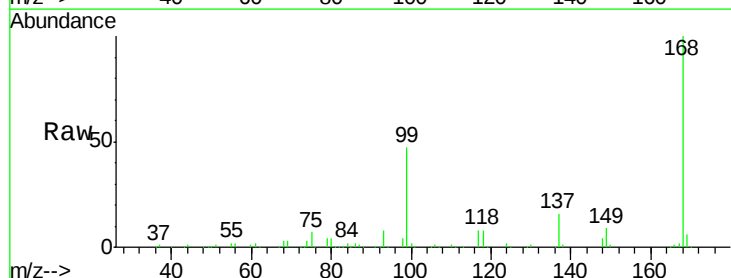
Tgt Ion: 56 Resp: 4095

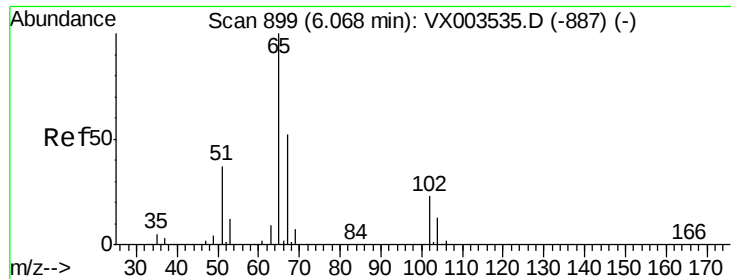
Ion Ratio Lower Upper

56 100

69 184.8 23.7 35.5#

84 150.4 64.1 96.1#





#33

1,2-Dichloroethane-d4

Concen: 53.713 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003603.D

Acq: 23 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

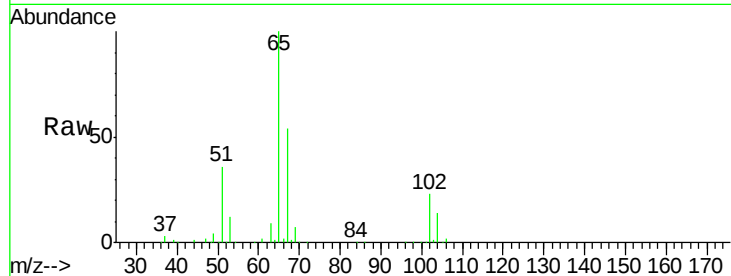
FADW4704L

Tgt Ion: 65 Resp: 155153

Ion Ratio Lower Upper

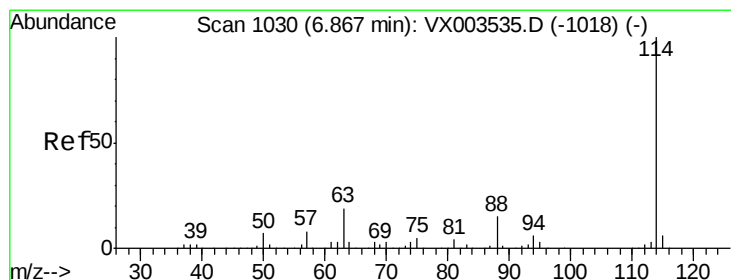
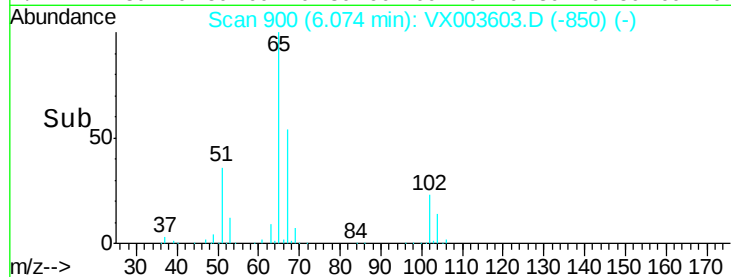
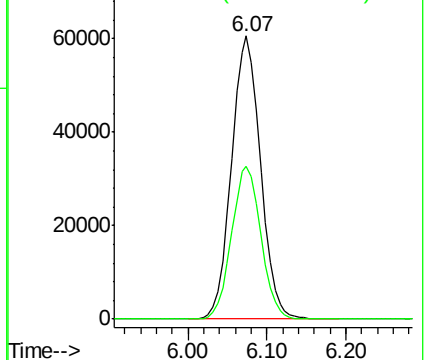
65 100

