

Data File : VX000893.D
Acq On : 15 Apr 2018 13:38
Operator : JC/MD
Sample : ZHE-04 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108205ZHE#04 5X

Quant Time: Apr 16 07:37:35 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	275556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	372471	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	347084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	226227	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	162759	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
35) Dibromofluoromethane	5.51	113	133103	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
50) Toluene-d8	8.72	98	521334	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	11.14	95	201043	45.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.96%	

Target Compounds				Qvalue		
5) Bromomethane	1.65	94	454	Below Cal		95
6) Chloroethane	1.68	64	1099	0.60 ug/l	#	43
10) Methyl Iodide	2.52	142	225	8.32 ug/l	#	87
13) Acrolein	2.31	56	161	0.54 ug/l	#	64
16) Acetone	2.45	43	2614	2.18 ug/l		98
18) Methyl Acetate	2.78	43	4262	1.37 ug/l		100
20) Methylene Chloride	2.86	84	1187	0.43 ug/l	#	87
25) 2-Butanone	4.73	43	615	0.31 ug/l	#	50
31) Cyclohexane	5.67	56	4714	1.03 ug/l	#	1
38) Carbon Tetrachloride	5.67	117	23907	5.21 ug/l	#	15
76) 1,2,3-Trichloropropane	11.14	75	99191	25.42 ug/l	#	36
81) trans-1,4-Dichloro-2-buten	11.14	75	99191	69.94 ug/l	#	11

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

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Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#04 5X

