

Data File : VX000901.D

Acq On : 15 Apr 2018 17:02

Operator : JC/MD

Sample : ZHE-17 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 14 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#17 5X

Quant Time: Apr 16 07:39:25 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M

Quant Title : SW846 8260

QLast Update : Tue Apr 10 15:49:28 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	275138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	378564	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	350219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	227184	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	165866	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	5.51	113	133164	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	
50) Toluene-d8	8.72	98	522962	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	11.14	95	203002	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	229	Below Cal		99
13) Acrolein	2.31	56	64	0.21 ug/l	#	46
16) Acetone	2.45	43	2326	1.94 ug/l		95
18) Methyl Acetate	2.78	43	3969	1.28 ug/l		100
20) Methylene Chloride	2.87	84	1044	0.38 ug/l	#	86
25) 2-Butanone	4.72	43	794	0.40 ug/l	#	72
29) Tetrahydrofuran	5.17	42	372	0.30 ug/l	#	47
31) Cyclohexane	5.67	56	4351	0.95 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	16758	4.02 ug/l	#	48
38) Carbon Tetrachloride	5.68	117	22977	4.92 ug/l	#	15
76) 1,2,3-Trichloropropane	11.14	75	98322	25.09 ug/l	#	36
81) trans-1,4-Dichloro-2-buten	11.14	75	98322	69.03 ug/l	#	11

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

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ClientSampleId :

PB108205ZHE#17 5X

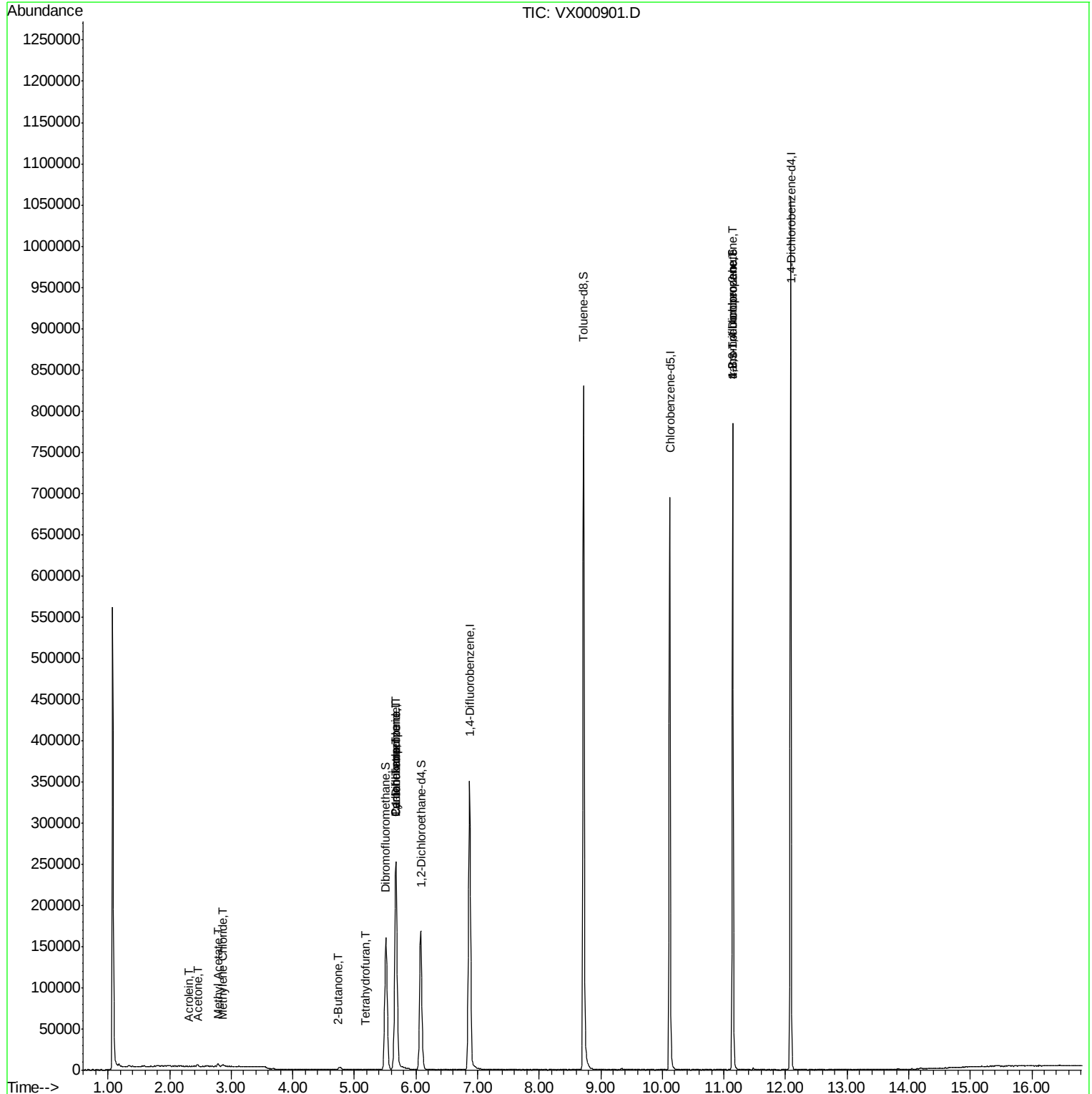
Quant Time: Apr 16 07:39:25 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M

Quant Title : SW846 8260

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000901.D

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Instrument :

MSVOA_X

ClientSampleId :

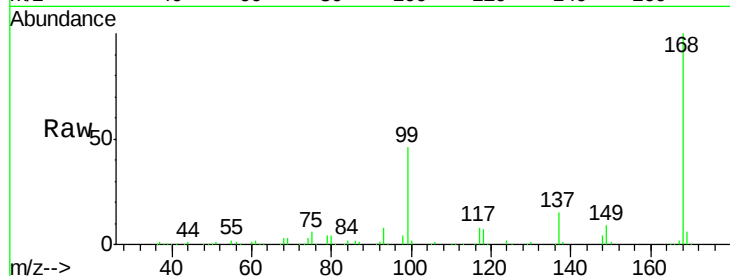
PB108205ZHE#17 5X

Tgt Ion:168 Resp: 275138

Ion Ratio Lower Upper

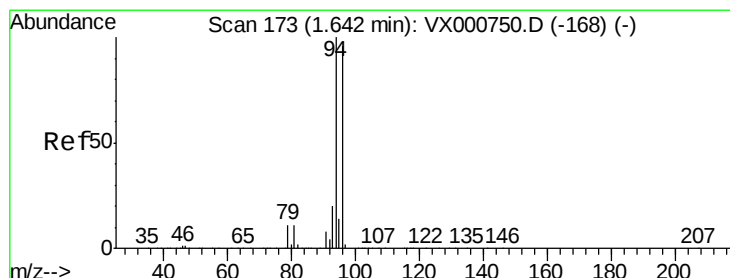
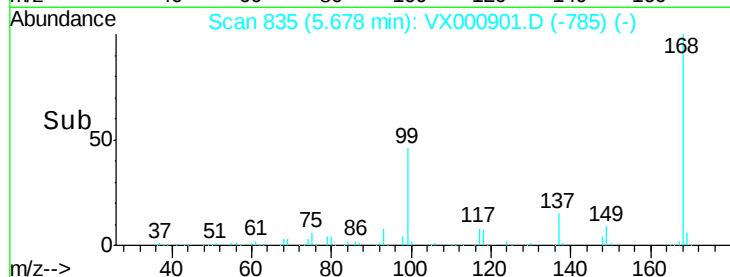
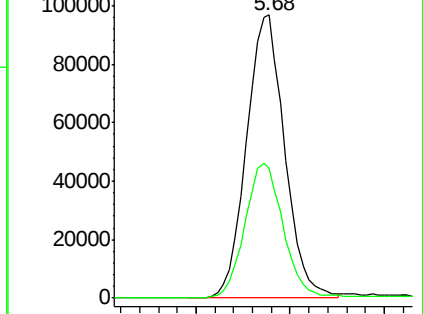
168 100

