

Data File : VX000895.D
Acq On : 15 Apr 2018 14:29
Operator : JC/MD
Sample : ZHE-07 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108205ZHE#07 5X

Quant Time: Apr 16 07:38:04 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	274322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	373431	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	345929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	223984	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	164942	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
35) Dibromofluoromethane	5.51	113	132925	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
50) Toluene-d8	8.72	98	517805	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.14	95	198960	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	

Target Compounds				Qvalue		
5) Bromomethane	1.65	94	277	Below Cal		92
10) Methyl Iodide	2.53	142	217	8.32 ug/l #		71
15) Acrylonitrile	3.15	53	304	0.23 ug/l #		57
16) Acetone	2.45	43	2620	2.20 ug/l		98
18) Methyl Acetate	2.78	43	4547	1.47 ug/l		98
20) Methylene Chloride	2.86	84	1095	0.39 ug/l		98
29) Tetrahydrofuran	5.18	42	417	0.33 ug/l #		62
31) Cyclohexane	5.67	56	4553	1.00 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	16607	4.04 ug/l #		48
38) Carbon Tetrachloride	5.67	117	23653	5.14 ug/l #		15
76) 1,2,3-Trichloropropane	11.14	75	96971	25.10 ug/l #		36
81) trans-1,4-Dichloro-2-buten	11.14	75	96971	69.05 ug/l #		11

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

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PB108205ZHE#07 5X

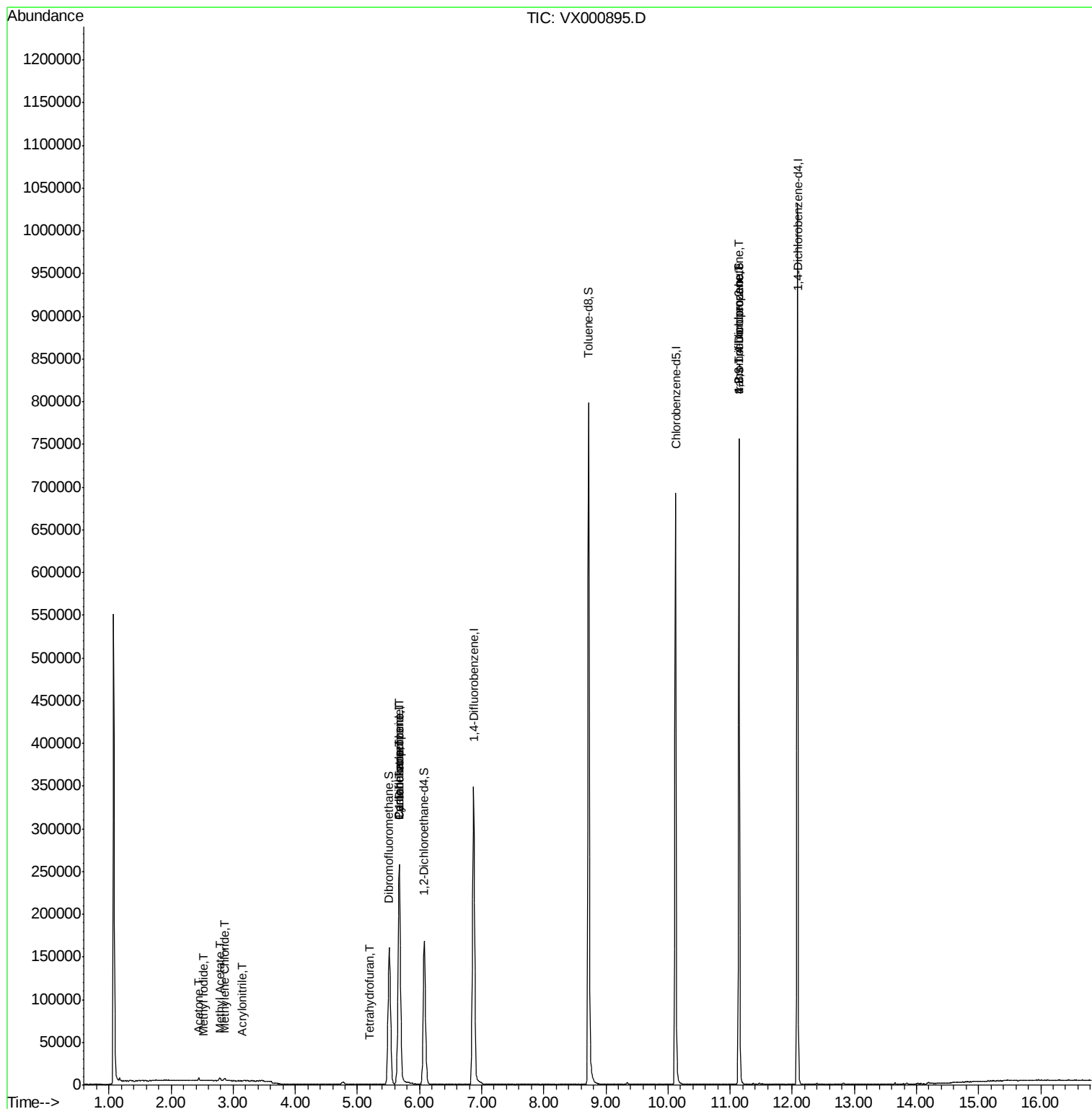
Quant Time: Apr 16 07:38:04 2018

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

Quant Title : SW846 8260

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

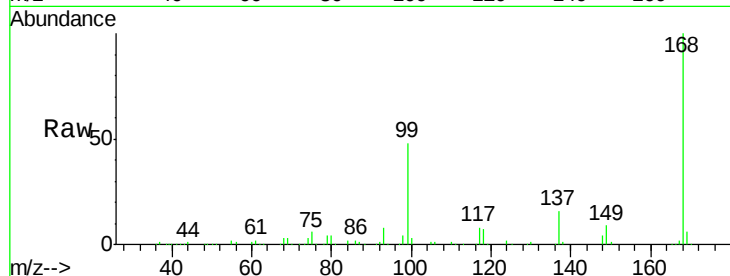
PB108205ZHE#07 5X

Tgt Ion:168 Resp: 274322

Ion Ratio Lower Upper

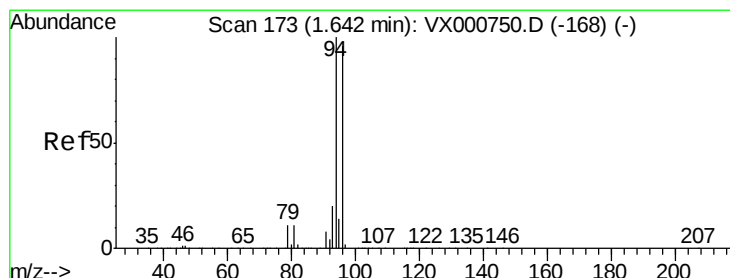
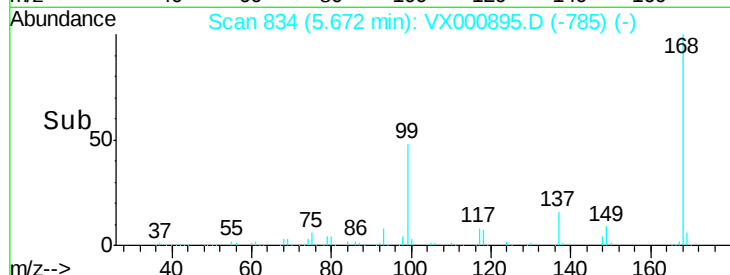
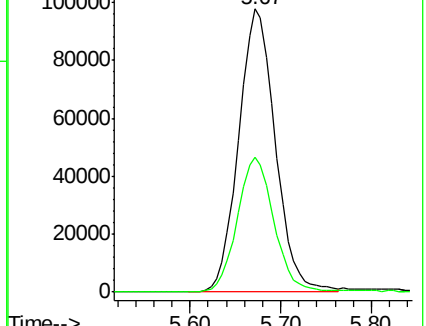
168 100