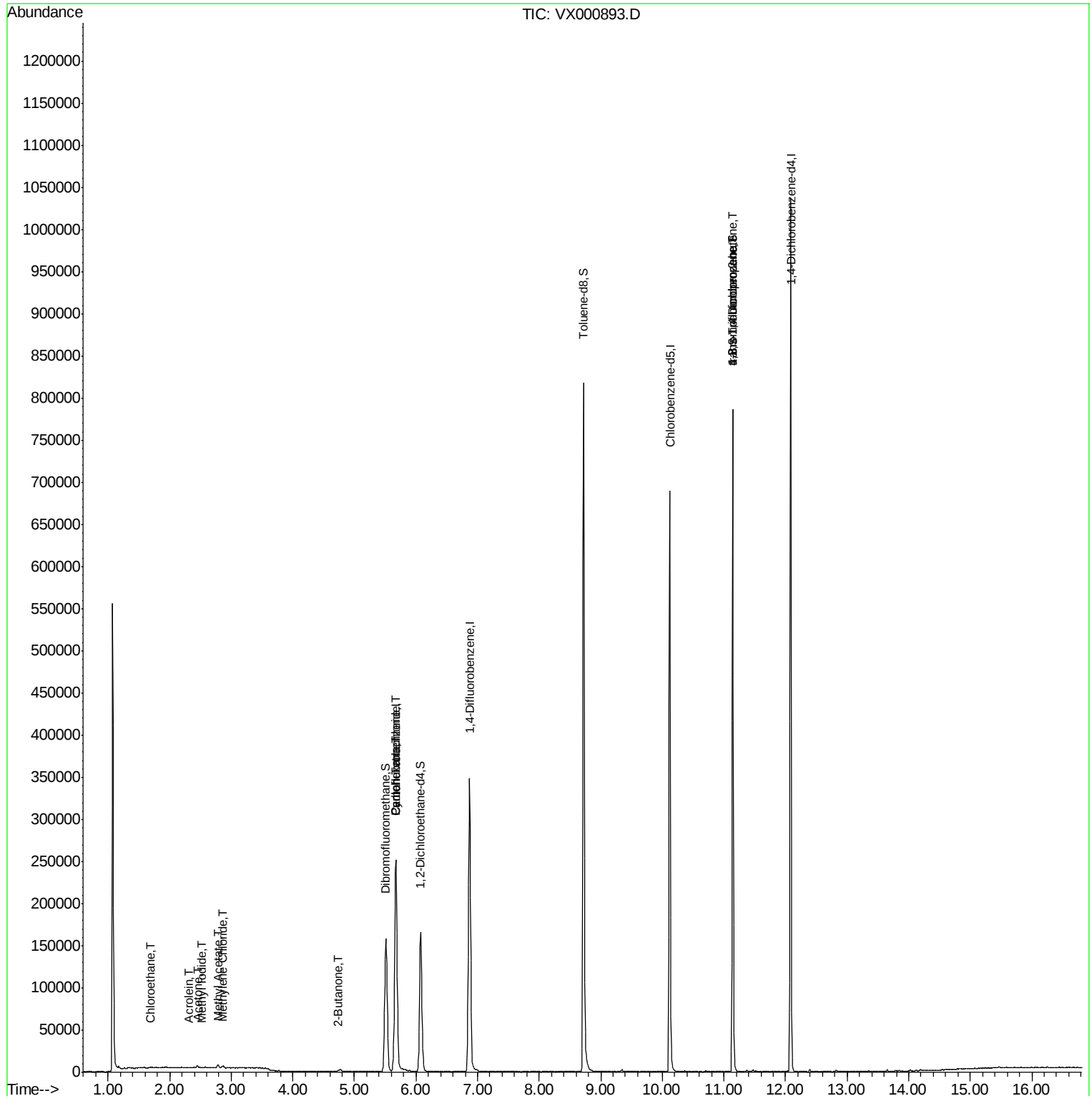
Quant Time: Apr 16 07:37:35 2018

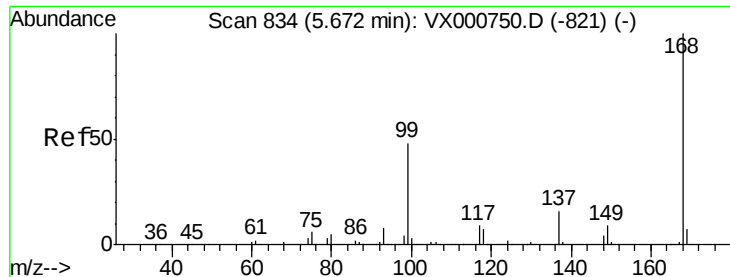
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M

Quant Title : SW846 8260

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

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000893.D

Acq: 15 Apr 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

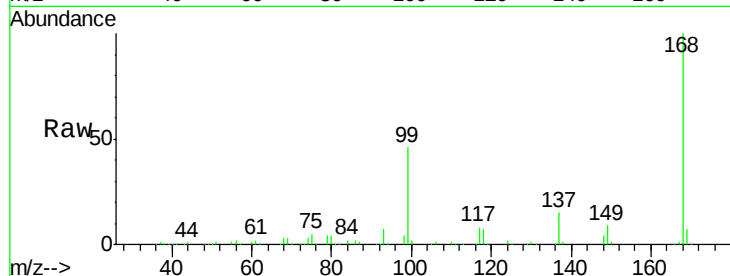
PB108205ZHE#04 5X

Tgt Ion:168 Resp: 275556

Ion Ratio Lower Upper

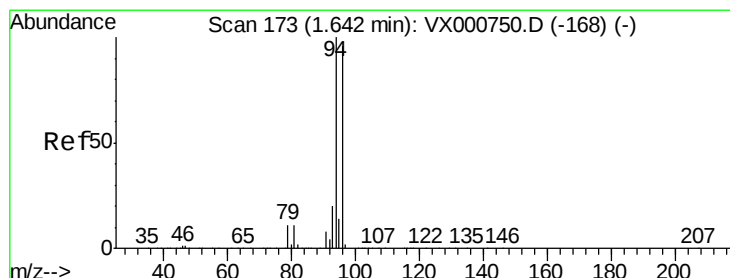
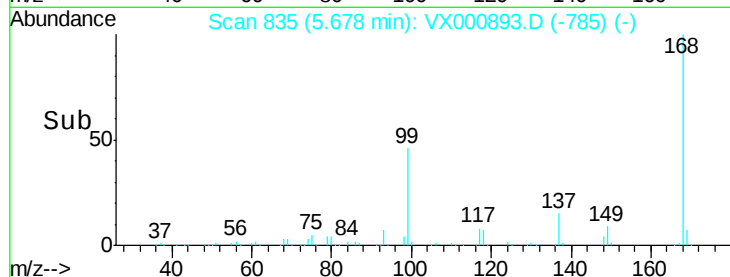
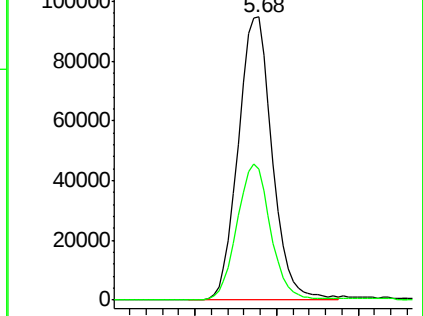
168 100

