

Data File : VX000897.D

Acq On : 15 Apr 2018 15:20

Operator : JC/MD

Sample : ZHE-10 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 10 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#10 5X

Quant Time: Apr 16 07:38:31 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	5.67	168	274728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	375155	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	346384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	233768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	163459	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
35) Dibromofluoromethane	5.51	113	133213	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
50) Toluene-d8	8.72	98	517945	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	11.14	95	202514	45.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.96%	

Target Compounds

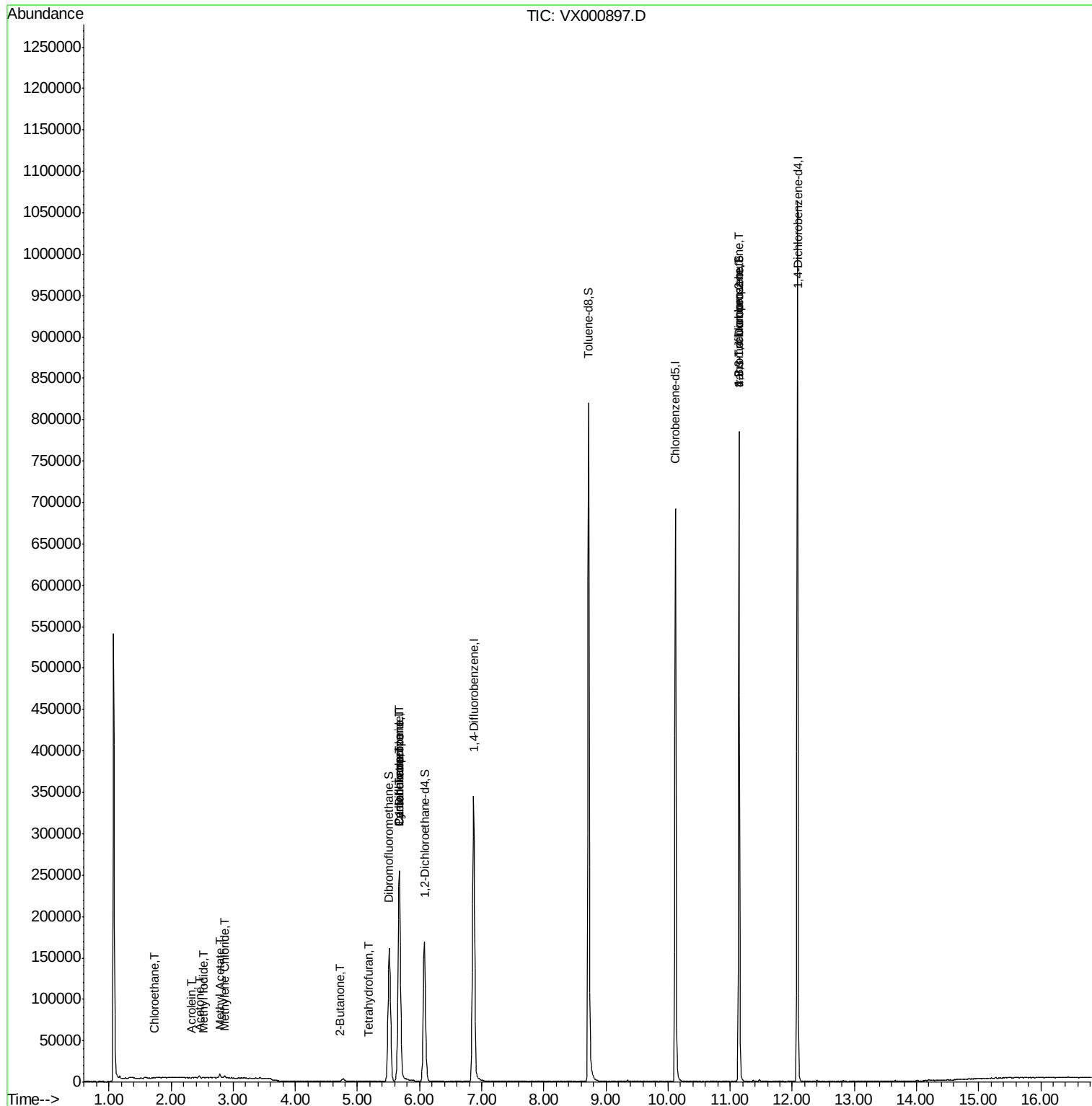
						Qvalue
5) Bromomethane	1.66	94	223	Below Cal		82
6) Chloroethane	1.73	64	502	0.28 ug/l	#	43
10) Methyl Iodide	2.51	142	74	8.26 ug/l	#	42
13) Acrolein	2.33	56	70	0.23 ug/l	#	13
16) Acetone	2.45	43	2905	2.43 ug/l	#	84
18) Methyl Acetate	2.79	43	4813	1.56 ug/l		99
20) Methylene Chloride	2.86	84	1235	0.44 ug/l		98
25) 2-Butanone	4.71	43	767	0.39 ug/l	#	50
29) Tetrahydrofuran	5.19	42	599	0.48 ug/l	#	44
31) Cyclohexane	5.67	56	4444	0.97 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	16712	4.04 ug/l	#	48
38) Carbon Tetrachloride	5.67	117	23626	5.11 ug/l	#	16
76) 1,2,3-Trichloropropane	11.14	75	99809	24.76 ug/l	#	36
81) trans-1,4-Dichloro-2-buten	11.14	75	99809	68.10 ug/l	#	11

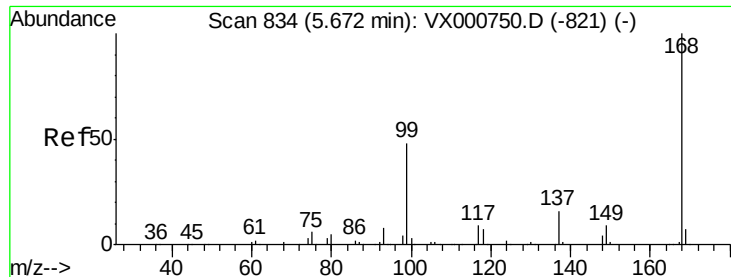
(#)=qualifier out of range (m)=manual integration (+)=signals summed

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PB108205ZHE#10 5X

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000897.D

Acq: 15 Apr 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

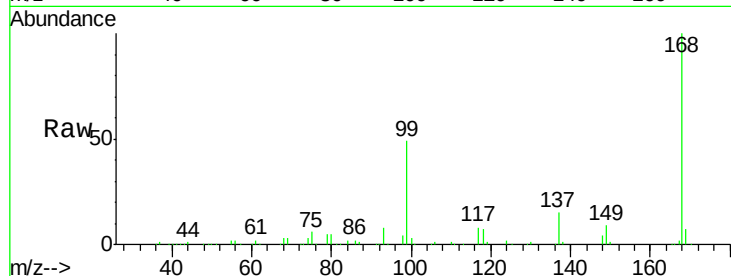
PB108205ZHE#10 5X

Tgt Ion:168 Resp: 274728

Ion Ratio Lower Upper

168 100

99 48.5 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

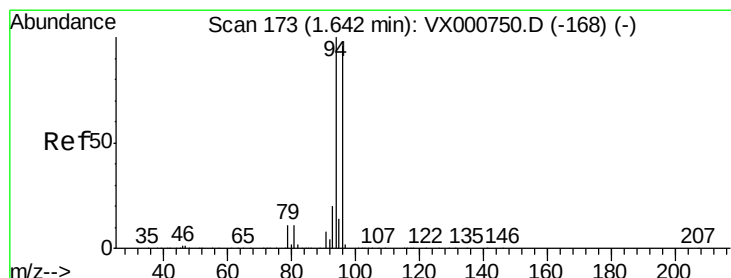
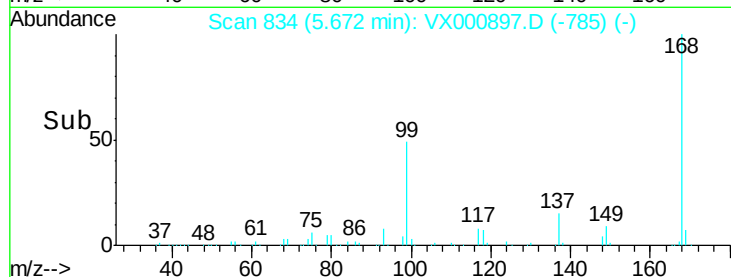
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000897.D