99 47.6 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: VX000895.D

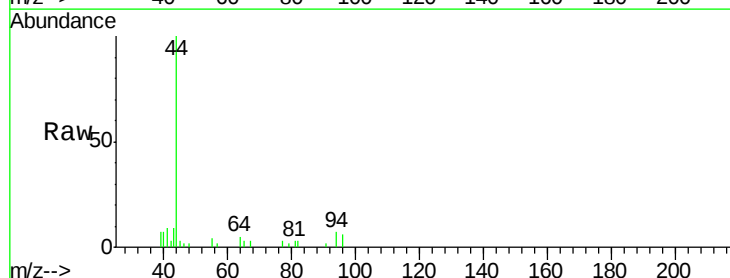
Acq: 15 Apr 2018 14:29

Tgt Ion: 94 Resp: 277

Ion Ratio Lower Upper

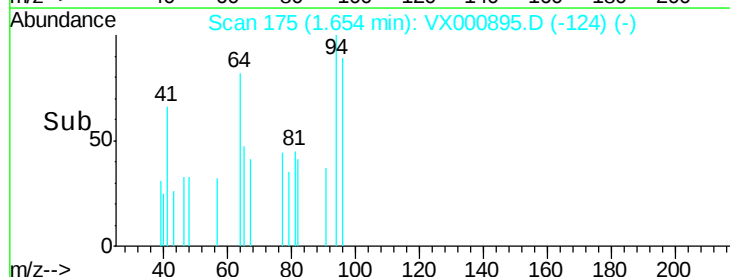
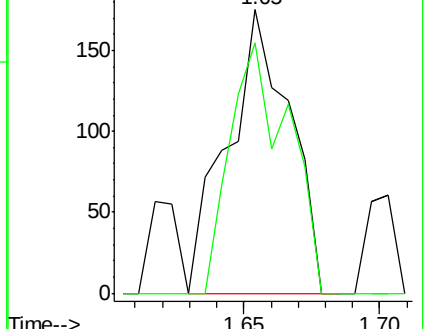
94 100

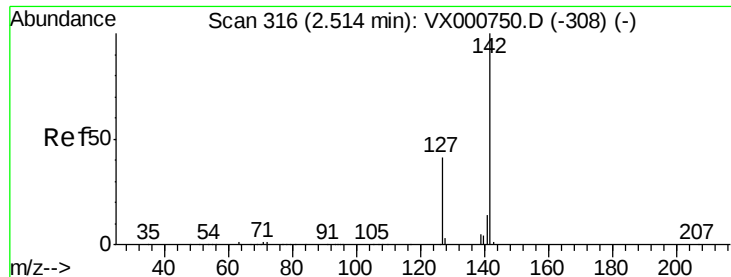
96 88.6 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

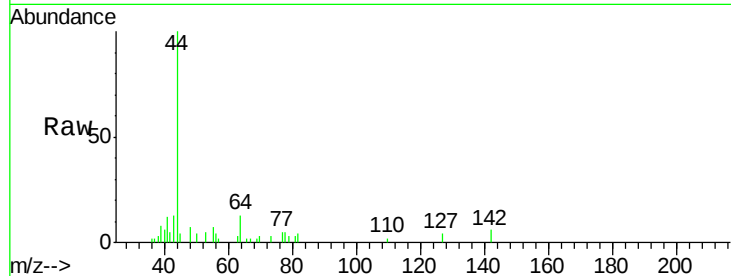




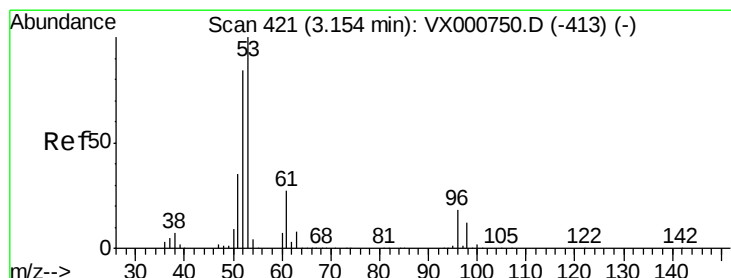
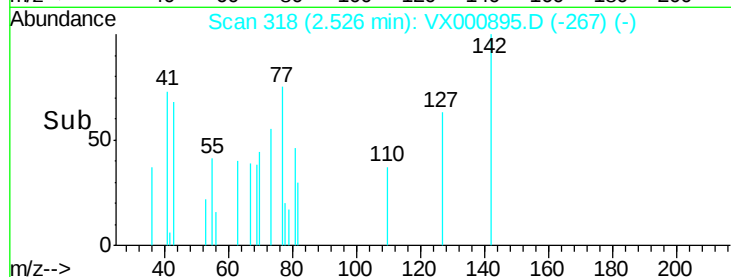
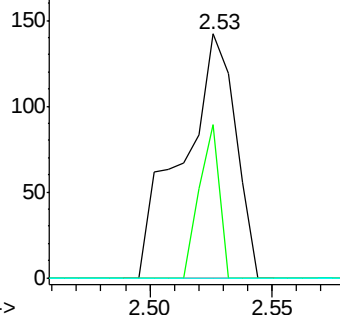
#10
Methyl Iodide
Concen: 8.32 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000895.D
Acq: 15 Apr 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
PB108205ZHE#07 5X

Tgt Ion:142 Resp: 217
Ion Ratio Lower Upper
142 100
127 24.0 32.6 49.0#
141 0.0 11.5 17.3#

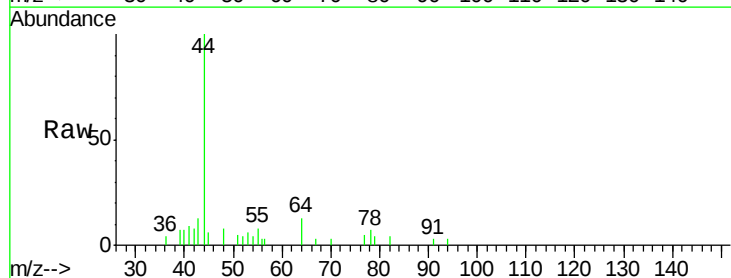


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

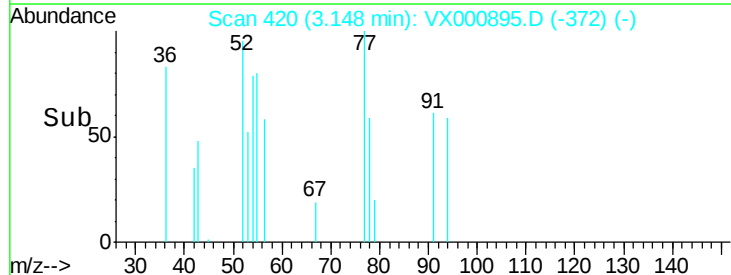
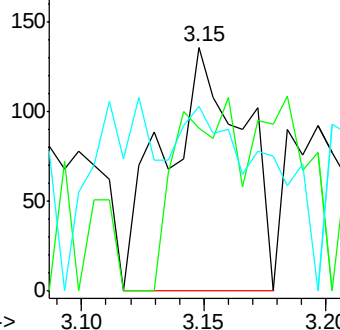