99 46.5 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000893.D

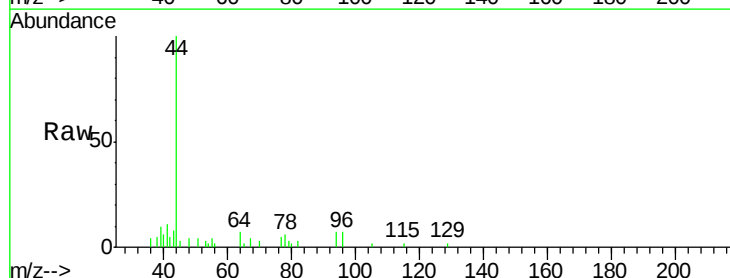
Acq: 15 Apr 2018 13:38

Tgt Ion: 94 Resp: 454

Ion Ratio Lower Upper

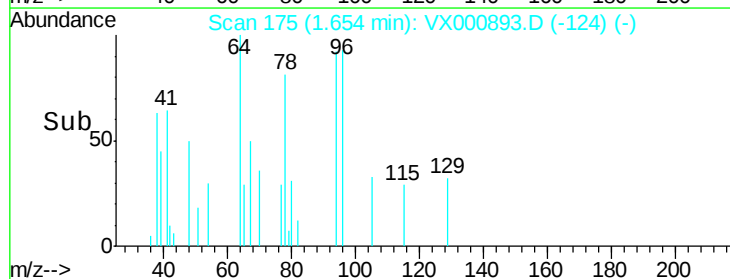
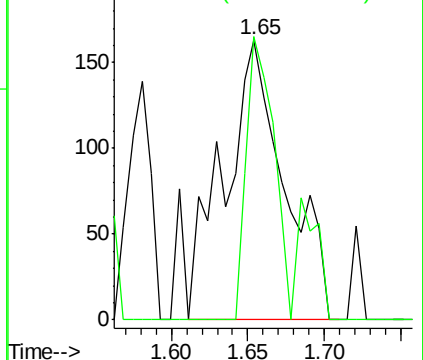
94 100

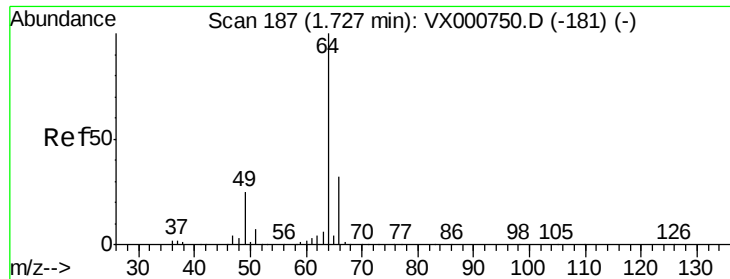
96 101.2 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.60 ug/l