99 46.0 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000901.D

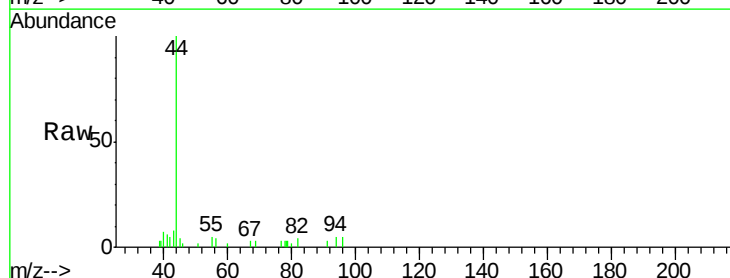
Acq: 15 Apr 2018 17:02

Tgt Ion: 94 Resp: 229

Ion Ratio Lower Upper

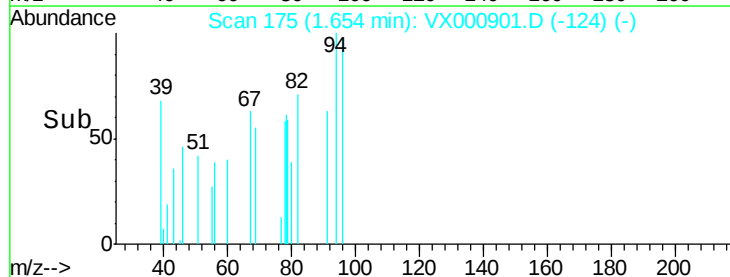
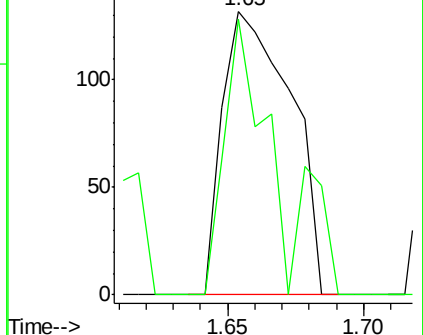
94 100

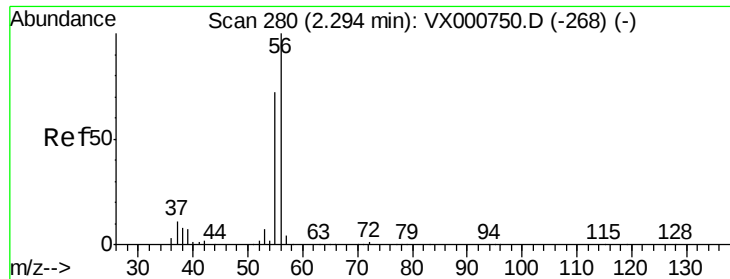
96 97.0 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#13

Acrolein

Concen: 0.21 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX000901.D

Acq: 15 Apr 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

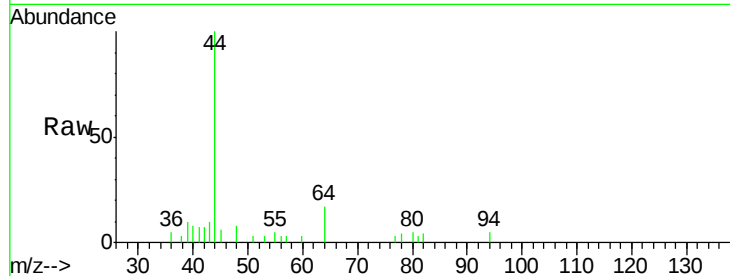
PB108205ZHE#17 5X

Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

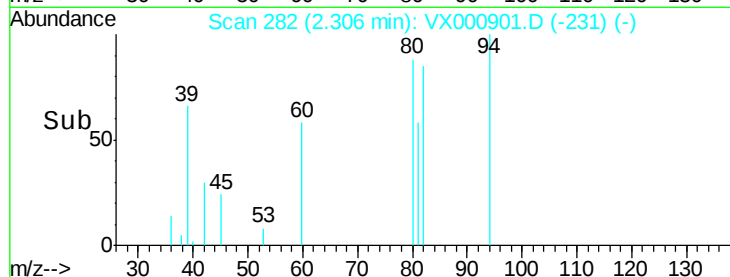
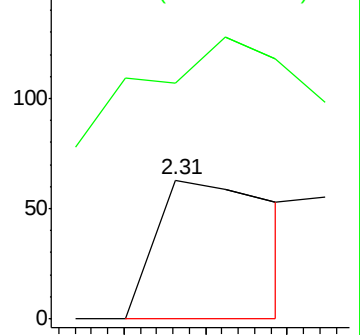
56 100

55 28.1 58.7 88.1#

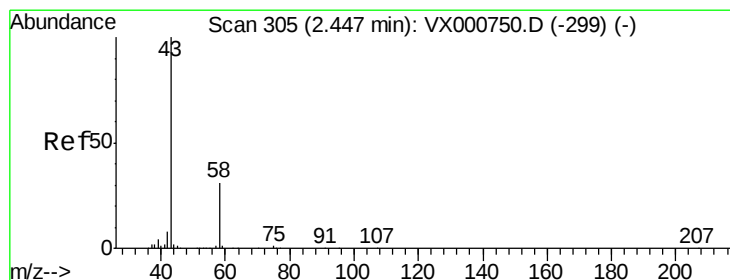


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 1.94 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000901.D

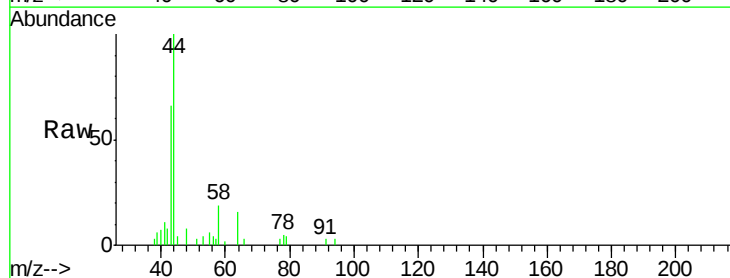
Acq: 15 Apr 2018 17:02

Tgt Ion: 43 Resp: 2326

Ion Ratio Lower Upper

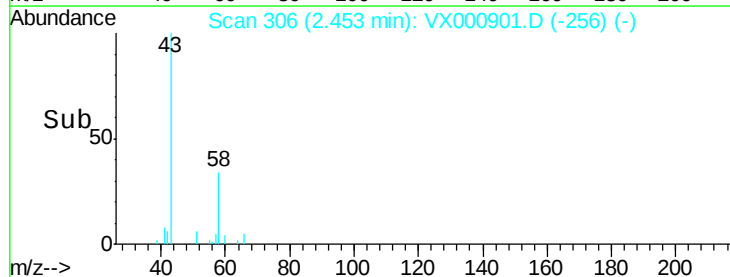
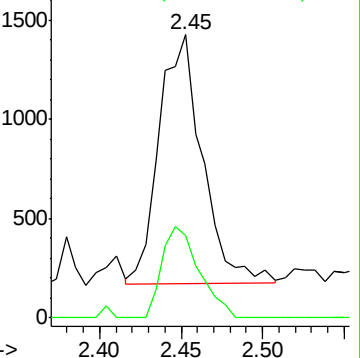
43 100