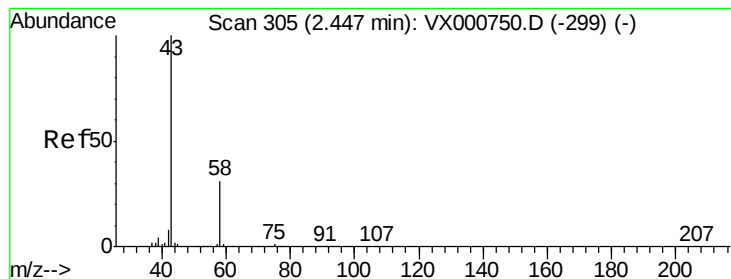
#15
Acrylonitrile
Concen: 0.23 ug/l
RT: 3.15 min Scan# 420
Delta R.T. -0.01 min
Lab File: VX000895.D
Acq: 15 Apr 2018 14:29

Tgt Ion: 53 Resp: 304
Ion Ratio Lower Upper
53 100
52 61.2 66.5 99.7#
51 86.8 28.8 43.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 2.20 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000895.D

Acq: 15 Apr 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

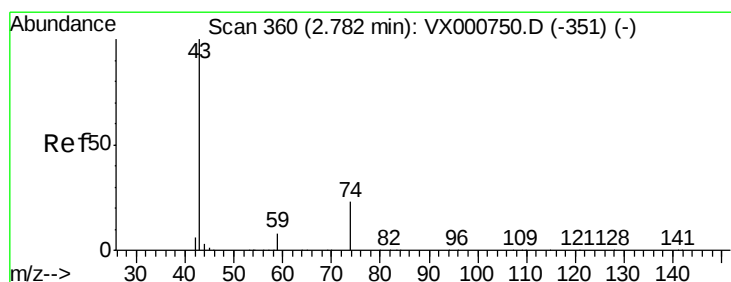
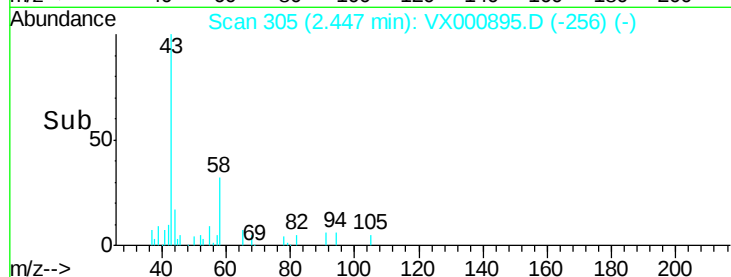
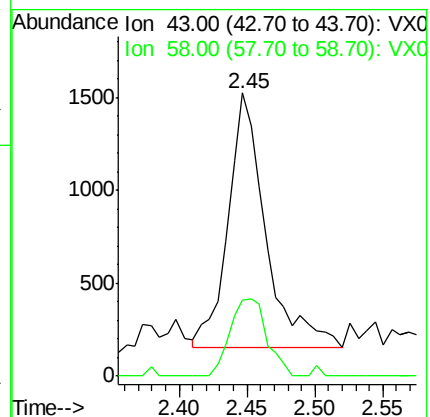
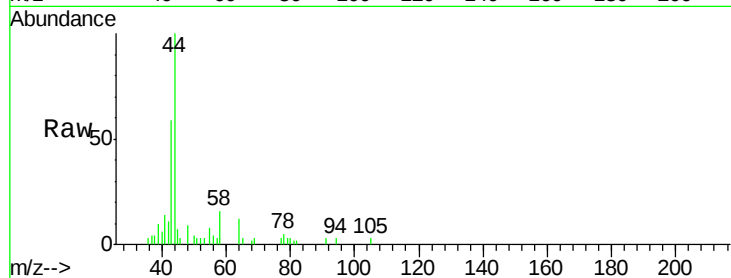
PB108205ZHE#07 5X

Tgt Ion: 43 Resp: 2620

Ion Ratio Lower Upper

43 100

58 29.9 24.6 37.0



#18

Methyl Acetate

Concen: 1.47 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX000895.D

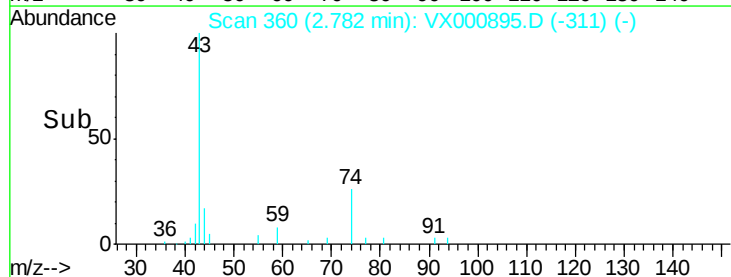
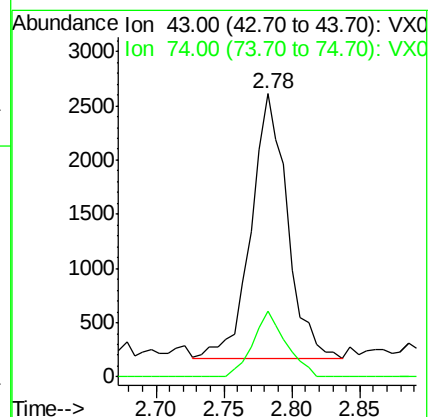
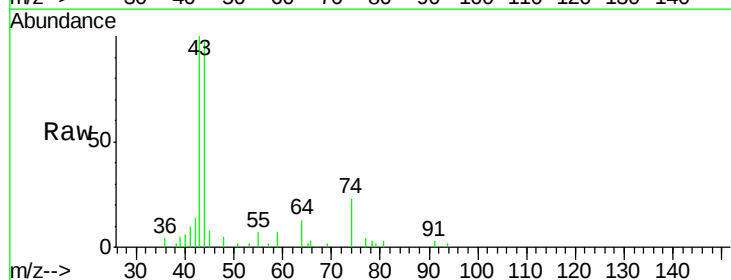
Acq: 15 Apr 2018 14:29