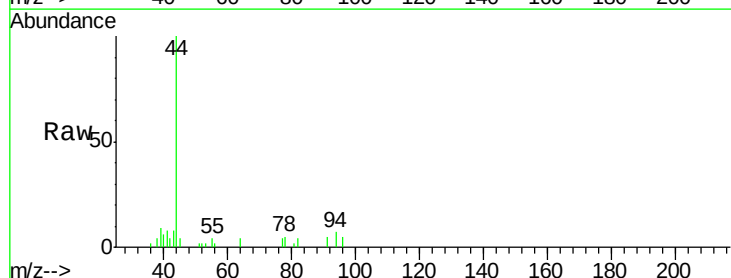
Acq: 15 Apr 2018 15:20

Tgt Ion: 94 Resp: 223

Ion Ratio Lower Upper

94 100

96 78.3 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

200

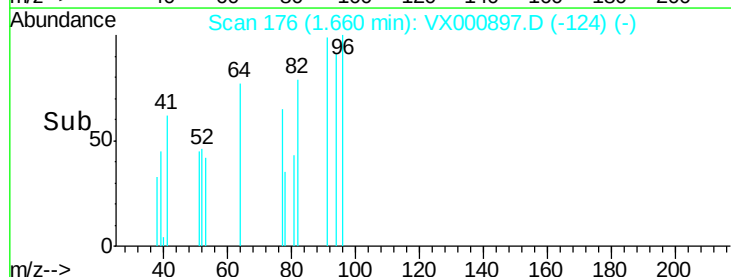
150

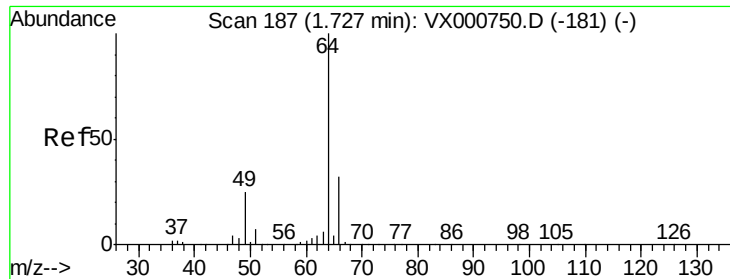
100

50

0

Time--> 1.62 1.64 1.66 1.68 1.70





#6

Chloroethane

Concen: 0.28 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000897.D

Acq: 15 Apr 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

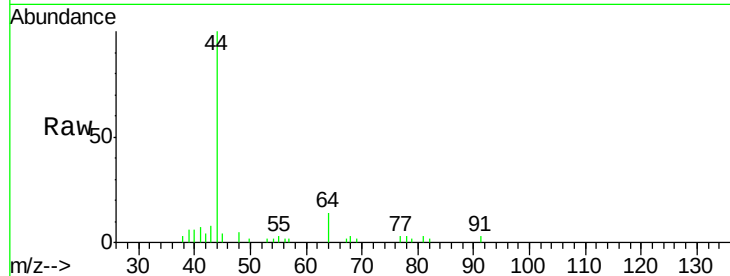
PB108205ZHE#10 5X

Tgt Ion: 64 Resp: 502

Ion Ratio Lower Upper

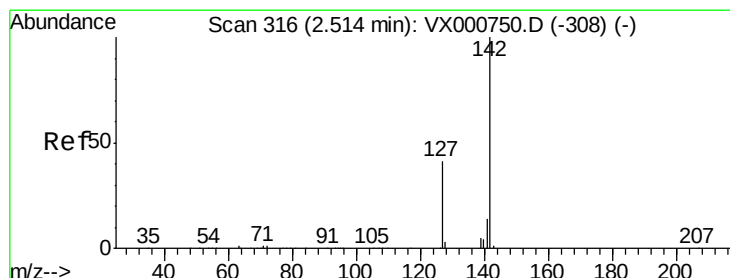
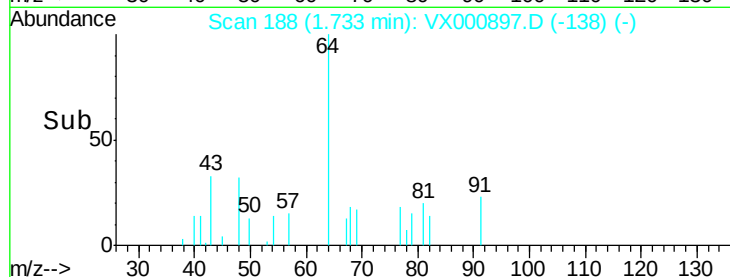
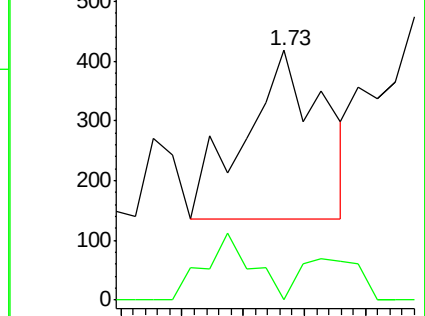
64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 8.26 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX000897.D

Acq: 15 Apr 2018 15:20

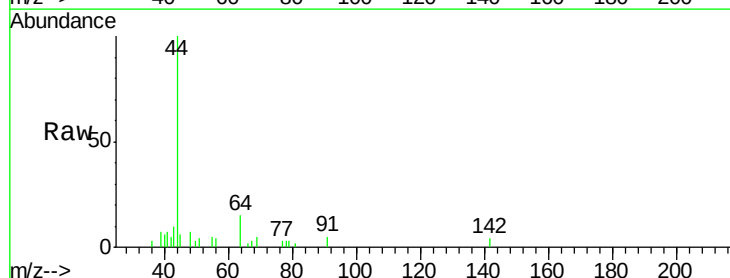
Tgt Ion: 142 Resp: 74

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

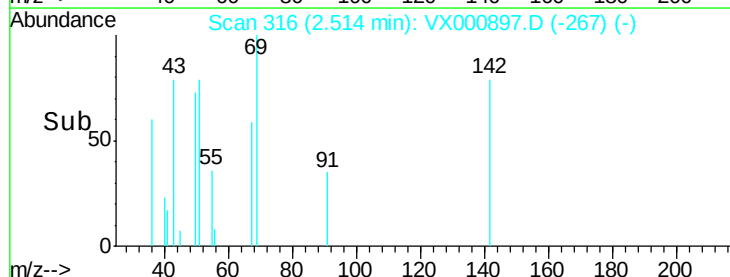
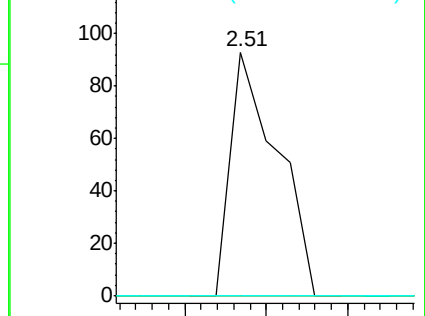
141 0.0 11.5 17.3#