67 54.5 0.0 102.6



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: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003603.D

Acq: 23 Jul 2018 14:43

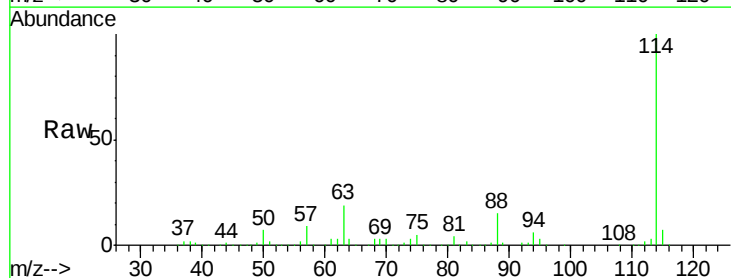
Tgt Ion: 114 Resp: 363601

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

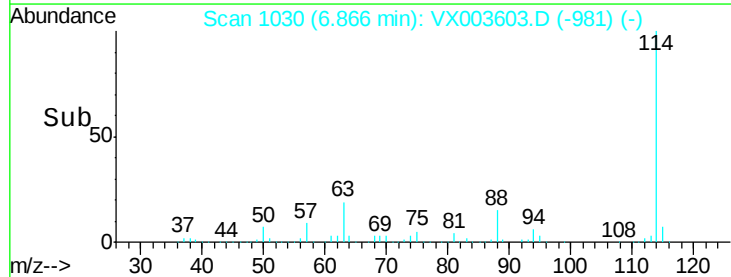
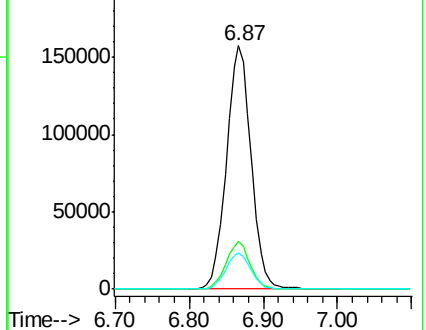
88 15.1 0.0 30.0

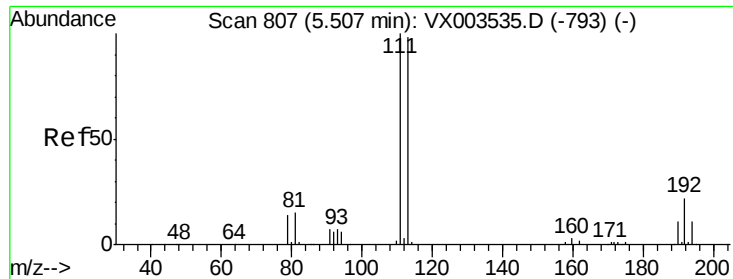


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.704 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003603.D

Acq: 23 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

FADW4704L

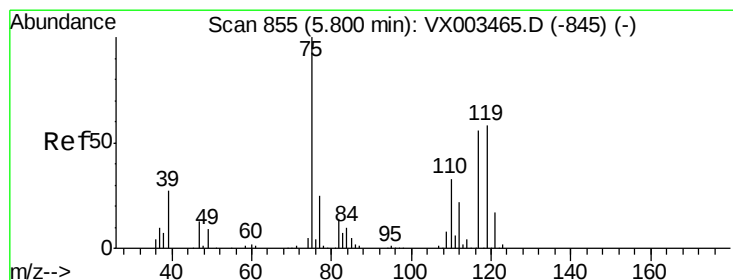
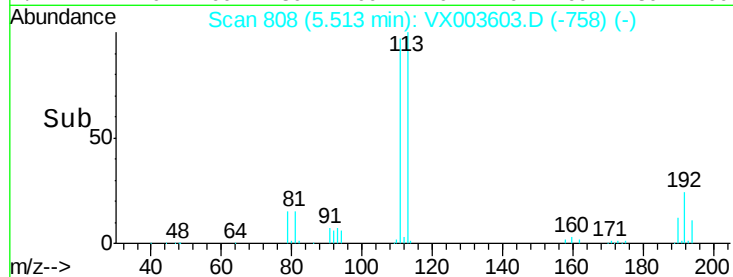
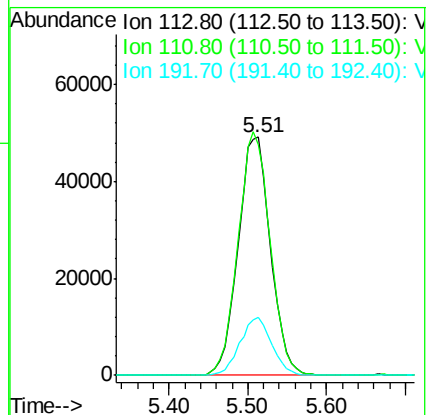
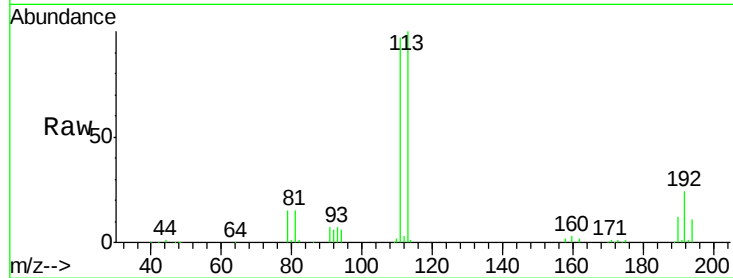
Tgt Ion:113 Resp: 140422

Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.0

192 23.9 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.006 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003603.D

Acq: 23 Jul 2018 14:43

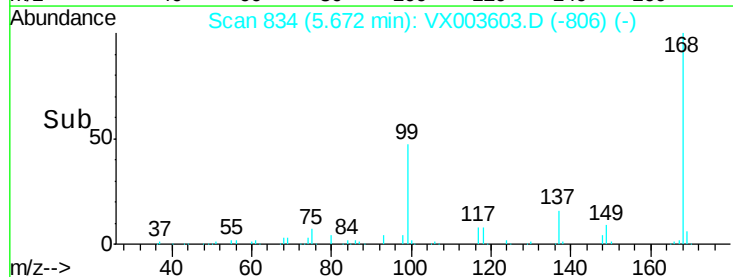
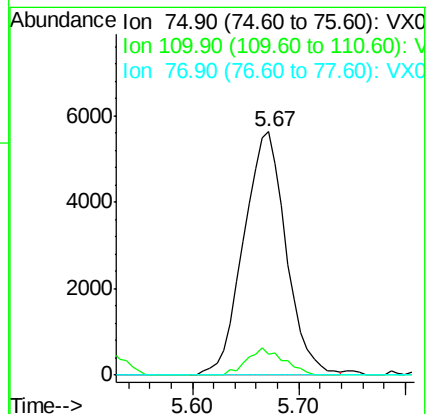
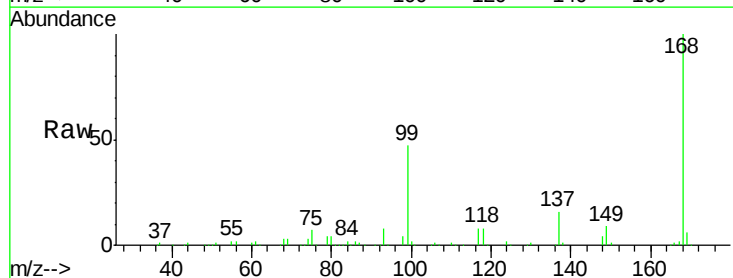
Tgt Ion: 75 Resp: 15726

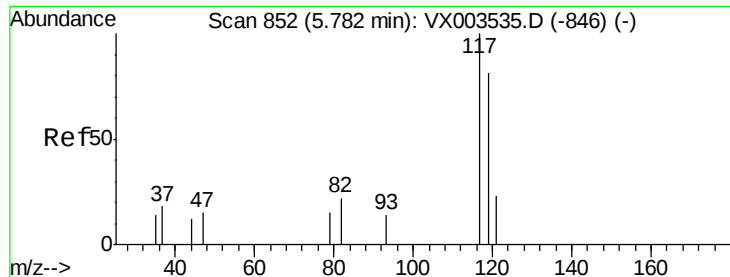
Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.4#