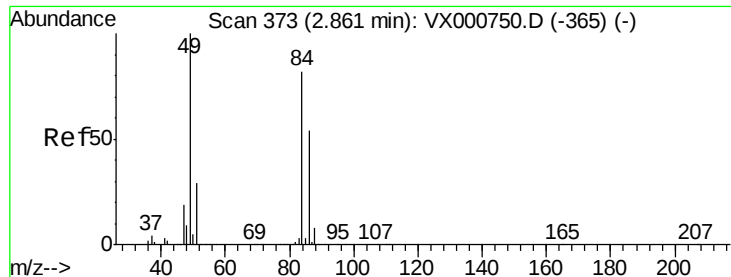
Tgt Ion: 43 Resp: 4547

Ion Ratio Lower Upper

43 100

74 22.9 19.1 28.7

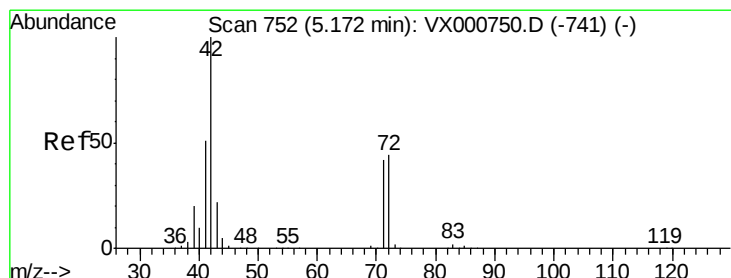
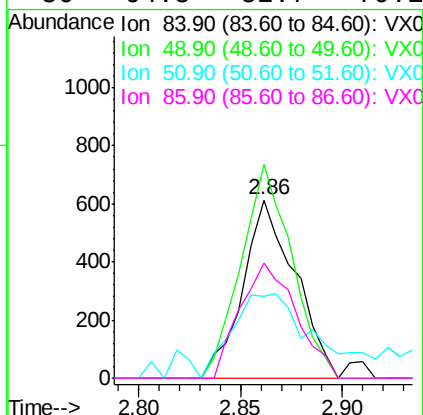
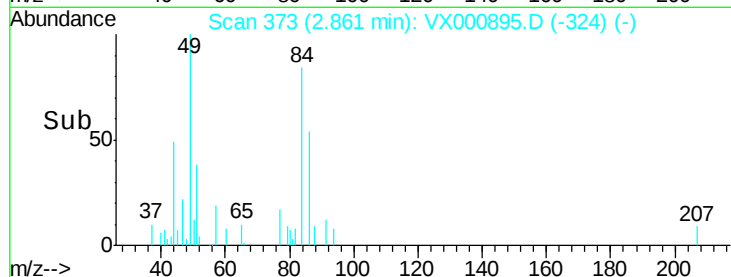
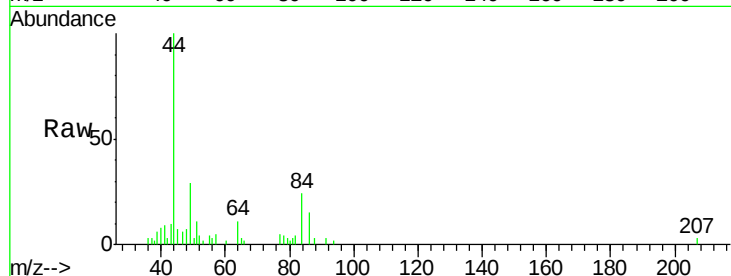




#20
Methylene Chloride
Concen: 0.39 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000895.D
Acq: 15 Apr 2018 14:29

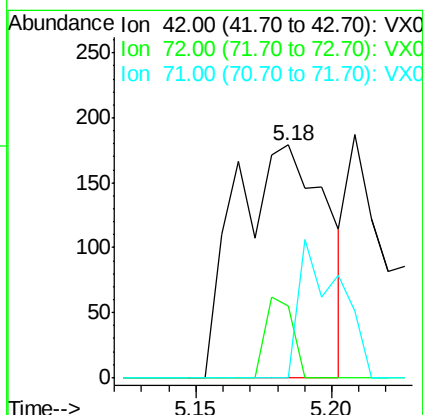
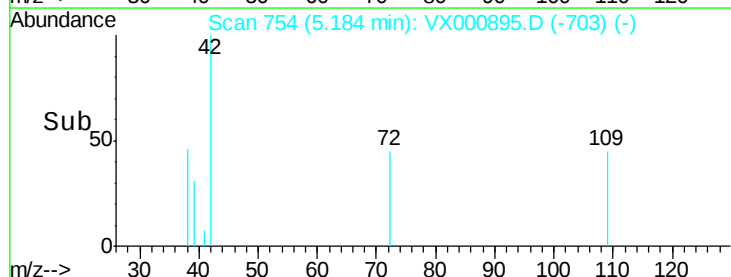
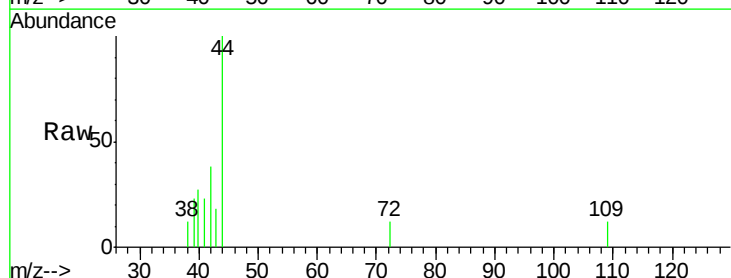
Instrument :
MSVOA_X
ClientSampleId :
PB108205ZHE#07 5X

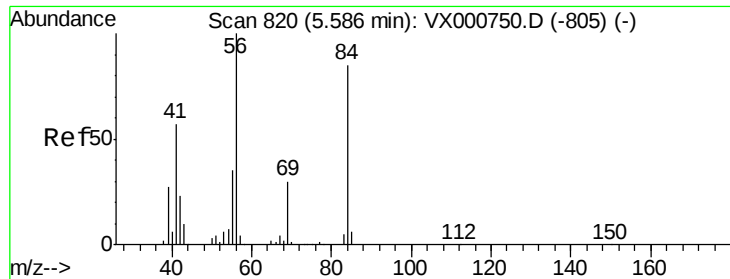
Tgt Ion:	84	Resp:	1095
Ion	Ratio	Lower	Upper
84	100		
49	119.7	98.1	147.1
51	35.0	28.9	43.3
86	64.5	52.7	79.1



#29
Tetrahydrofuran
Concen: 0.33 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000895.D
Acq: 15 Apr 2018 14:29

Tgt Ion:	42	Resp:	417
Ion	Ratio	Lower	Upper
42	100		
72	10.3	35.1	52.7#
71	26.1	32.8	49.2#