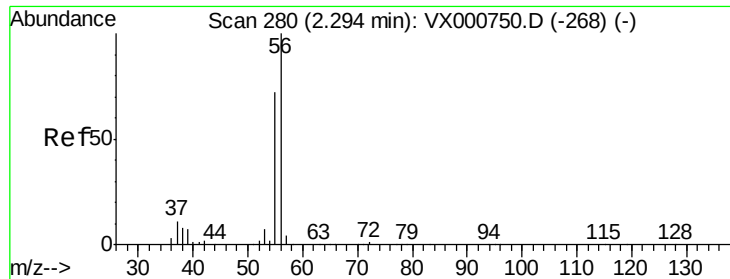


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.23 ug/l

RT: 2.33 min Scan# 286

Delta R.T. 0.04 min

Lab File: VX000897.D

Acq: 15 Apr 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

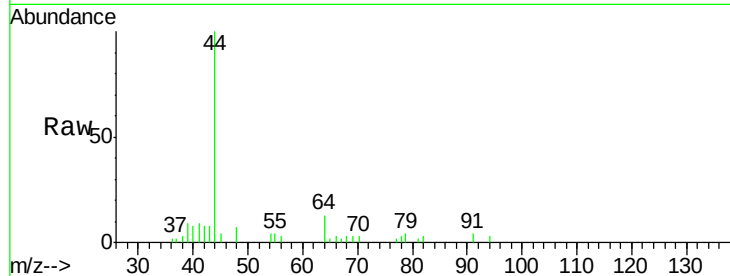
PB108205ZHE#10 5X

Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 0.0 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200

150

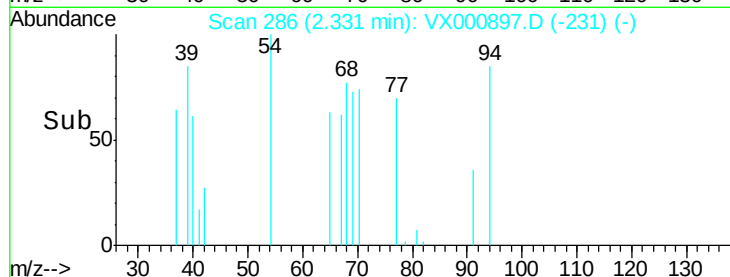
100

50

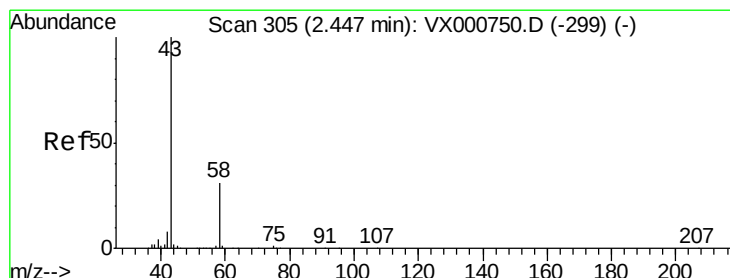
0

2.31 2.32 2.33 2.34

Time-->



Time-->



#16

Acetone

Concen: 2.43 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000897.D

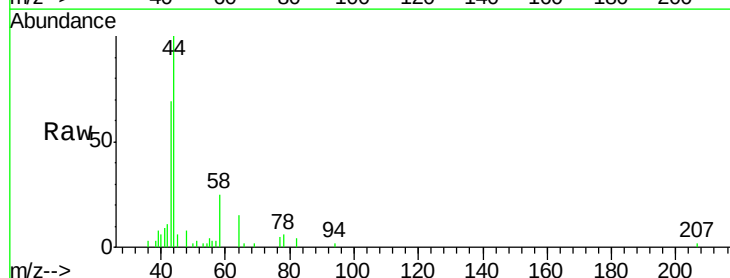
Acq: 15 Apr 2018 15:20

Tgt Ion: 43 Resp: 2905

Ion Ratio Lower Upper

43 100

58 39.8 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

1500

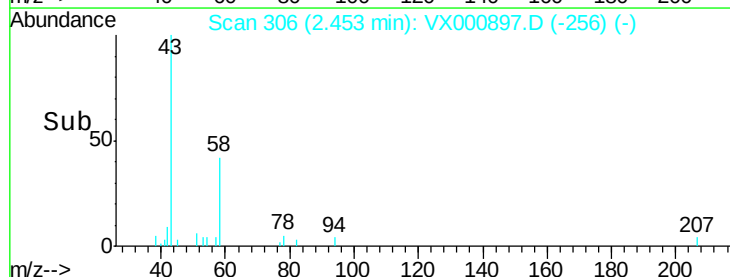
1000

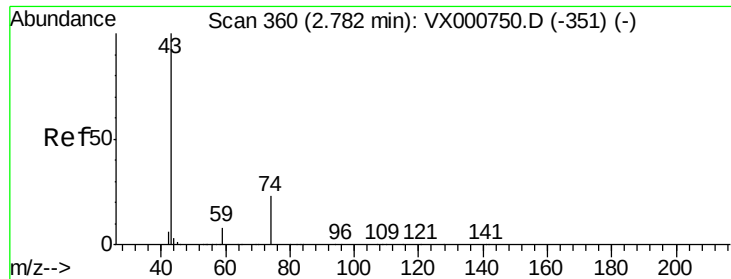
500

0

2.40 2.45 2.50

Time-->

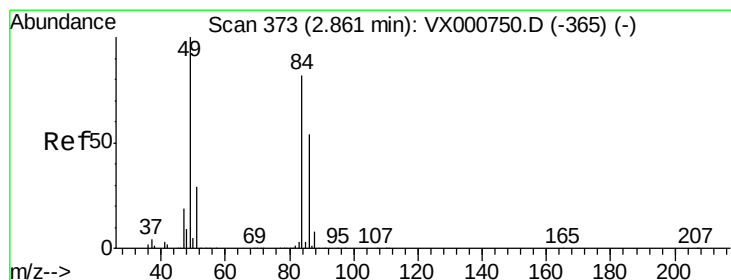
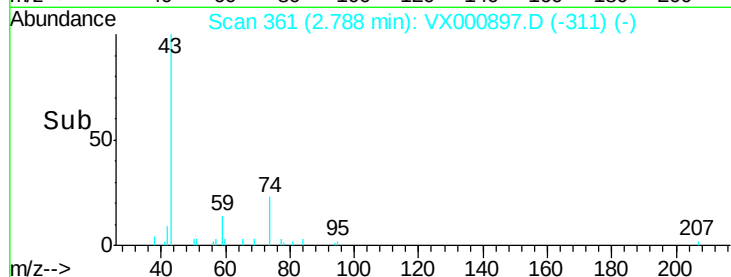
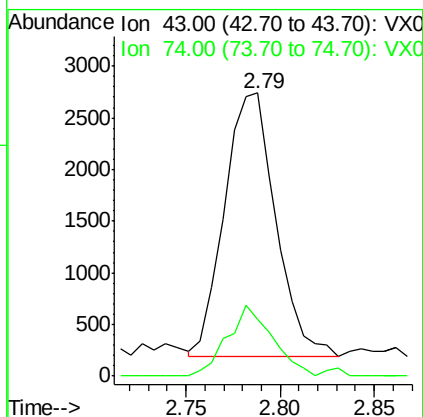
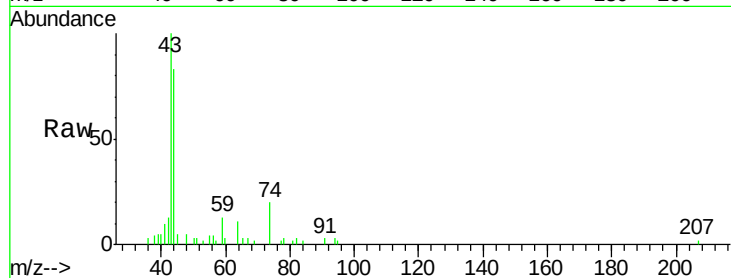




#18
Methyl Acetate
Concen: 1.56 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX000897.D
Acq: 15 Apr 2018 15:20