77 0.0 24.3 36.5#

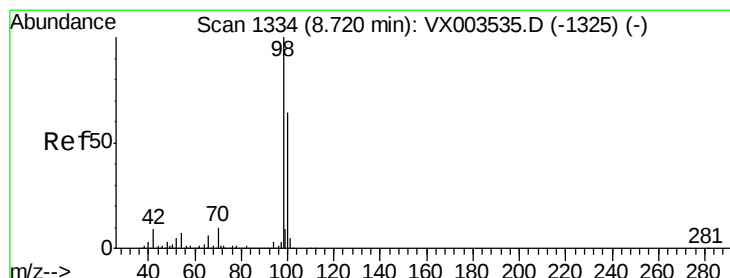
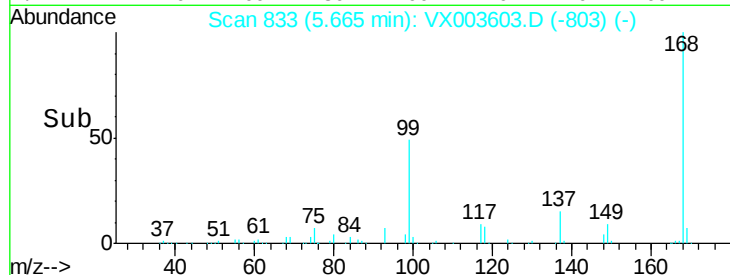
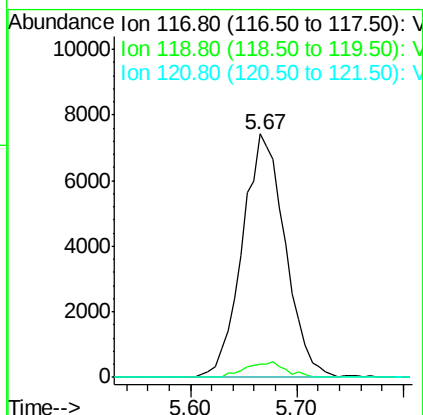
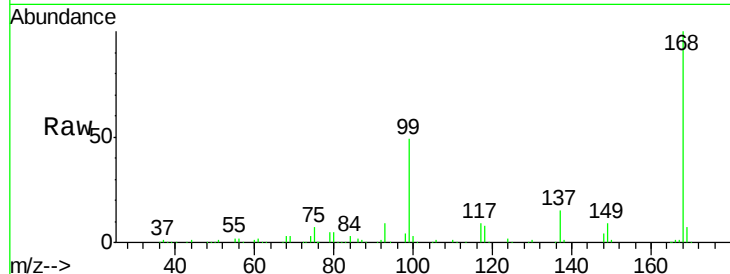




#38
Carbon Tetrachloride
Concen: 5.443 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003603.D
Acq: 23 Jul 2018 14:43

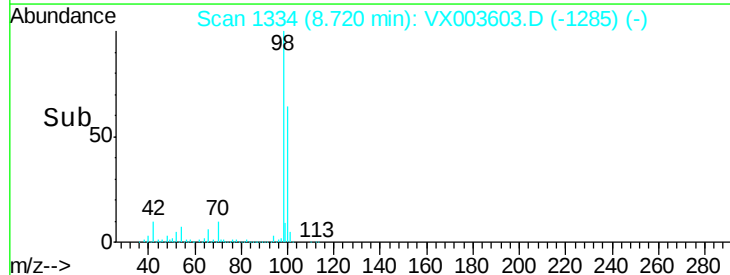
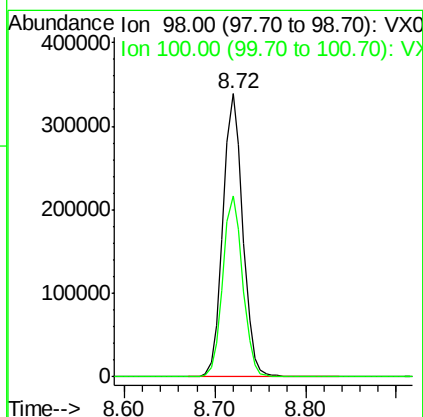
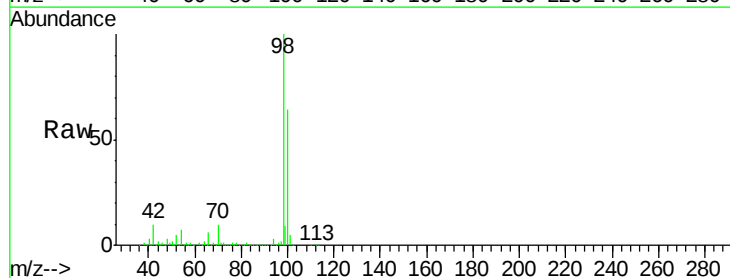
Instrument :
MSVOA_X
ClientSampleId :
FADW4704L