58 33.4 24.6 37.0

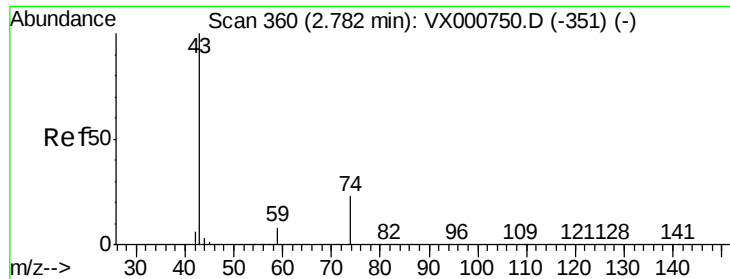


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



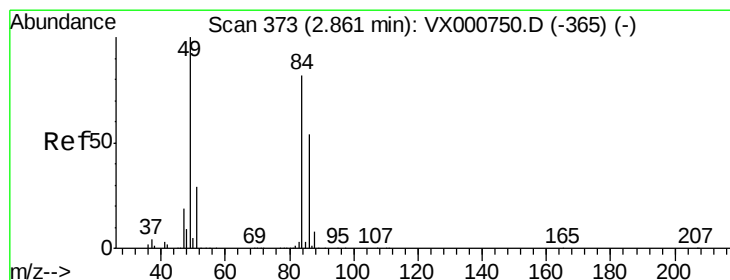
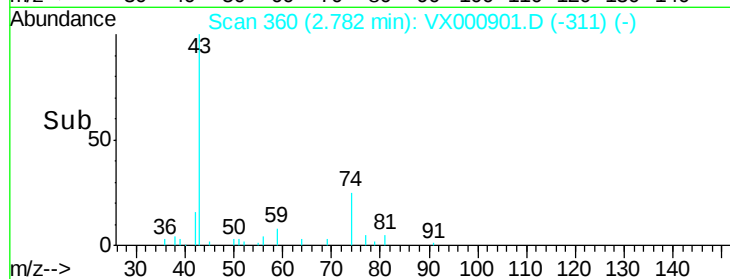
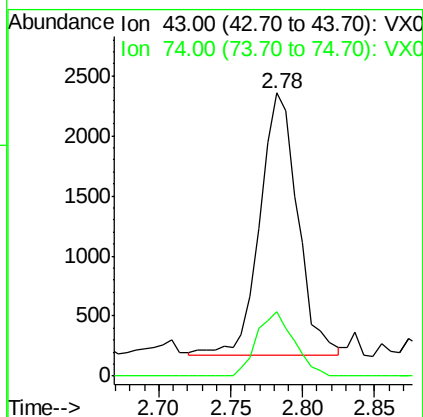
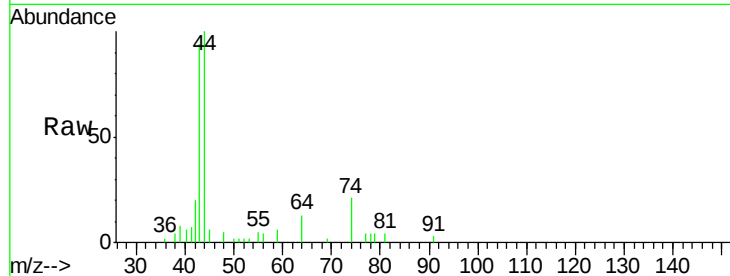
Time-->



#18
Methyl Acetate
Concen: 1.28 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX000901.D
Acq: 15 Apr 2018 17:02

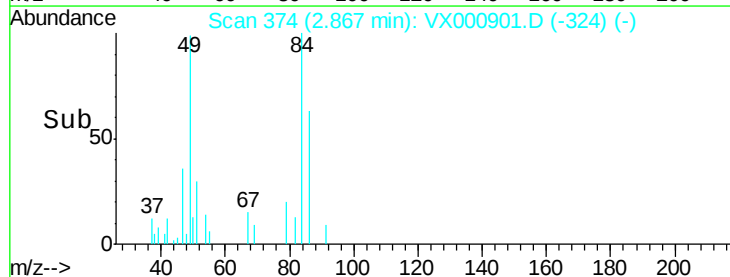
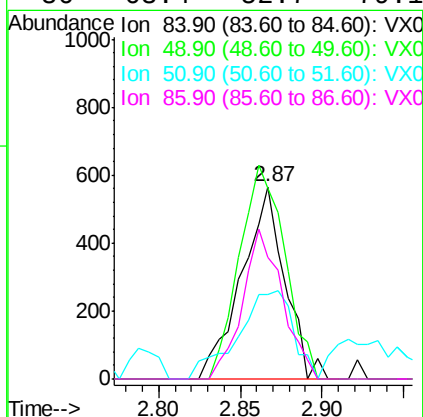
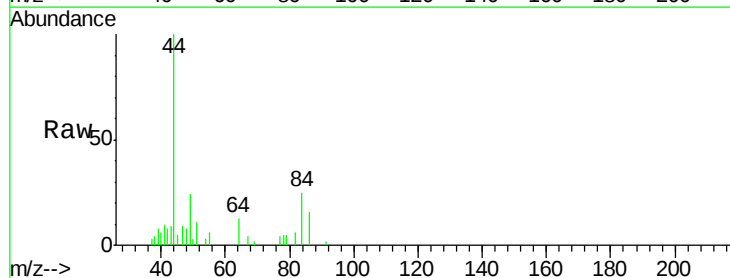
Instrument :
MSVOA_X
ClientSampleId :
PB108205ZHE#17 5X

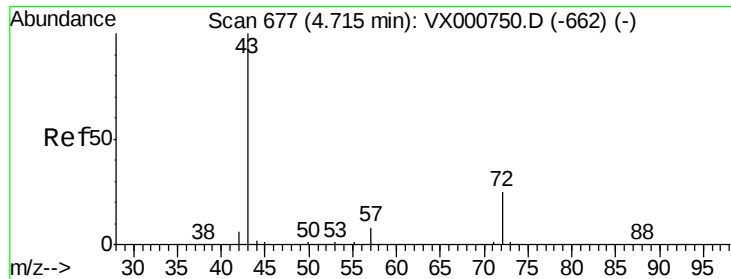
Tgt Ion: 43 Resp: 3969
Ion Ratio Lower Upper
43 100
74 24.1 19.1 28.7



#20
Methylene Chloride
Concen: 0.38 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000901.D
Acq: 15 Apr 2018 17:02

Tgt Ion: 84 Resp: 1044
Ion Ratio Lower Upper
84 100
49 99.5 98.1 147.1
51 44.0 28.9 43.3#
86 63.4 52.7 79.1