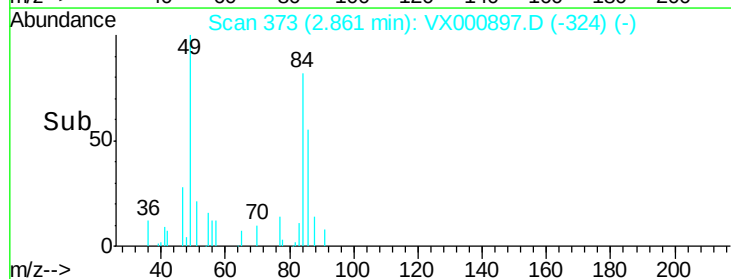
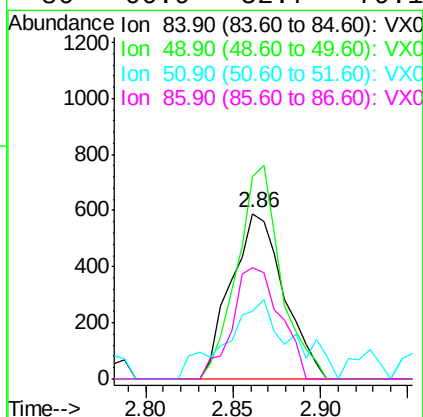
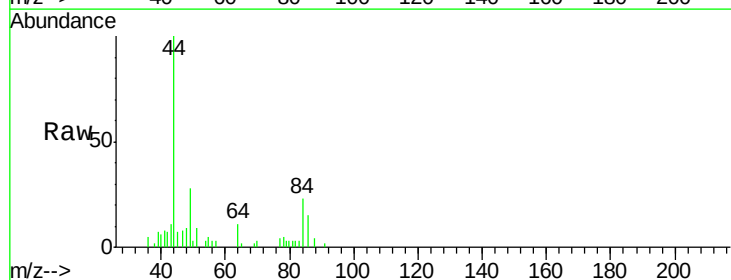
Instrument :
MSVOA_X
ClientSampleId :
PB108205ZHE#10 5X

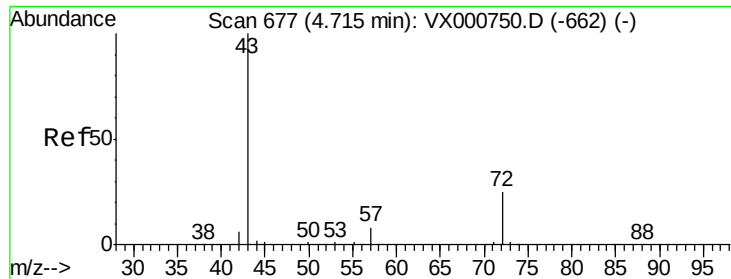
Tgt Ion: 43 Resp: 4813
Ion Ratio Lower Upper
43 100
74 23.5 19.1 28.7



#20
Methylene Chloride
Concen: 0.44 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000897.D
Acq: 15 Apr 2018 15:20

Tgt Ion: 84 Resp: 1235
Ion Ratio Lower Upper
84 100
49 122.2 98.1 147.1
51 40.8 28.9 43.3
86 66.9 52.7 79.1





#25

2-Butanone

Concen: 0.39 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000897.D

Acq: 15 Apr 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

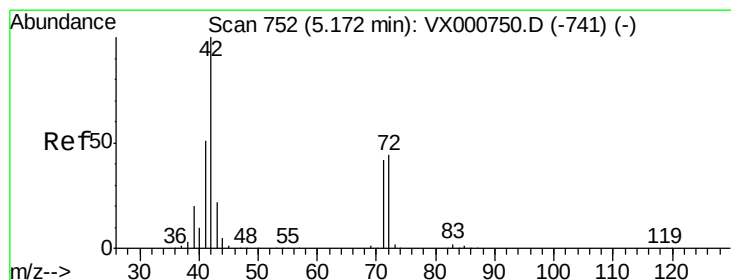
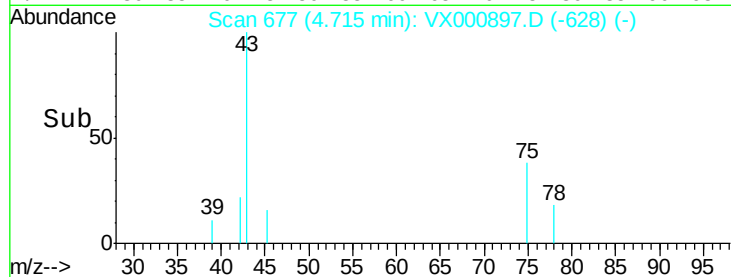
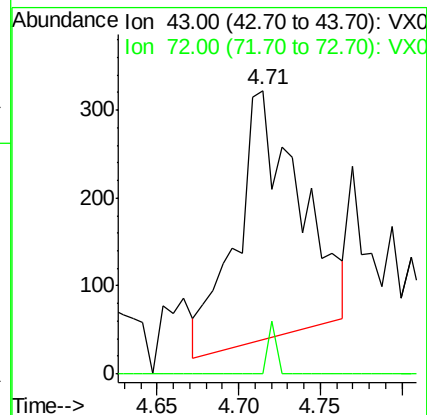
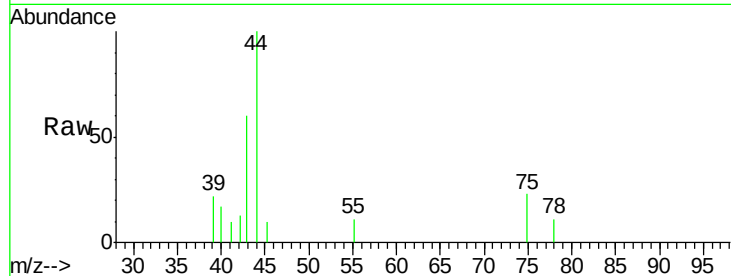
PB108205ZHE#10 5X

Tgt Ion: 43 Resp: 767

Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#



#29

Tetrahydrofuran

Concen: 0.48 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX000897.D

Acq: 15 Apr 2018 15:20

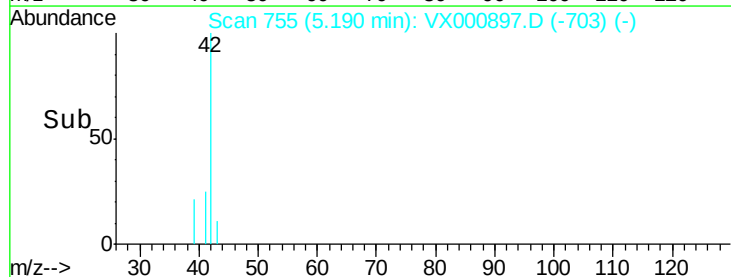
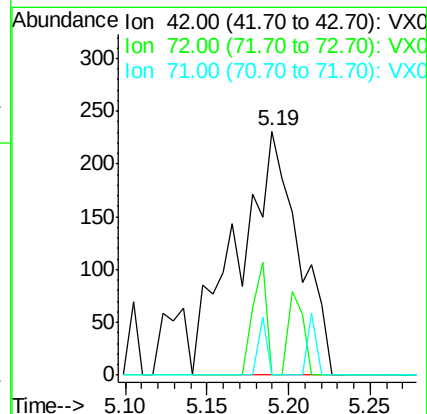
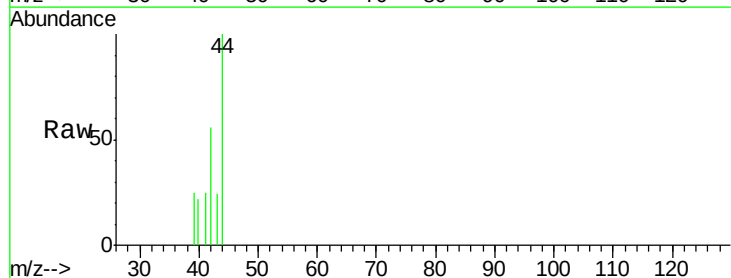
Tgt Ion: 42 Resp: 599