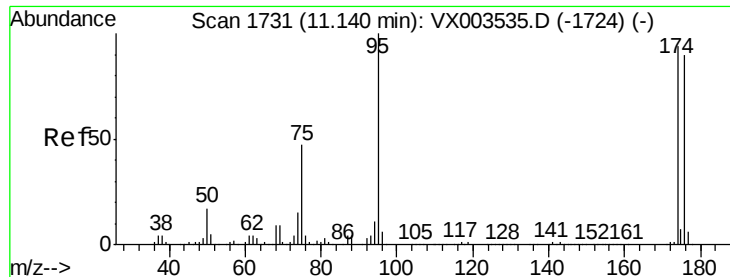
Tgt Ion: 117 Resp: 20960
Ion Ratio Lower Upper
117 100
119 5.2 77.4 116.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.721 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003603.D
Acq: 23 Jul 2018 14:43

Tgt Ion: 98 Resp: 517561
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 46.520 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003603.D

Acq: 23 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

FADW4704L

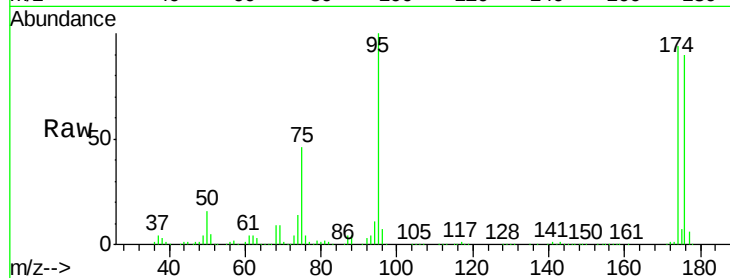
Tgt Ion: 95 Resp: 176720

Ion Ratio Lower Upper

95 100

174 97.8 0.0 187.4

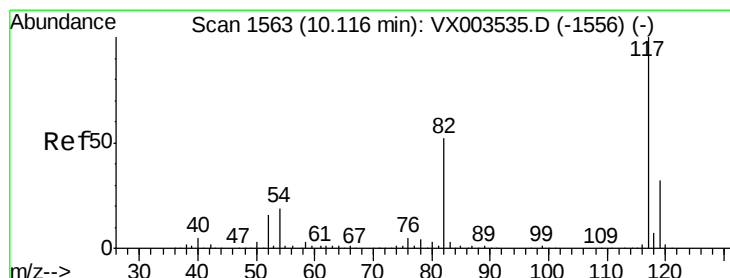
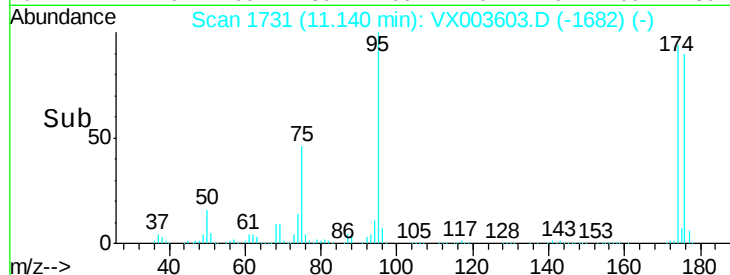
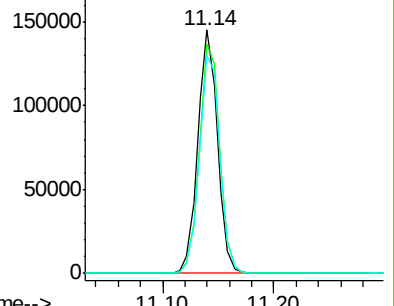
176 93.8 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX003603.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX003603.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX003603.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003603.D