#25

2-Butanone

Concen: 0.40 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000901.D

Acq: 15 Apr 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

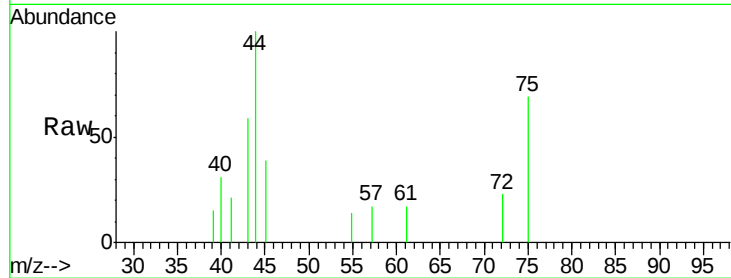
PB108205ZHE#17 5X

Tgt Ion: 43 Resp: 794

Ion Ratio Lower Upper

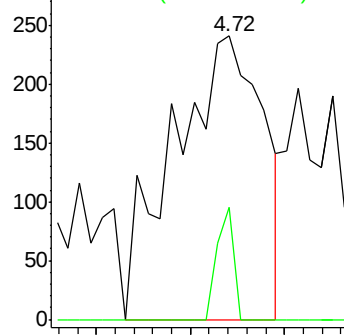
43 100

72 39.4 20.3 30.5#

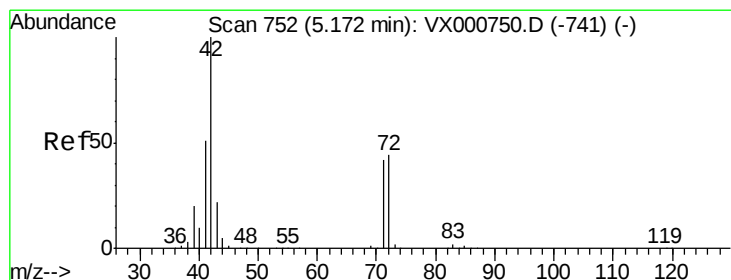
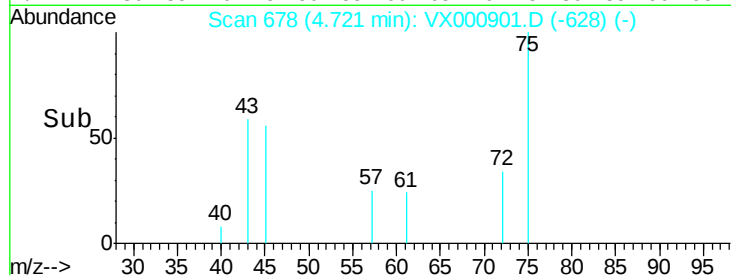


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX000901.D

Acq: 15 Apr 2018 17:02

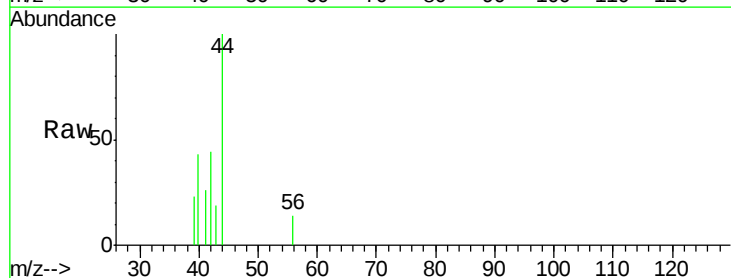
Tgt Ion: 42 Resp: 372

Ion Ratio Lower Upper

42 100

72 12.4 35.1 52.7#

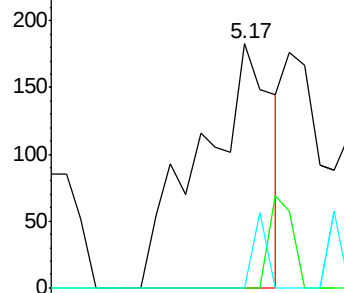
71 5.4 32.8 49.2#



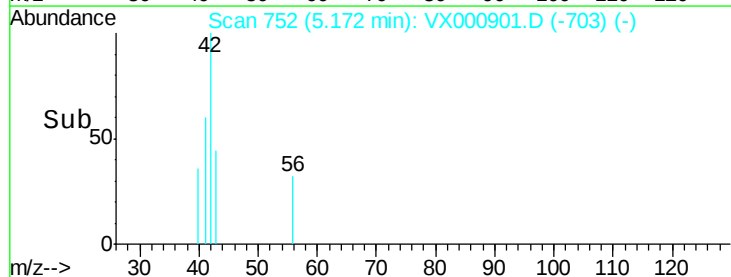
Abundance Ion 42.00 (41.70 to 42.70): VX0

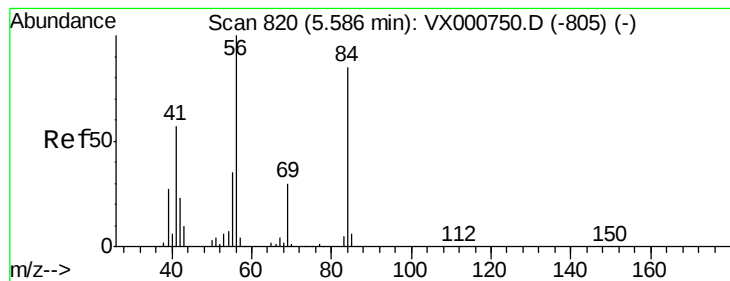
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->





#31

Cyclohexane

Concen: 0.95 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000901.D

Acq: 15 Apr 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#17 5X

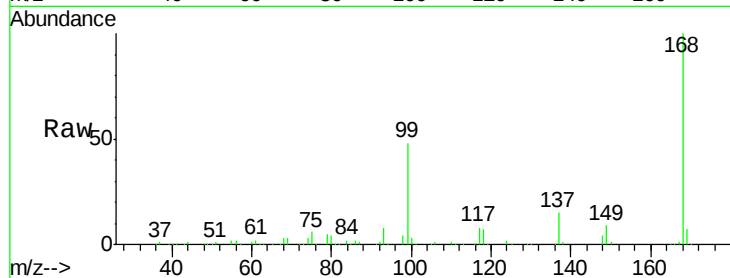
Tgt Ion: 56 Resp: 4351

Ion Ratio Lower Upper

56 100

69 203.2 24.2 36.4#

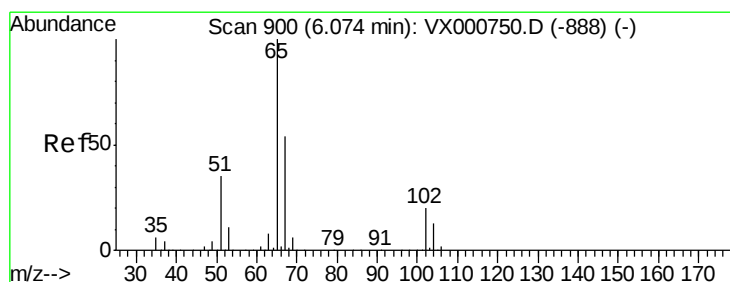
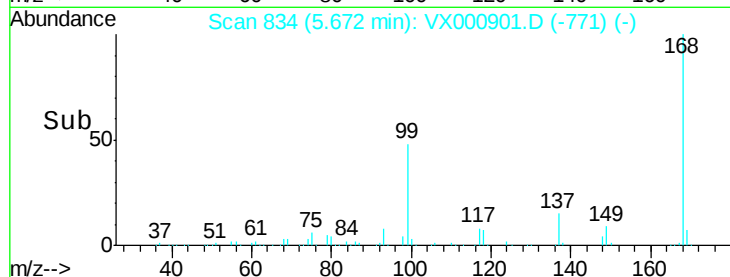
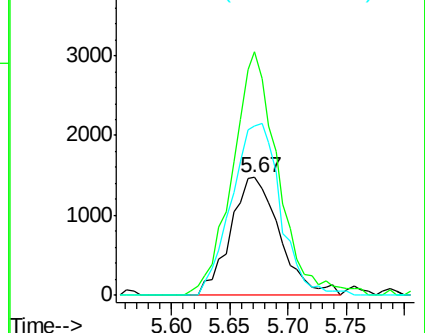
84 144.4 67.6 101.4#