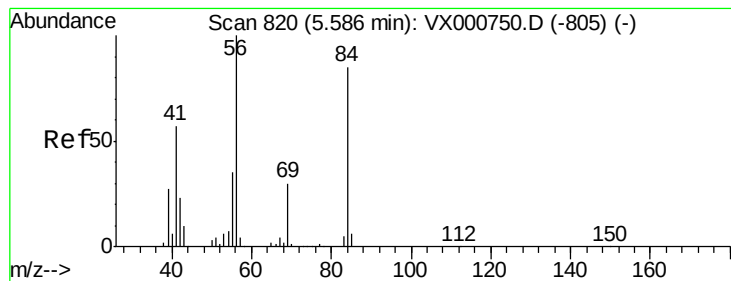
Ion Ratio Lower Upper

42 100

72 10.4 35.1 52.7#

71 3.3 32.8 49.2#





#31

Cyclohexane

Concen: 0.97 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000897.D

Acq: 15 Apr 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#10 5X

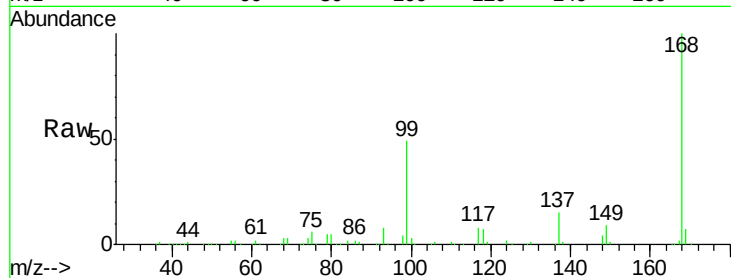
Tgt Ion: 56 Resp: 4444

Ion Ratio Lower Upper

56 100

69 176.4 24.2 36.4#

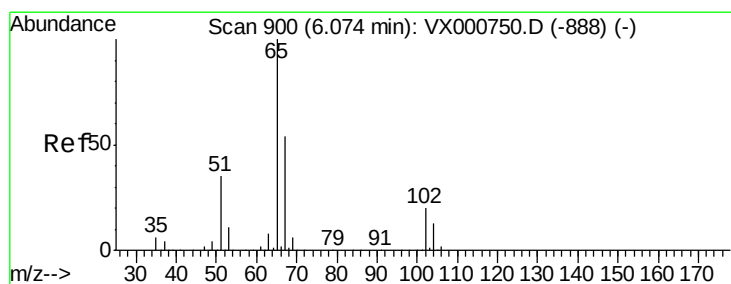
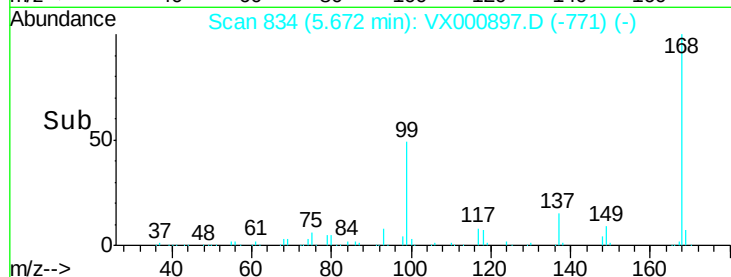
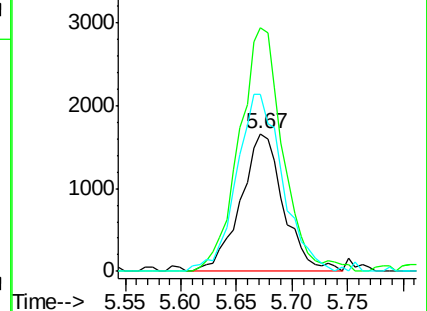
84 125.3 67.6 101.4#



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: 47.19 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000897.D

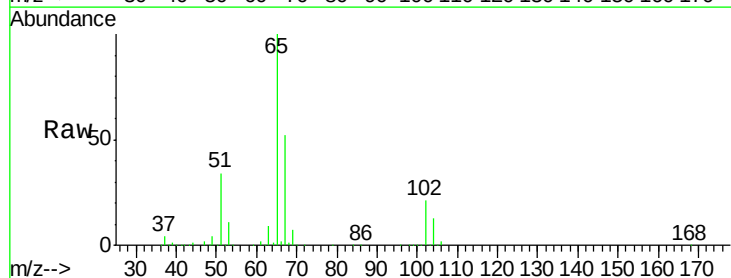
Acq: 15 Apr 2018 15:20

Tgt Ion: 65 Resp: 163459

Ion Ratio Lower Upper

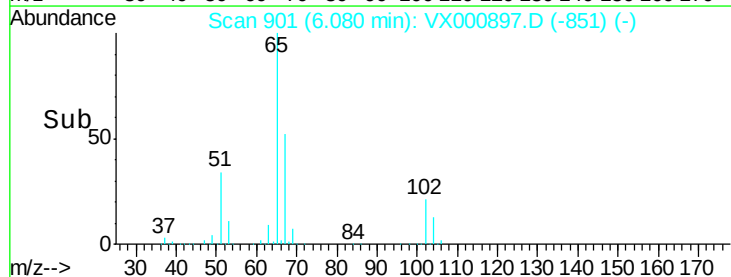
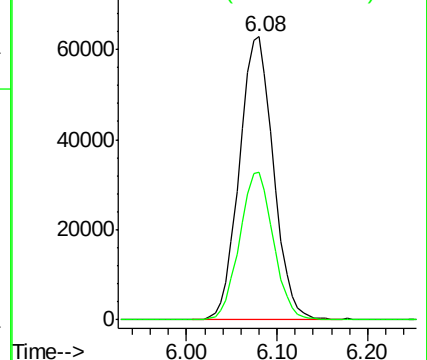
65 100