Acq: 23 Jul 2018 14:43

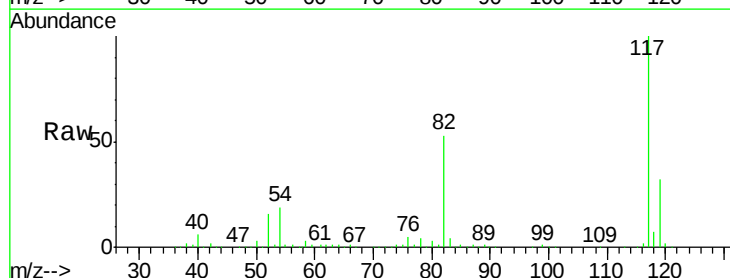
Tgt Ion: 117 Resp: 343647

Ion Ratio Lower Upper

117 100

82 53.1 45.0 67.4

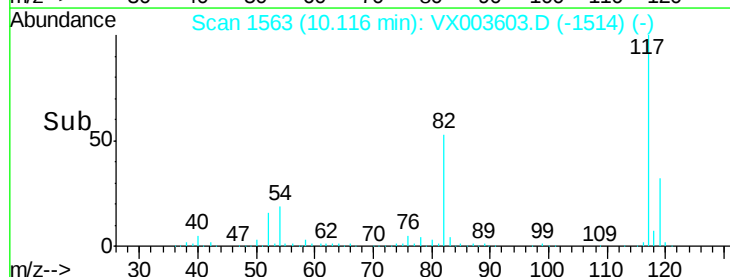
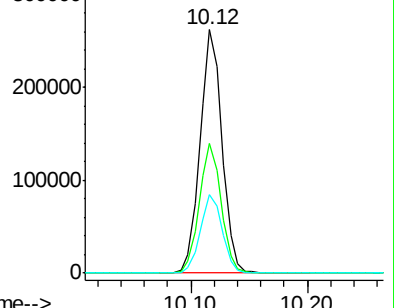
119 32.2 25.8 38.6

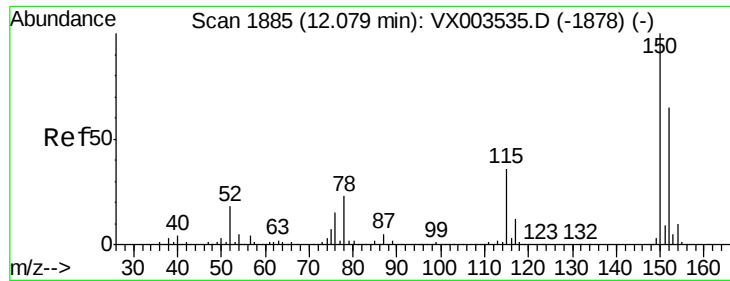


Abundance Ion 116.90 (116.60 to 117.60): VX003603.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX003603.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX003603.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VX003603.D

Acq: 23 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

FADW4704L

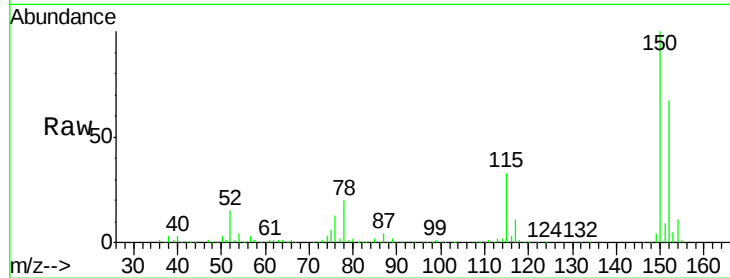
Tgt Ion:152 Resp: 189483

Ion Ratio Lower Upper

152 100

115 53.7 40.1 120.2

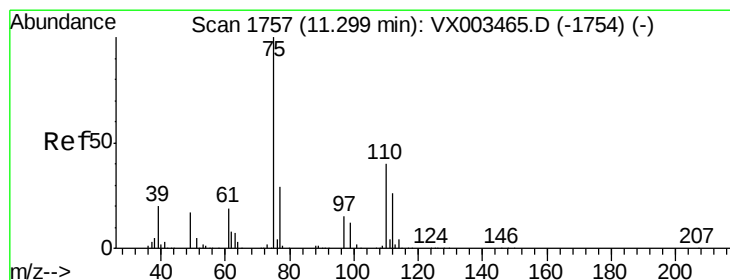
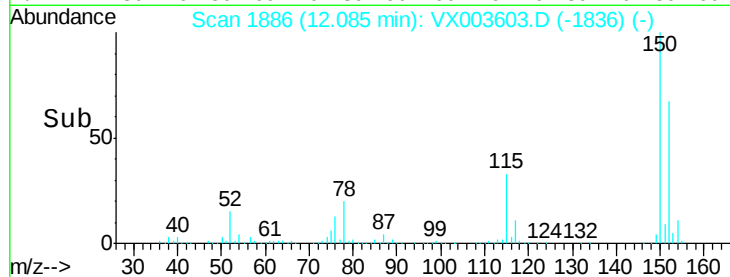
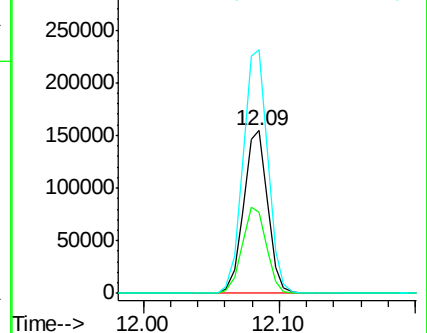
150 154.8 0.0 347.2