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: 47.81 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000901.D

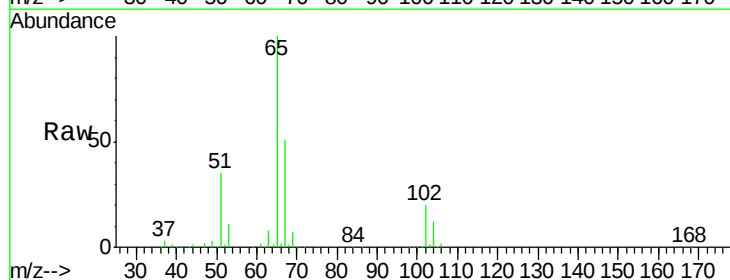
Acq: 15 Apr 2018 17:02

Tgt Ion: 65 Resp: 165866

Ion Ratio Lower Upper

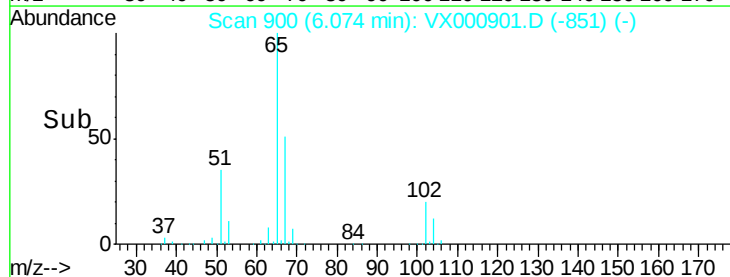
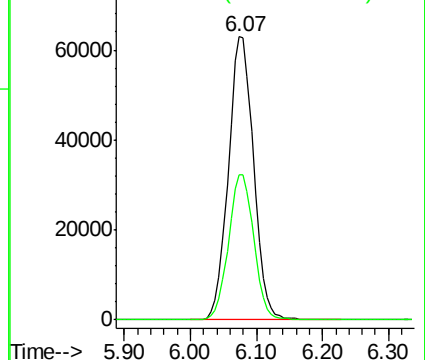
65 100

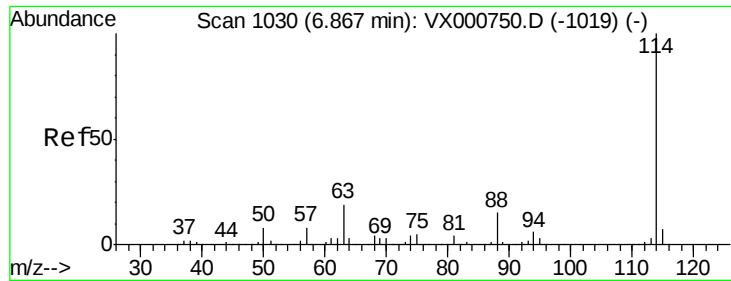
67 51.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000901.D

Acq: 15 Apr 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#17 5X

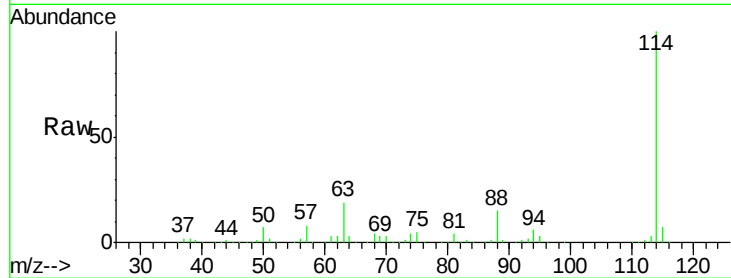
Tgt Ion:114 Resp: 378564

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

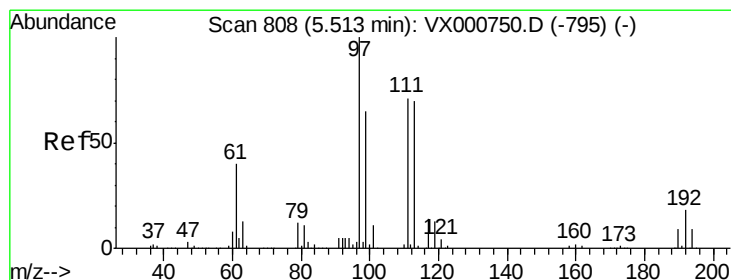
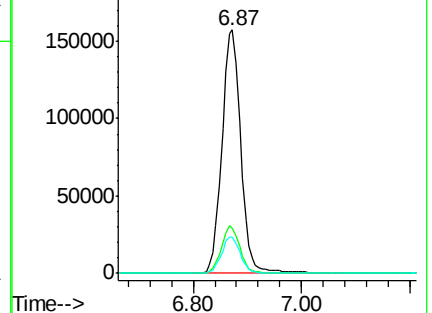
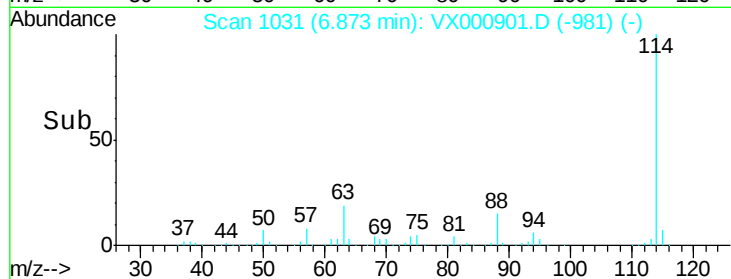
88 14.8 0.0 31.0



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: 45.66 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000901.D