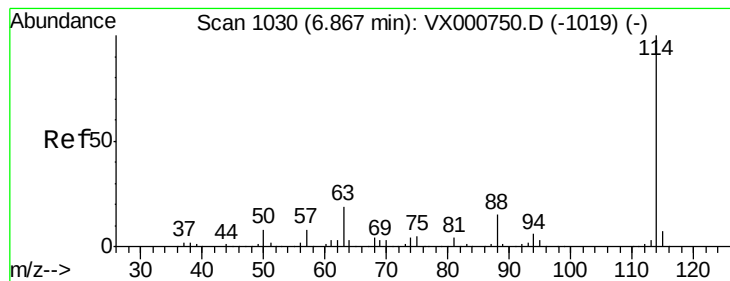
67 51.9 0.0 103.8



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: VX000897.D

Acq: 15 Apr 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#10 5X

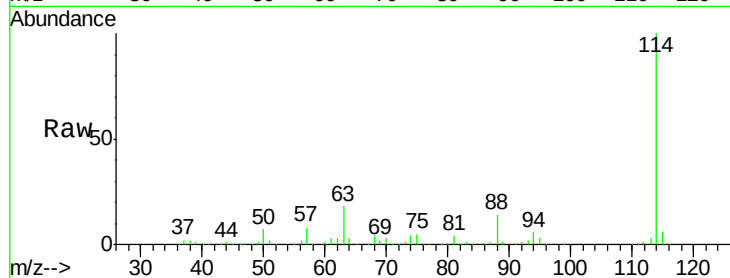
Tgt Ion:114 Resp: 375155

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

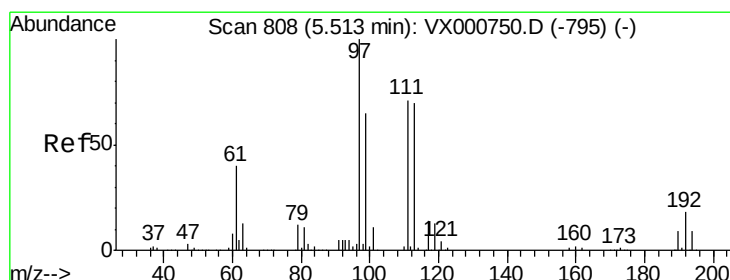
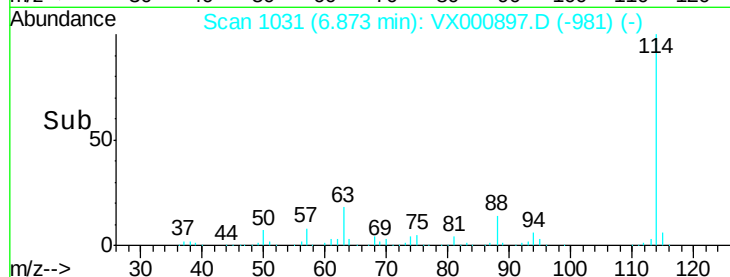
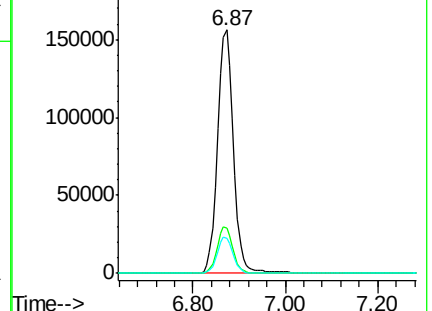
88 14.5 0.0 31.0



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: 46.09 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000897.D

Acq: 15 Apr 2018 15:20

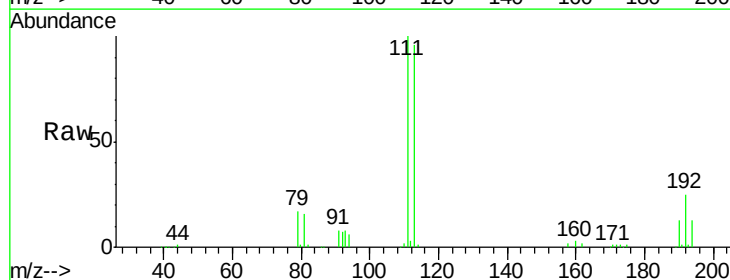
Tgt Ion:113 Resp: 133213

Ion Ratio Lower Upper

113 100

111 102.8 81.5 122.3

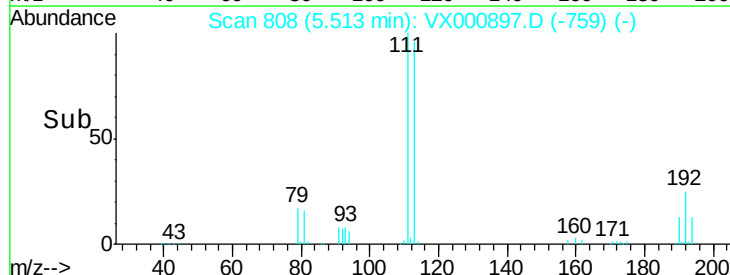
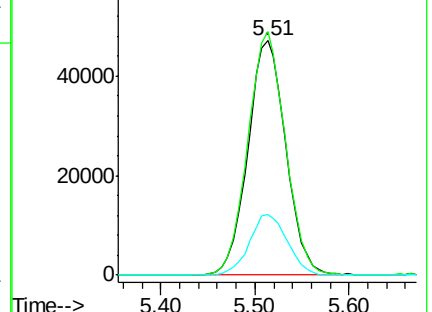
192 25.8 20.4 30.6

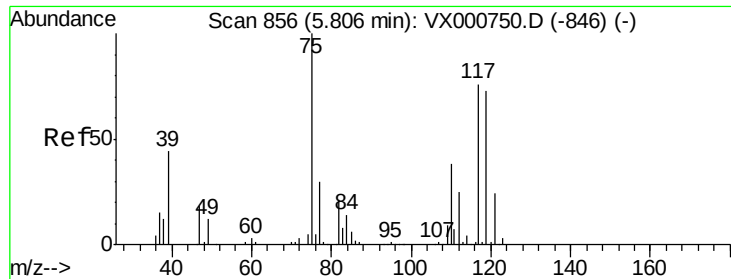


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

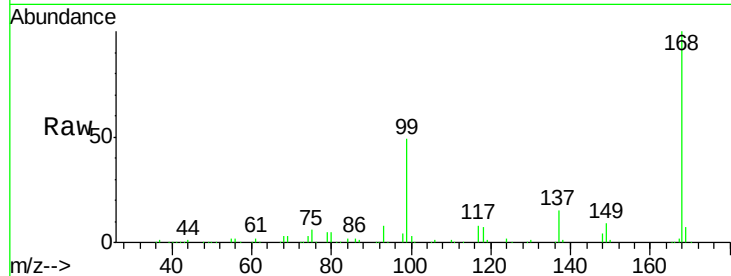




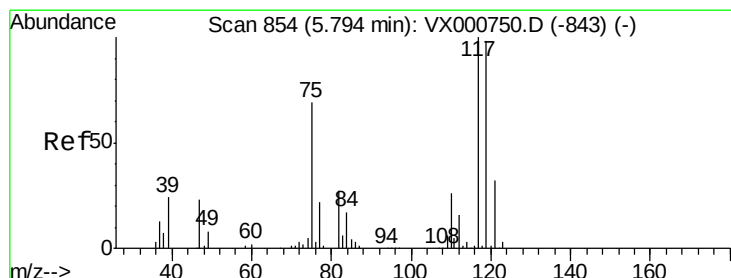
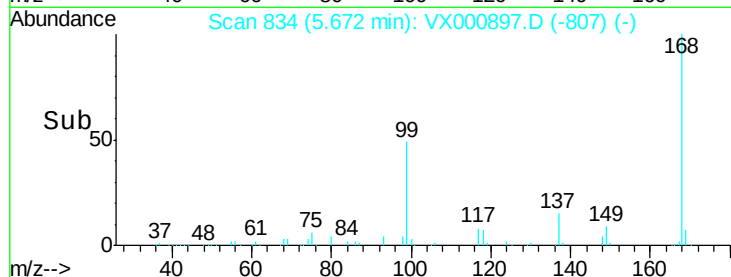
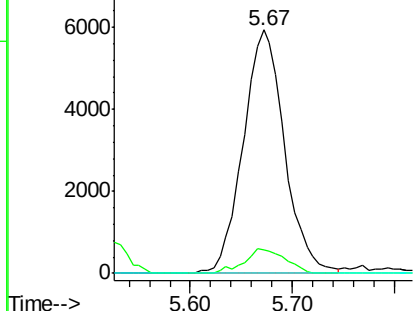
#36
 1,1-Dichloropropene
 Concen: 4.04 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000897.D
 Acq: 15 Apr 2018 15:20