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: 23.942 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003603.D

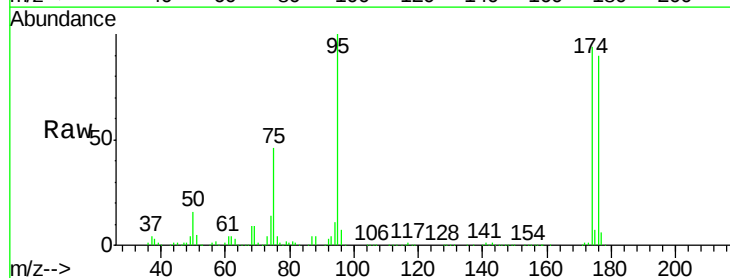
Acq: 23 Jul 2018 14:43

Tgt Ion: 75 Resp: 81500

Ion Ratio Lower Upper

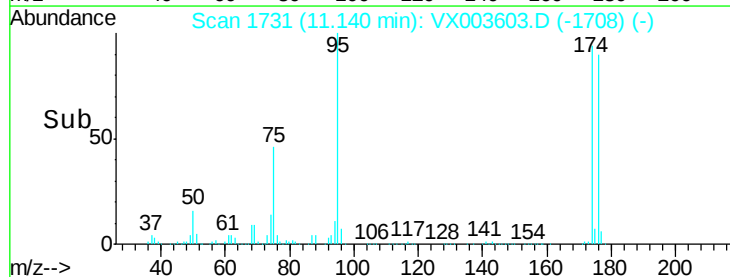
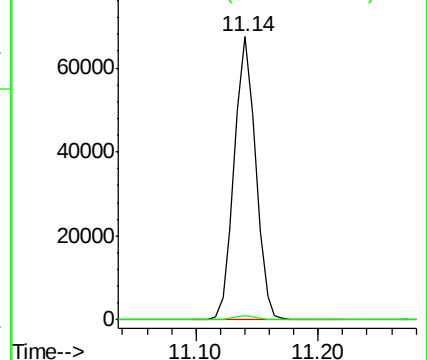
75 100

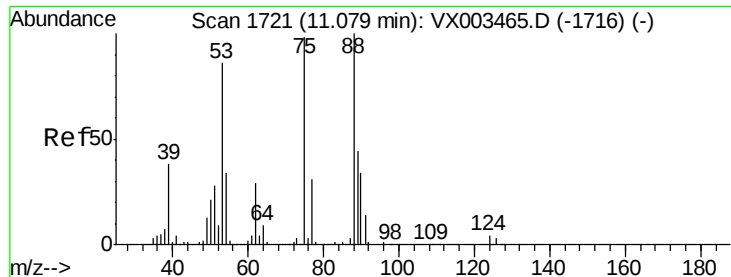
77 1.4 22.8 68.3#



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: 67.147 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003603.D

Acq: 23 Jul 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

FADW4704L

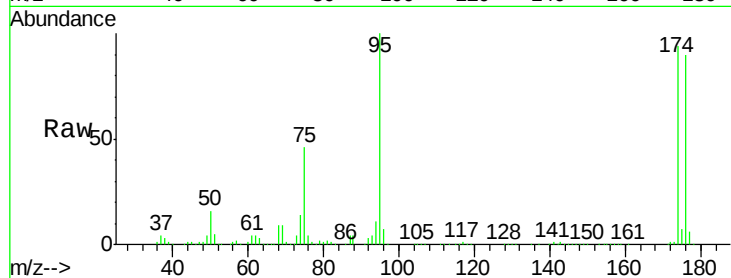
Tgt Ion: 75 Resp: 81500

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#



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