Acq: 15 Apr 2018 17:02

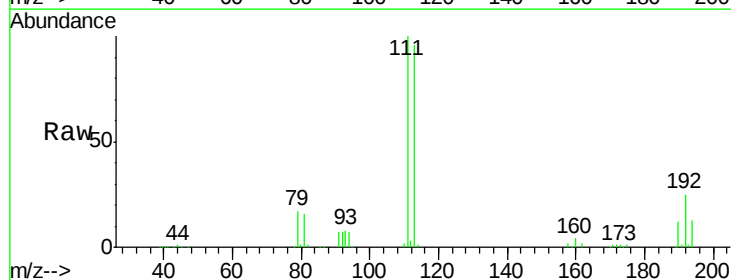
Tgt Ion:113 Resp: 133164

Ion Ratio Lower Upper

113 100

111 102.8 81.5 122.3

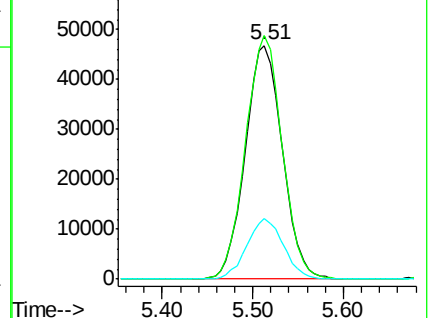
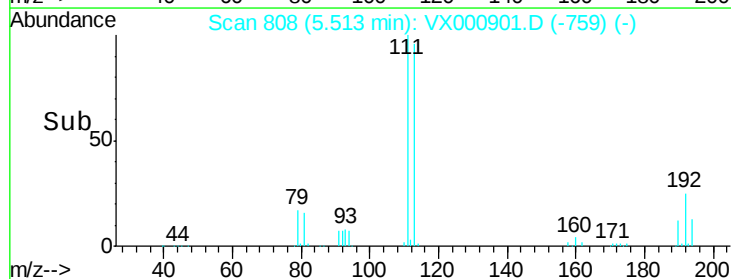
192 25.7 20.4 30.6

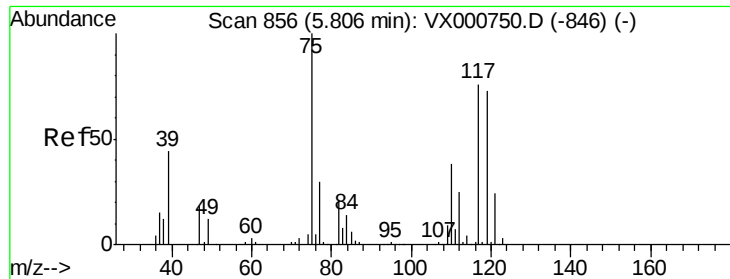


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

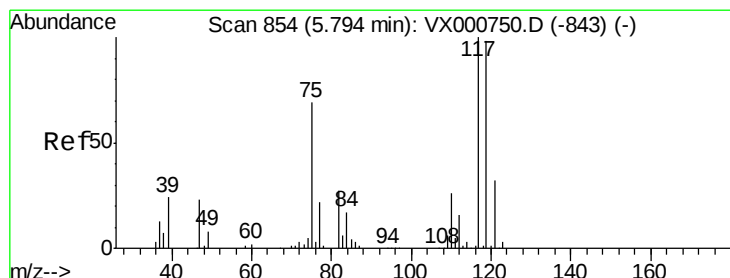
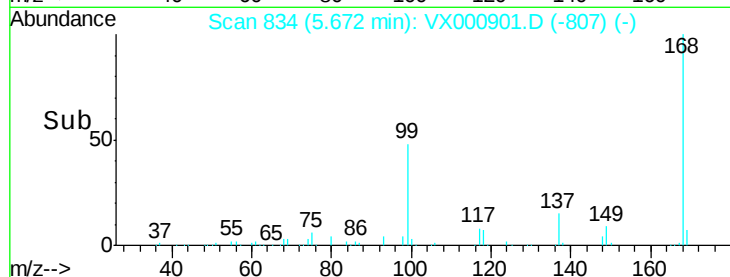
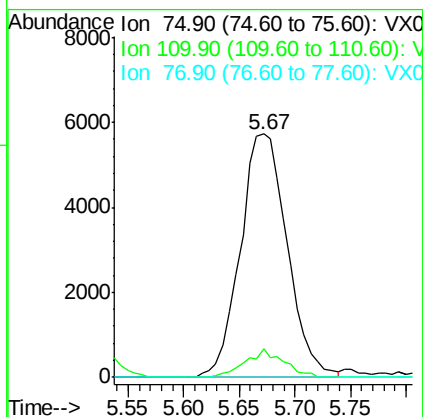
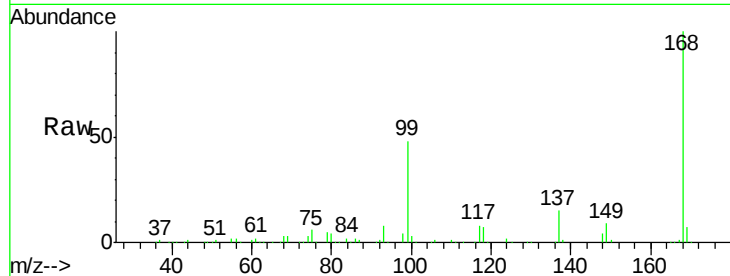




#36
 1,1-Dichloropropene
 Concen: 4.02 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000901.D
 Acq: 15 Apr 2018 17:02

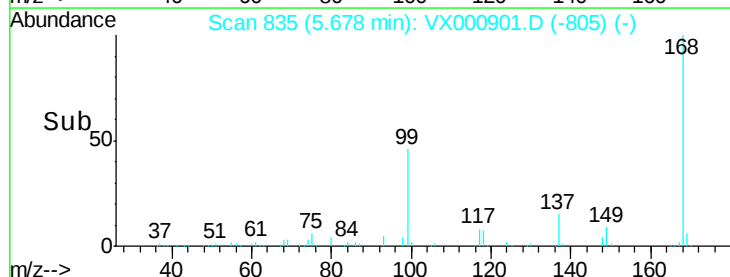
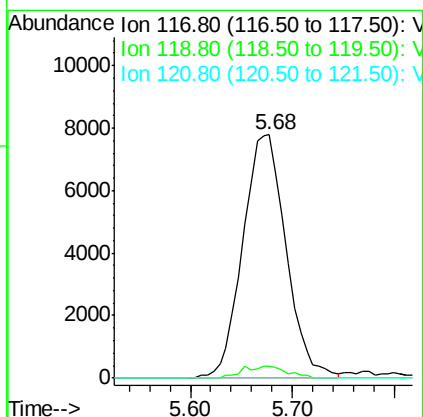
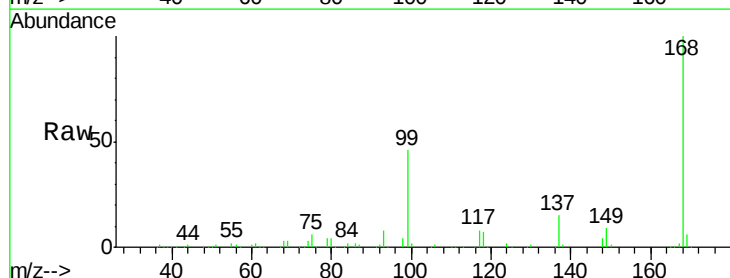
Instrument :
 MSVOA_X
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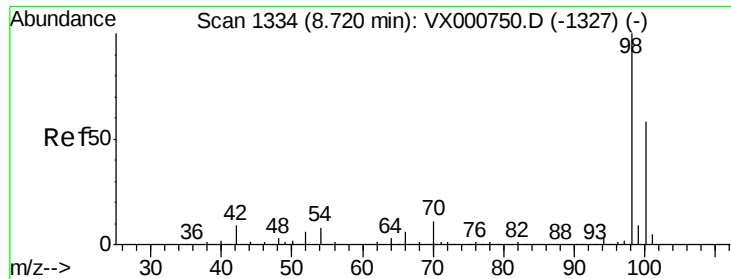
Tgt Ion: 75 Resp: 16758
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.2 57.6#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 4.92 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000901.D
 Acq: 15 Apr 2018 17:02