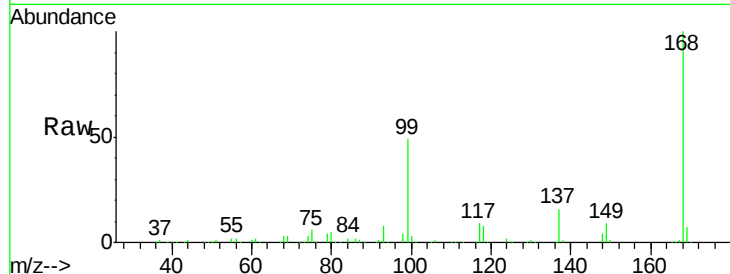




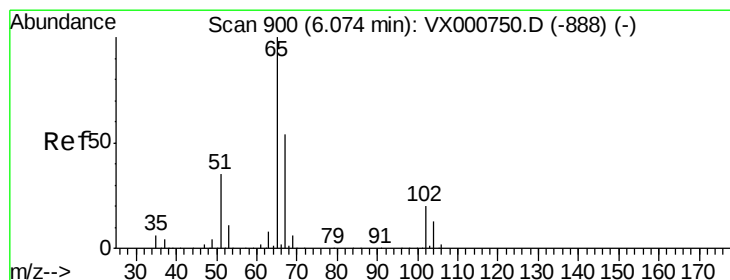
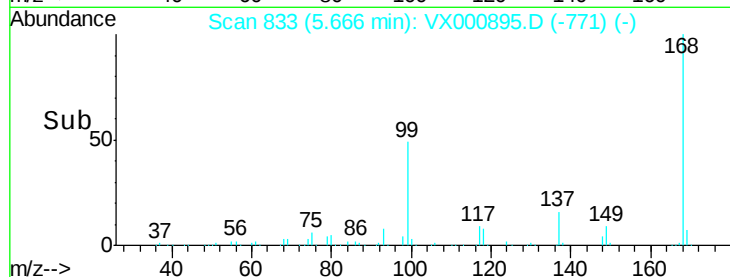
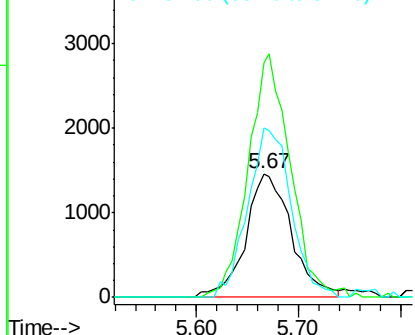
#31
Cyclohexane
Concen: 1.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.08 min
Lab File: VX000895.D
Acq: 15 Apr 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
PB108205ZHE#07 5X

Tgt Ion: 56 Resp: 4553
Ion Ratio Lower Upper
56 100
69 190.1 24.2 36.4#
84 137.4 67.6 101.4#

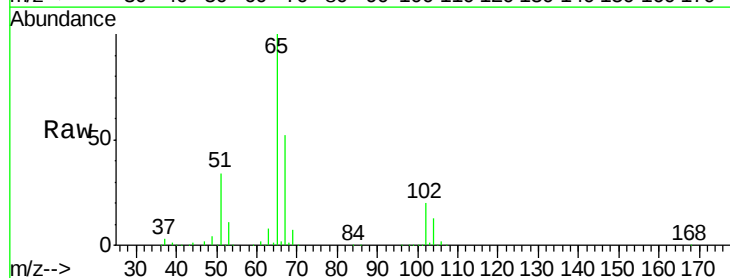


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

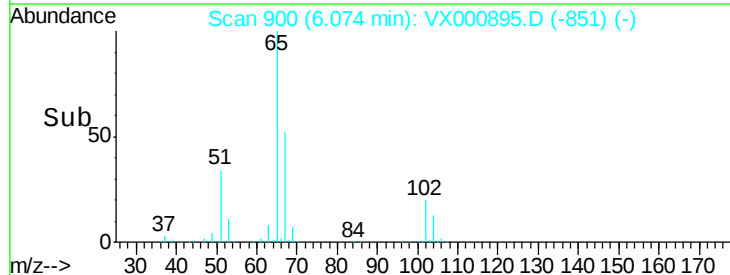
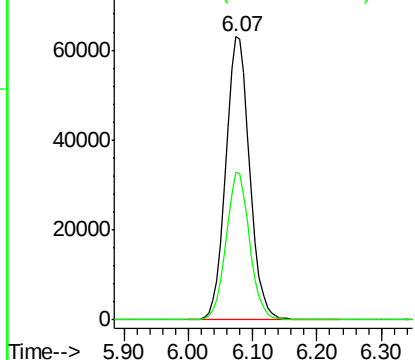


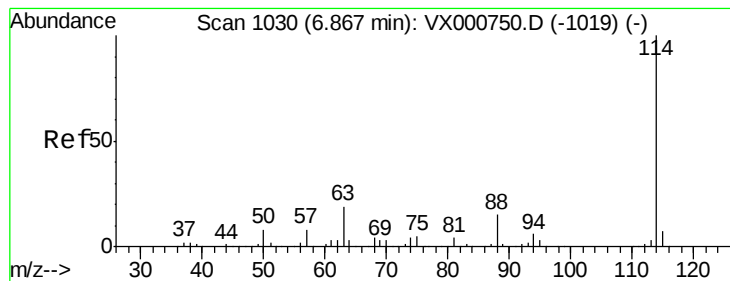
#33
1,2-Dichloroethane-d4
Concen: 47.69 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX000895.D
Acq: 15 Apr 2018 14:29

Tgt Ion: 65 Resp: 164942
Ion Ratio Lower Upper
65 100
67 51.4 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: VX000895.D

Acq: 15 Apr 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#07 5X

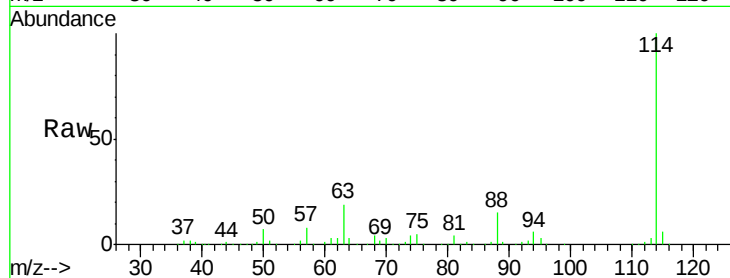
Tgt Ion:114 Resp: 373431

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

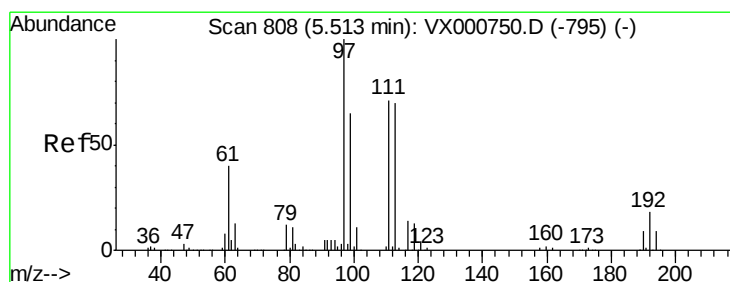
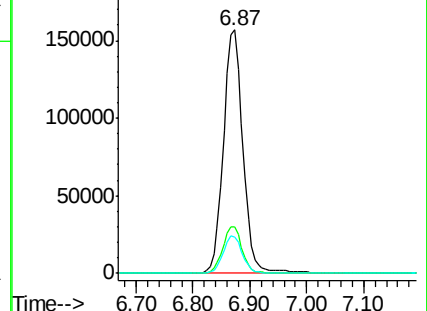
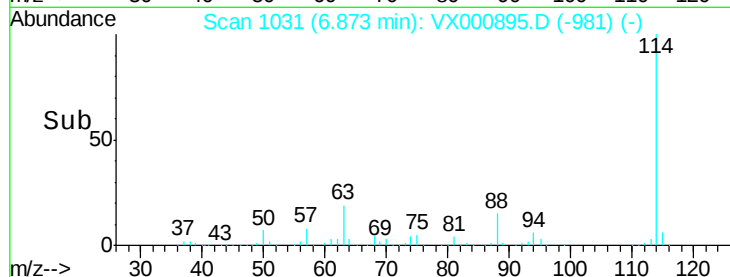
88 15.1 0.0 31.0



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: 46.20 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX000895.D