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108205ZHE#10 5X

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.2	57.6#
77	0.0	25.4	38.2#

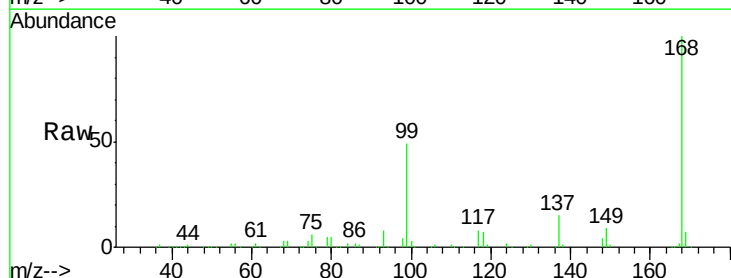


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

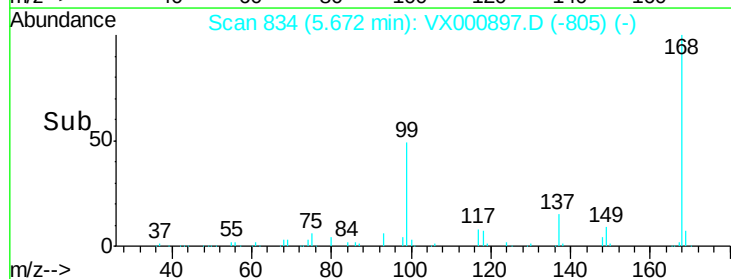
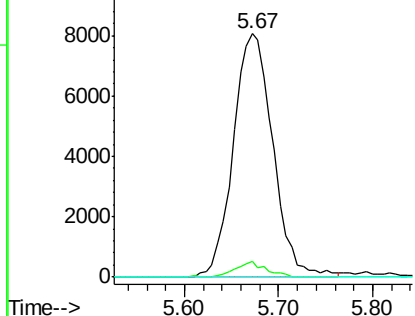


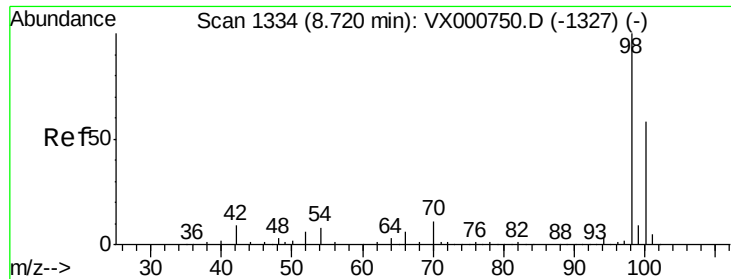
#38
 Carbon Tetrachloride
 Concen: 5.11 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000897.D
 Acq: 15 Apr 2018 15:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	78.4	117.6#
121	0.0	25.4	38.0#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.13 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000897.D

Acq: 15 Apr 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

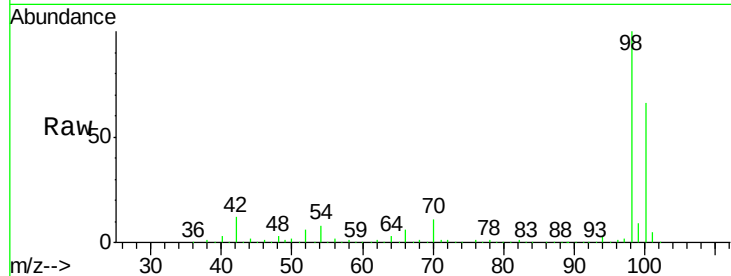
PB108205ZHE#10 5X

Tgt Ion: 98 Resp: 517945

Ion Ratio Lower Upper

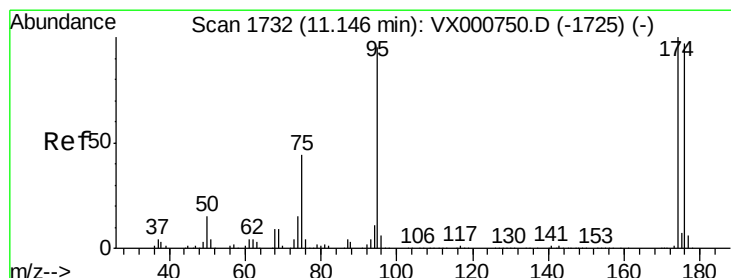
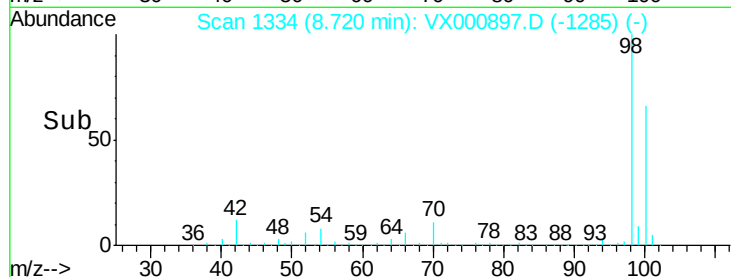
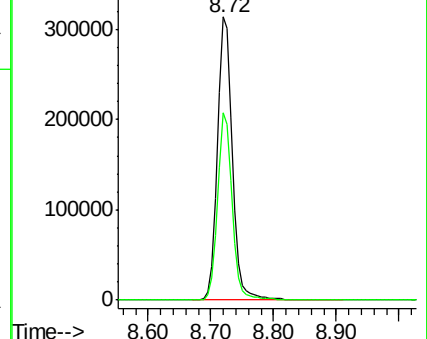
98 100

100 64.7 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: 45.48 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000897.D

Acq: 15 Apr 2018 15:20

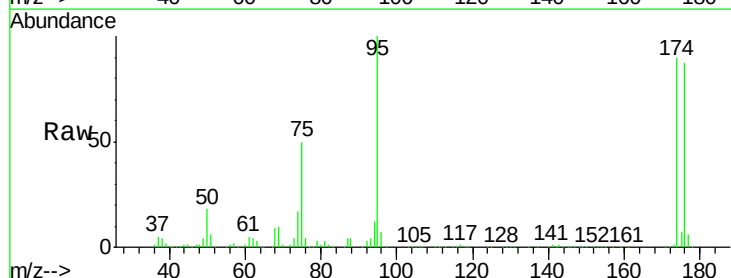
Tgt Ion: 95 Resp: 202514

Ion Ratio Lower Upper

95 100

174 98.2 0.0 198.4

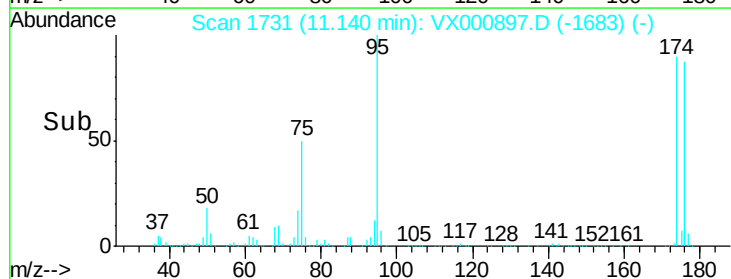
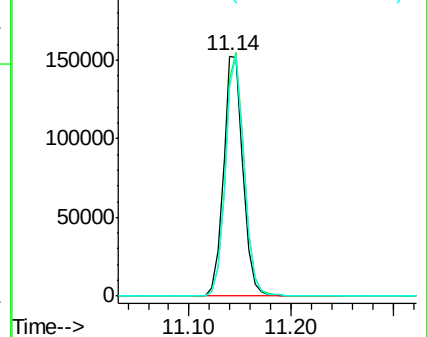
176 95.9 0.0 194.4