Tgt Ion: 117 Resp: 22977
 Ion Ratio Lower Upper
 117 100
 119 4.8 78.4 117.6#
 121 0.0 25.4 38.0#





#50

Toluene-d8

Concen: 48.16 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000901.D

Acq: 15 Apr 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

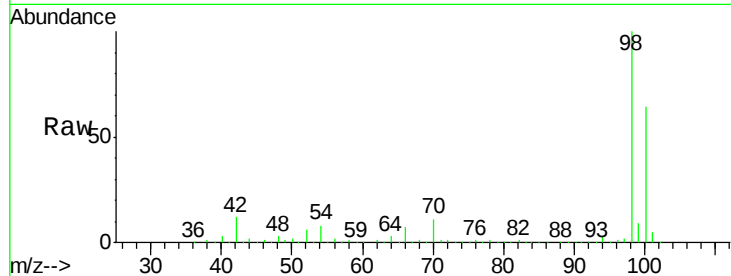
PB108205ZHE#17 5X

Tgt Ion: 98 Resp: 522962

Ion Ratio Lower Upper

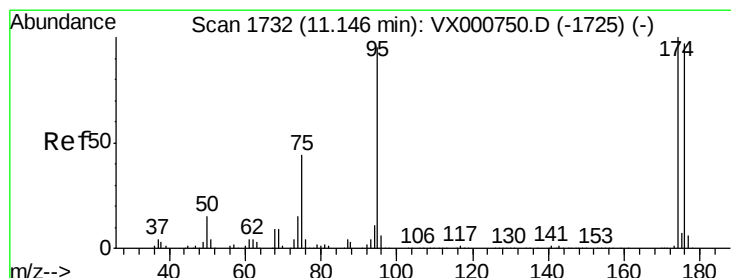
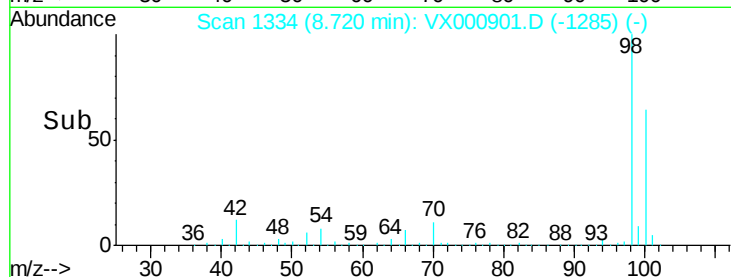
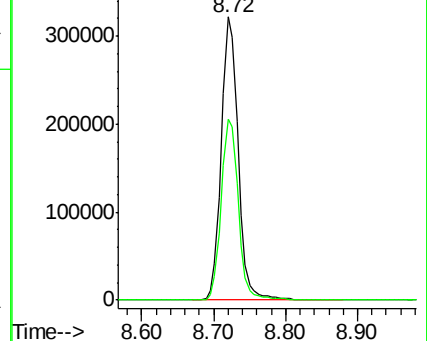
98 100

100 65.0 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000901.D

Acq: 15 Apr 2018 17:02

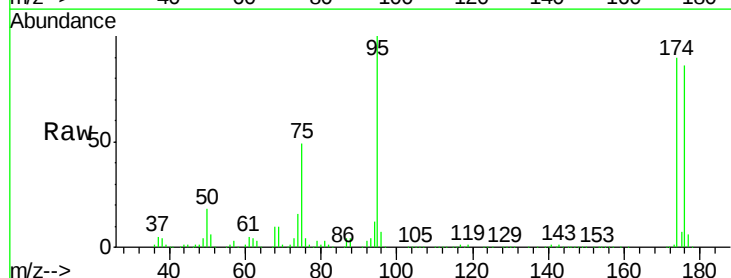
Tgt Ion: 95 Resp: 203002

Ion Ratio Lower Upper

95 100

174 98.1 0.0 198.4

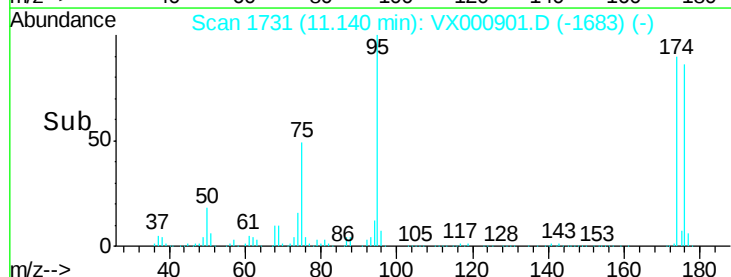
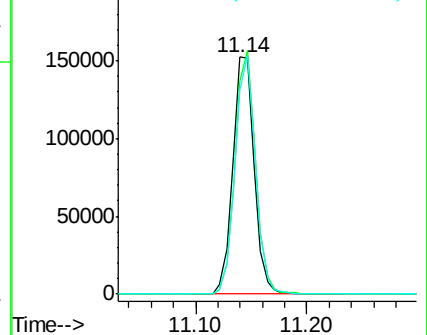
176 95.6 0.0 194.4

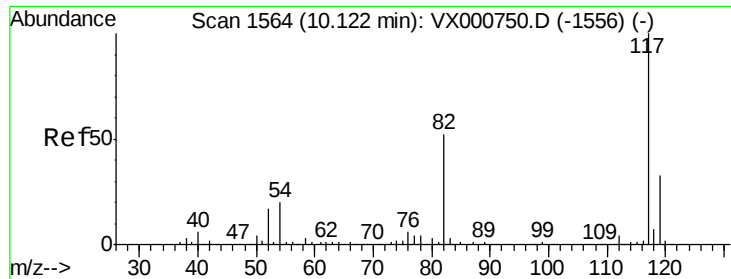


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000901.D

Acq: 15 Apr 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#17 5X

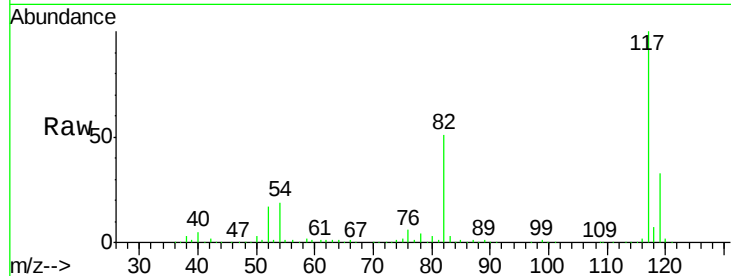
Tgt Ion:117 Resp: 350219

Ion Ratio Lower Upper

117 100

82 51.5 41.9 62.9

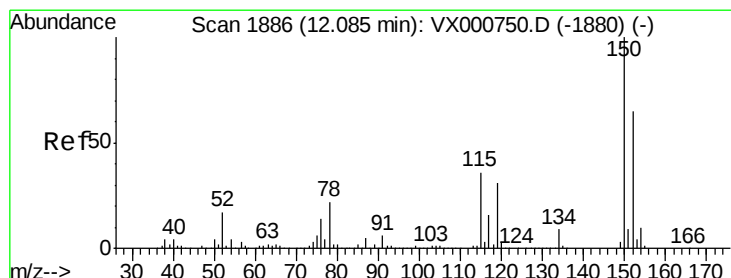
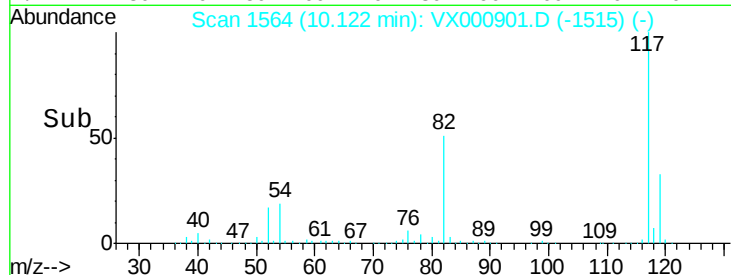
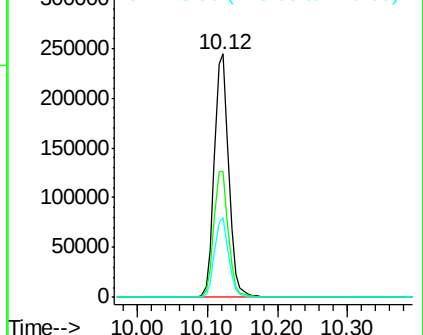
119 32.8 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000901.D