Acq: 15 Apr 2018 14:29

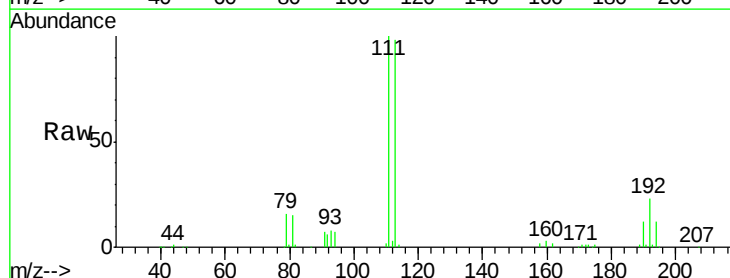
Tgt Ion:113 Resp: 132925

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

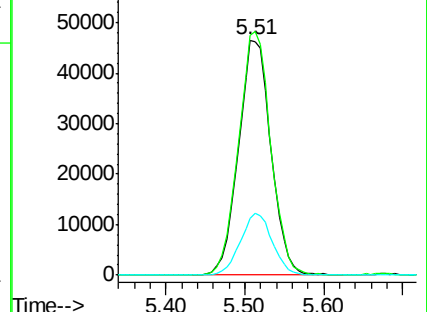
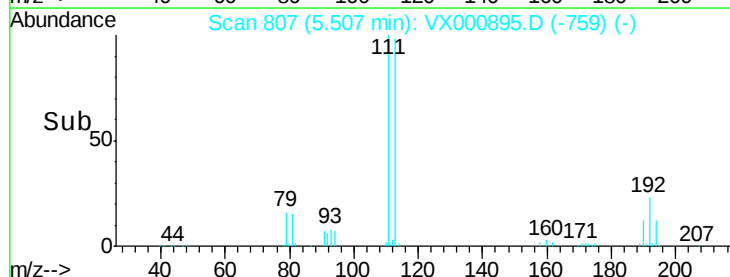
192 25.9 20.4 30.6

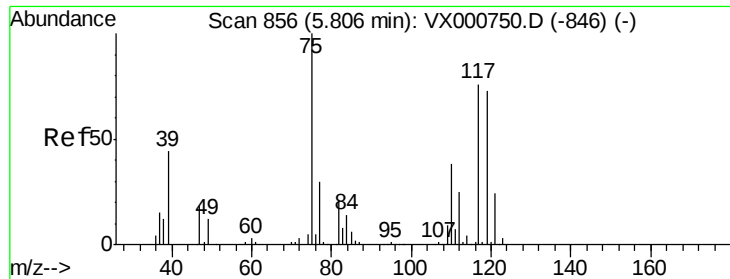


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

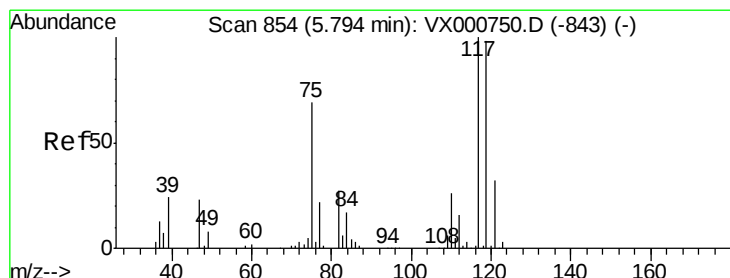
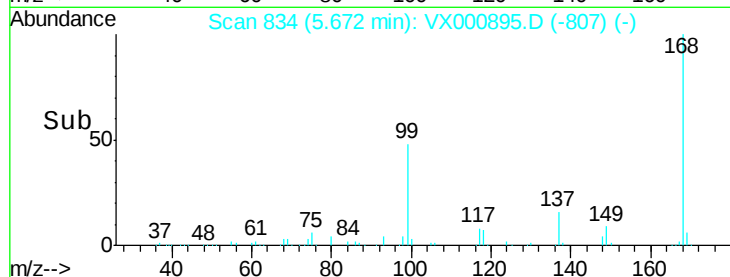
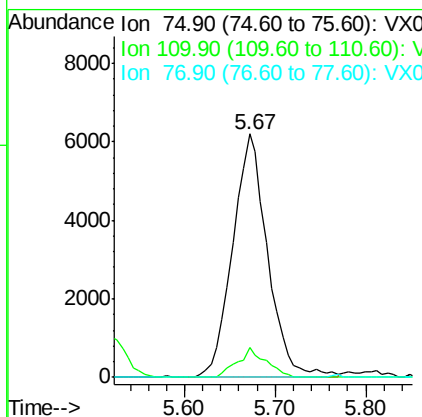
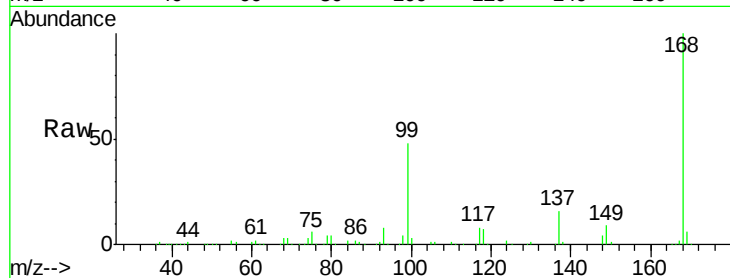




#36
 1,1-Dichloropropene
 Concen: 4.04 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000895.D
 Acq: 15 Apr 2018 14:29

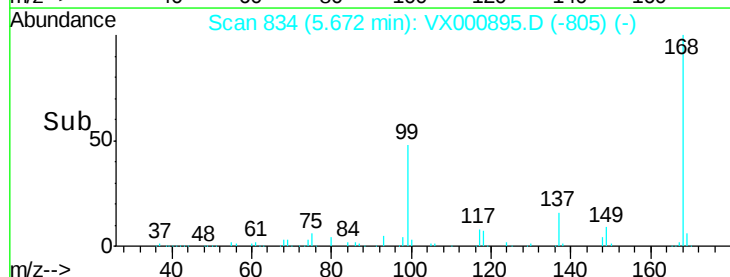
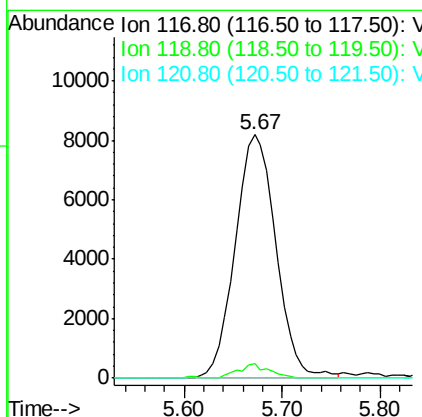
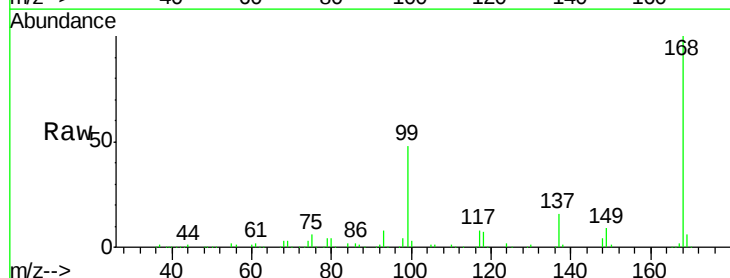
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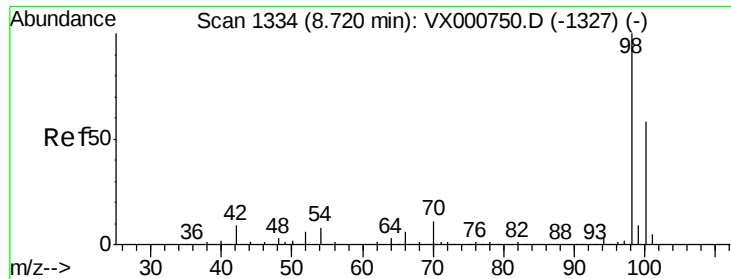
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.2	57.6#
77	0.0	25.4	38.2#