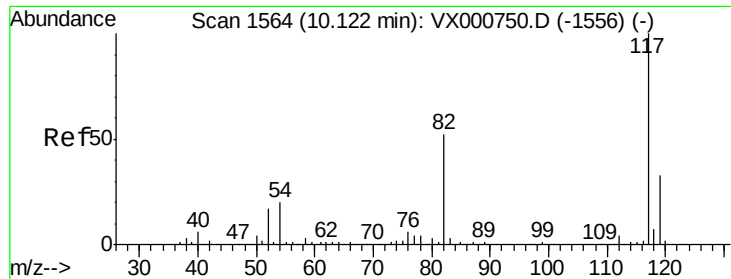


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX000897.D

Acq: 15 Apr 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#10 5X

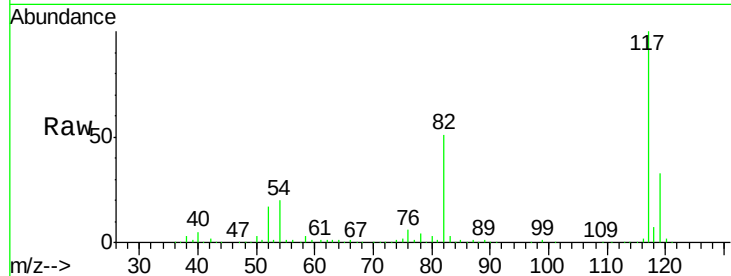
Tgt Ion:117 Resp: 346384

Ion Ratio Lower Upper

117 100

82 50.6 41.9 62.9

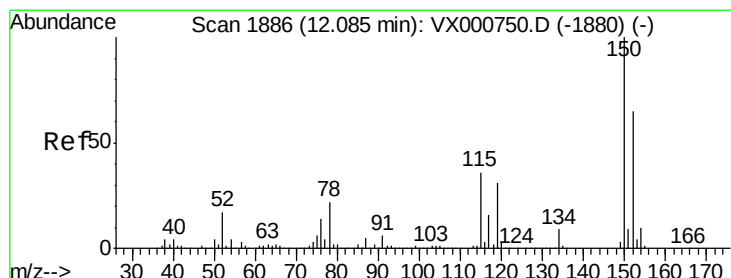
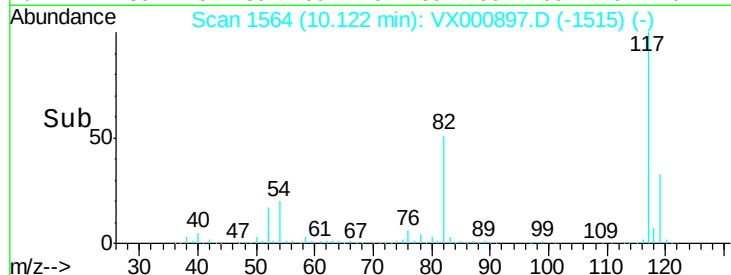
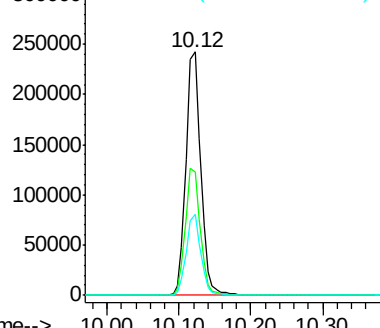
119 33.5 26.0 39.0



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: VX000897.D

Acq: 15 Apr 2018 15:20

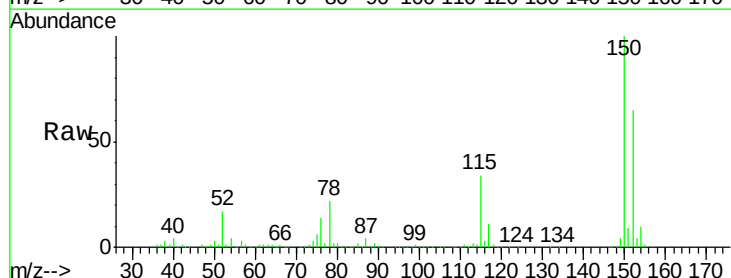
Tgt Ion:152 Resp: 233768

Ion Ratio Lower Upper

152 100

115 53.1 37.9 113.7

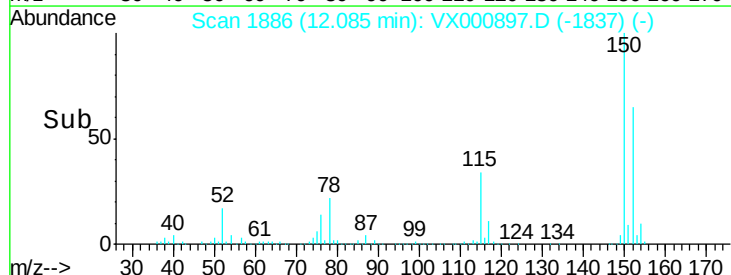
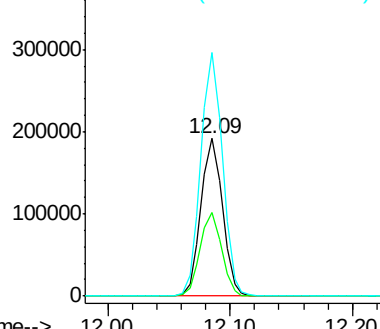
150 154.9 0.0 348.0

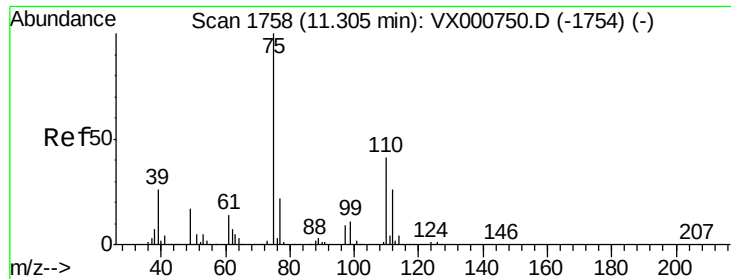


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

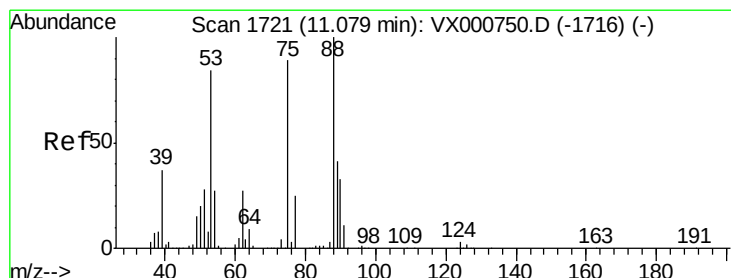
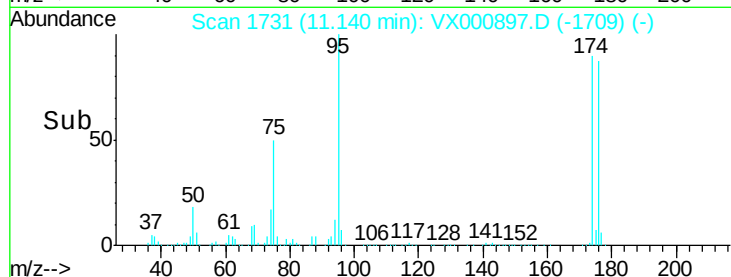
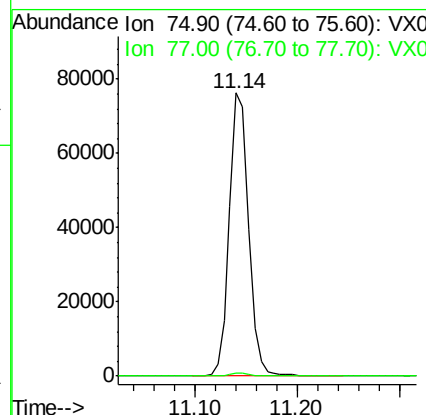
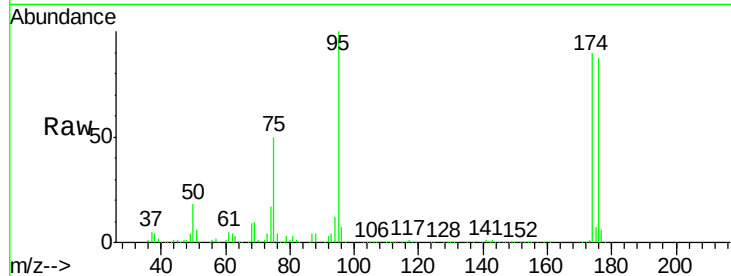




#76
 1,2,3-Trichloropropane
 Concen: 24.76 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000897.D
 Acq: 15 Apr 2018 15:20

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108205ZHE#10 5X

Tgt Ion: 75 Resp: 99809
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.10 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000897.D
 Acq: 15 Apr 2018 15:20

Tgt Ion: 75 Resp: 99809
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