Acq: 15 Apr 2018 17:02

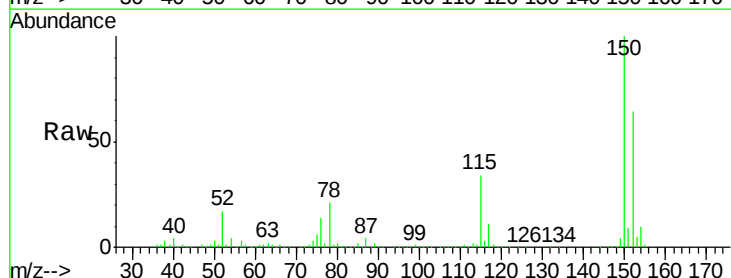
Tgt Ion:152 Resp: 227184

Ion Ratio Lower Upper

152 100

115 53.2 37.9 113.7

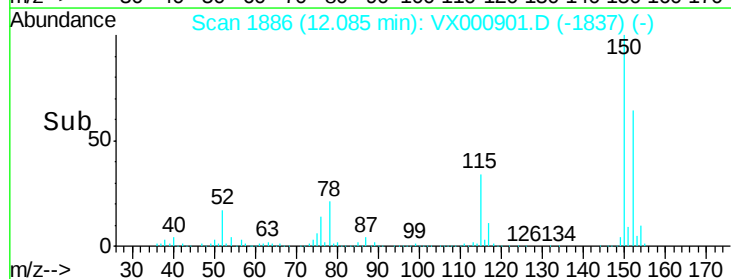
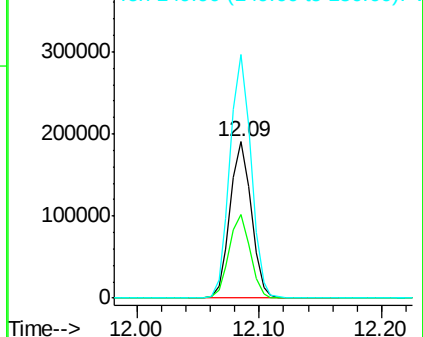
150 155.6 0.0 348.0

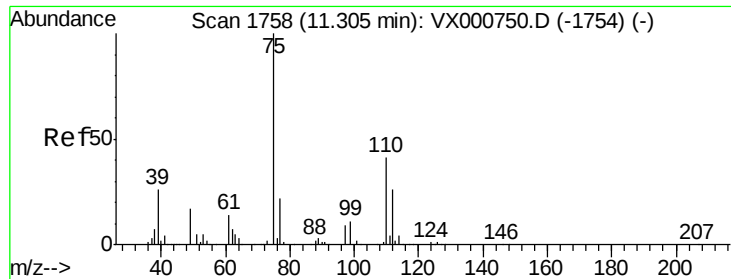


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.09 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000901.D

Acq: 15 Apr 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

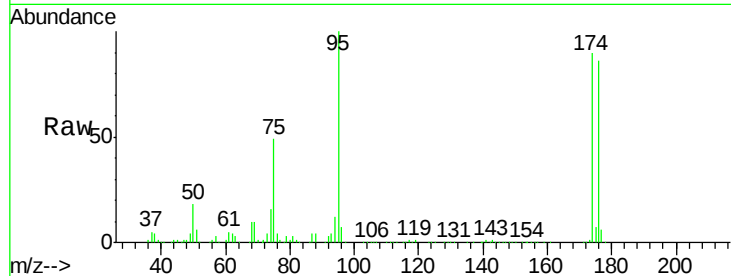
PB108205ZHE#17 5X

Tgt Ion: 75 Resp: 98322

Ion Ratio Lower Upper

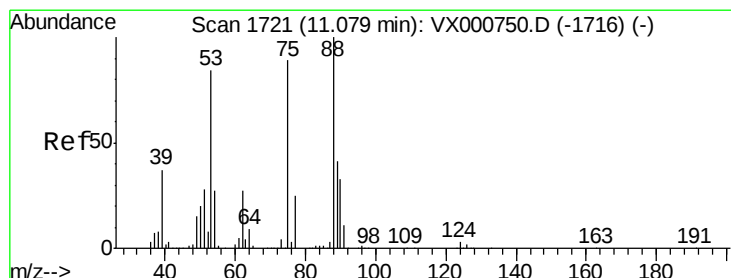
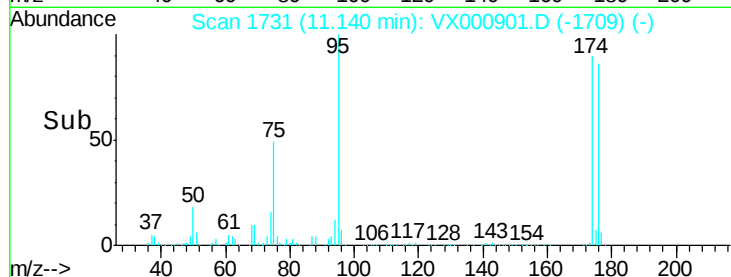
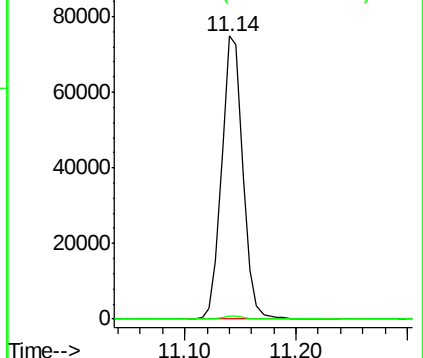
75 100

77 1.2 20.5 61.5#



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: 69.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000901.D

Acq: 15 Apr 2018 17:02

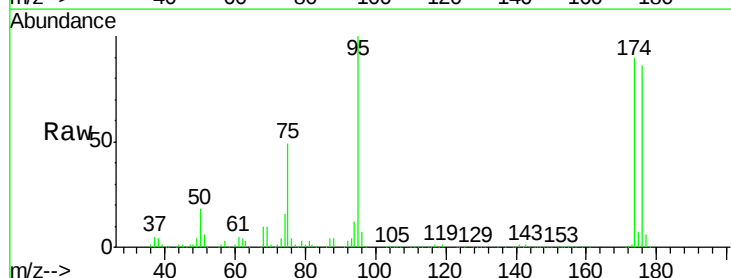
Tgt Ion: 75 Resp: 98322

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#



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