#38
 Carbon Tetrachloride
 Concen: 5.14 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000895.D
 Acq: 15 Apr 2018 14:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	78.4	117.6#
121	0.0	25.4	38.0#





#50

Toluene-d8

Concen: 48.34 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000895.D

Acq: 15 Apr 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

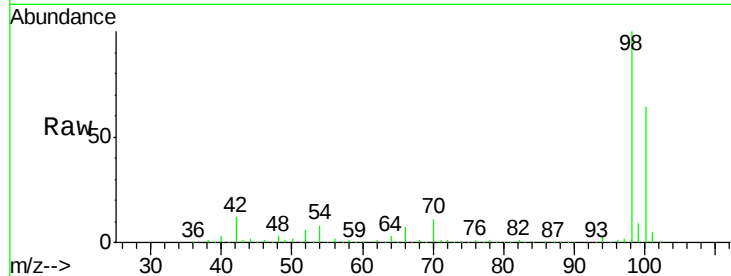
PB108205ZHE#07 5X

Tgt Ion: 98 Resp: 517805

Ion Ratio Lower Upper

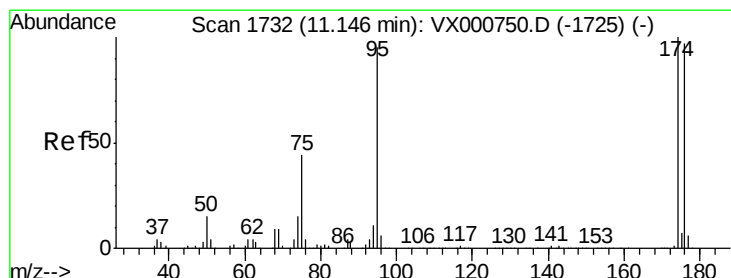
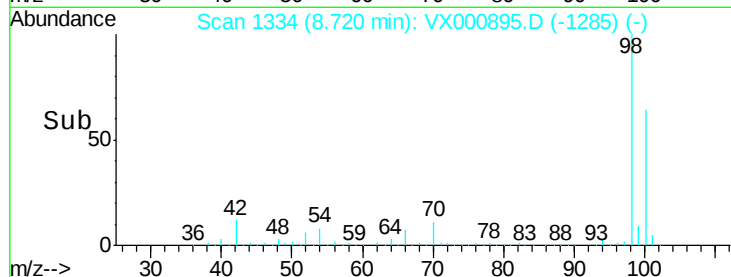
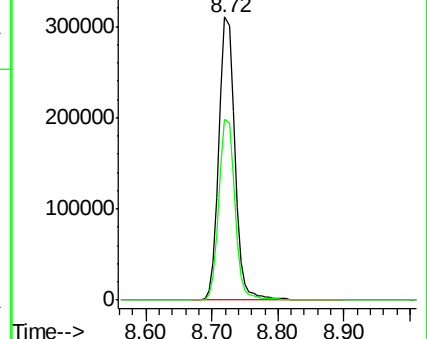
98 100

100 64.3 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: 44.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000895.D

Acq: 15 Apr 2018 14:29

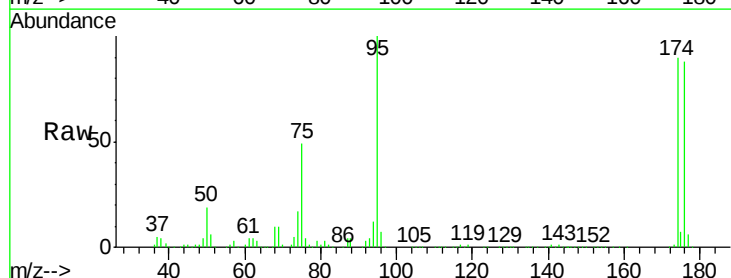
Tgt Ion: 95 Resp: 198960

Ion Ratio Lower Upper

95 100

174 98.8 0.0 198.4

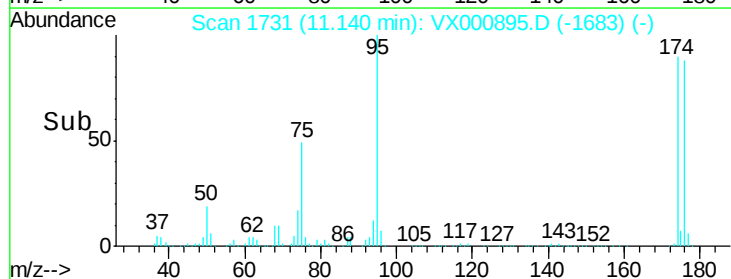
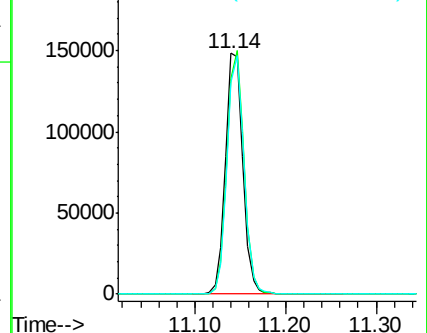
176 96.7 0.0 194.4

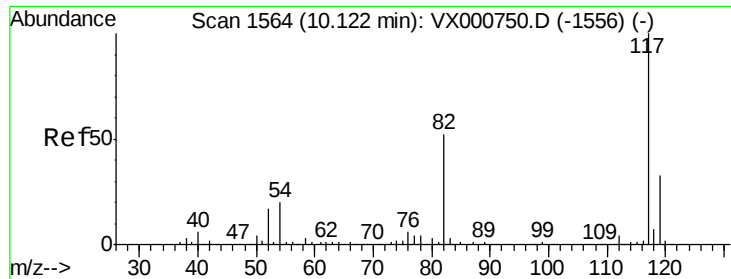


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX000895.D

Acq: 15 Apr 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#07 5X

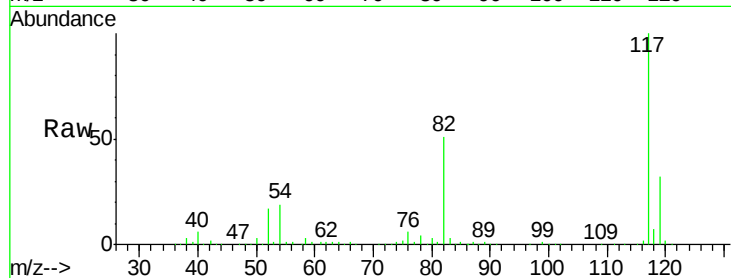
Tgt Ion:117 Resp: 345929

Ion Ratio Lower Upper

117 100

82 51.2 41.9 62.9

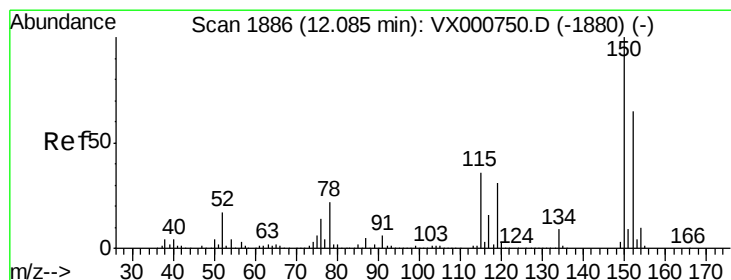
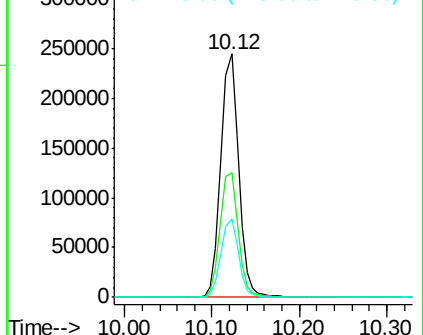
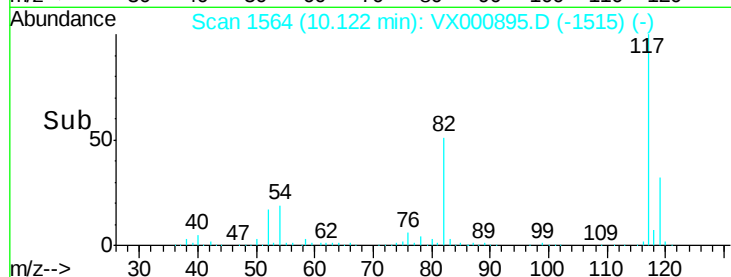
119 32.3 26.0 39.0



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: VX000895.D

Acq: 15 Apr 2018 14:29

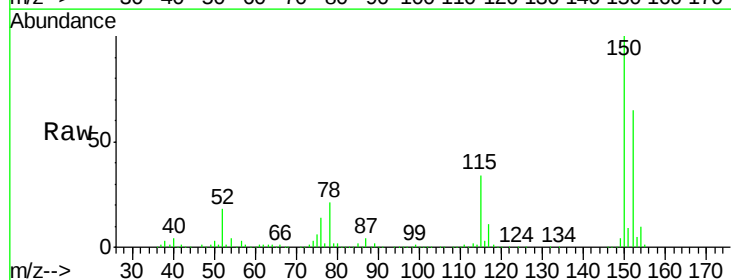
Tgt Ion:152 Resp: 223984

Ion Ratio Lower Upper

152 100

115 53.1 37.9 113.7

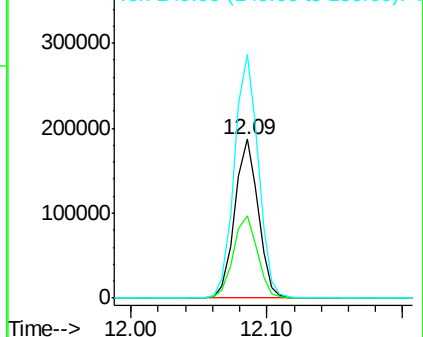
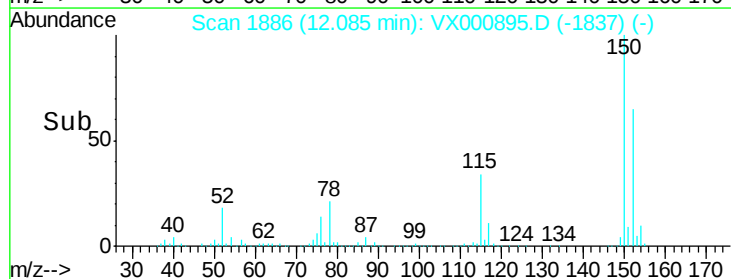
150 156.0 0.0 348.0

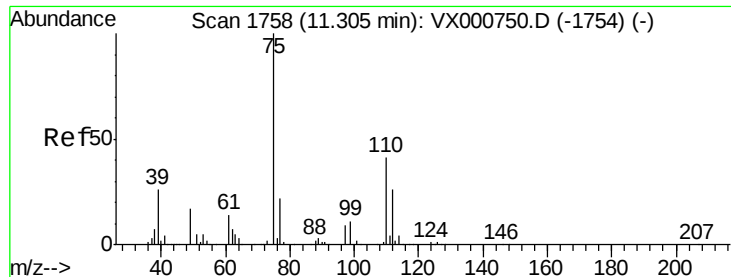


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

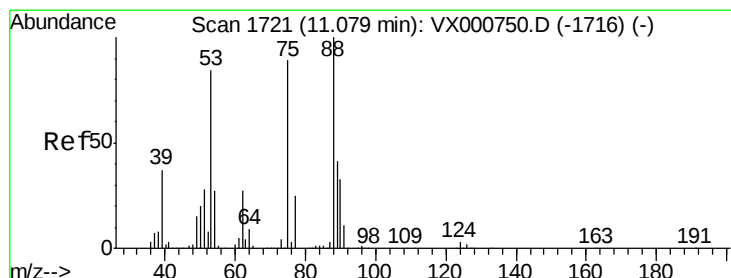
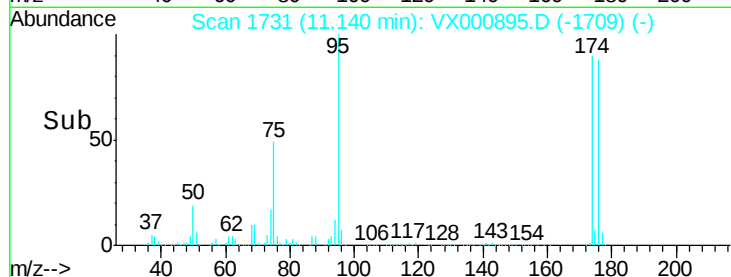
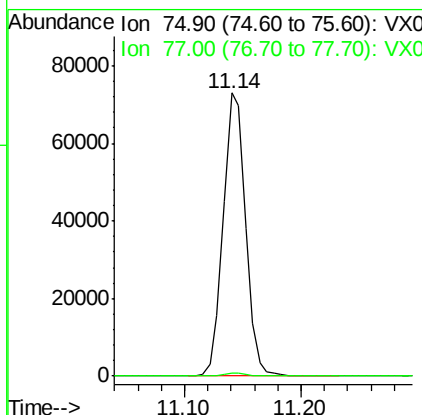
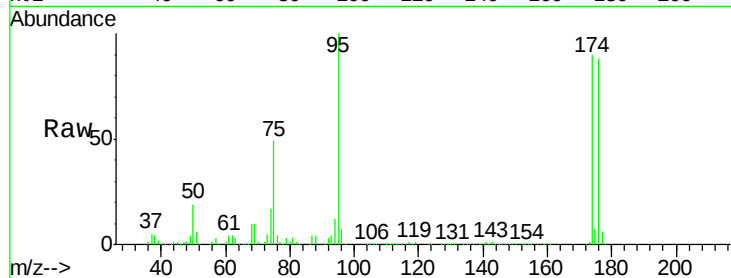




#76
 1,2,3-Trichloropropane
 Concen: 25.10 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000895.D
 Acq: 15 Apr 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108205ZHE#07 5X

Tgt Ion: 75 Resp: 96971
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.05 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000895.D
 Acq: 15 Apr 2018 14:29

Tgt Ion: 75 Resp: 96971
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