RT: 1.68 min Scan# 180

Delta R.T. -0.04 min

Lab File: VX000893.D

Acq: 15 Apr 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

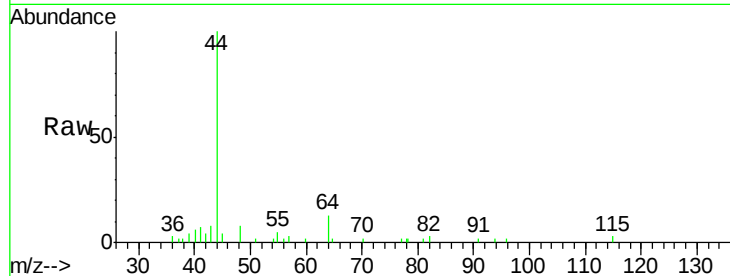
PB108205ZHE#04 5X

Tgt Ion: 64 Resp: 1099

Ion Ratio Lower Upper

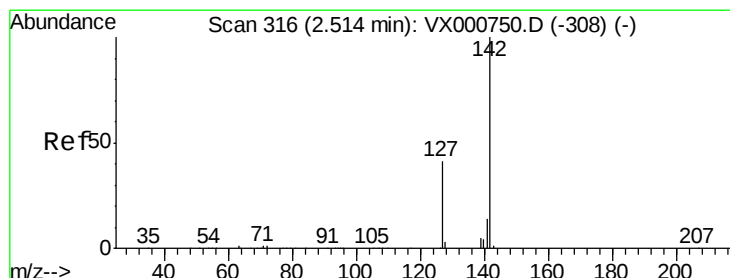
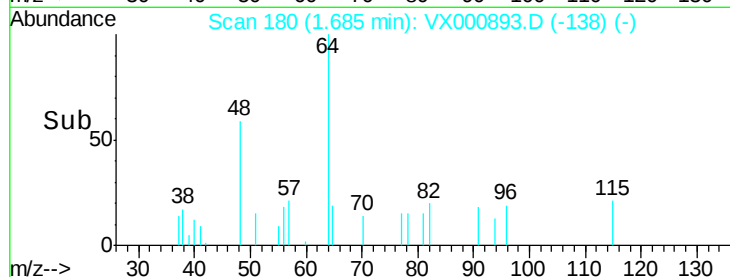
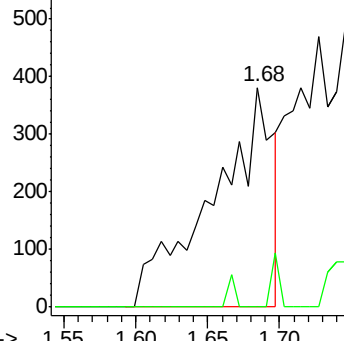
64 100

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: 8.32 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000893.D

Acq: 15 Apr 2018 13:38

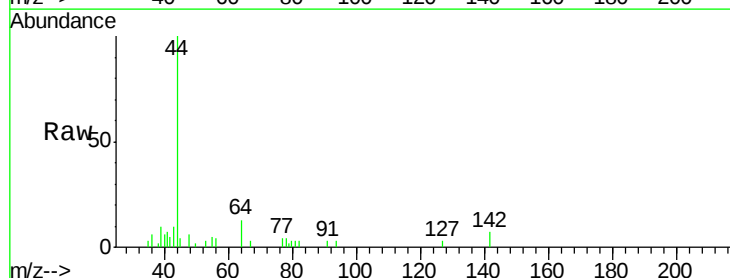
Tgt Ion: 142 Resp: 225

Ion Ratio Lower Upper

142 100

127 44.4 32.6 49.0

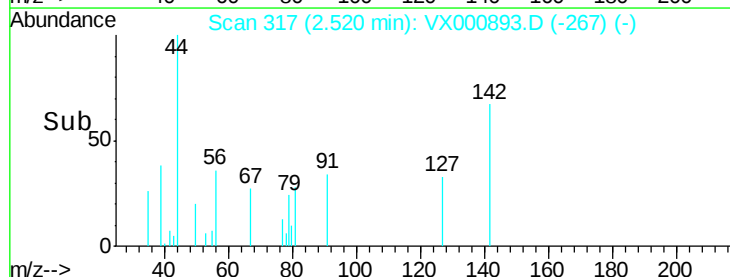
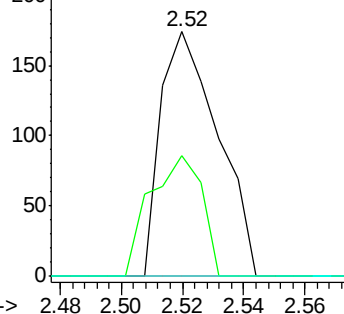
141 0.0 11.5 17.3#

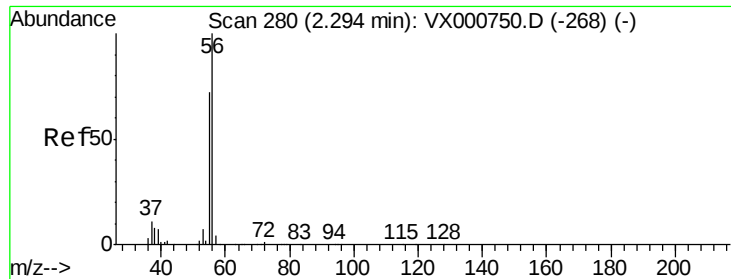


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.54 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.02 min

Lab File: VX000893.D

Acq: 15 Apr 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

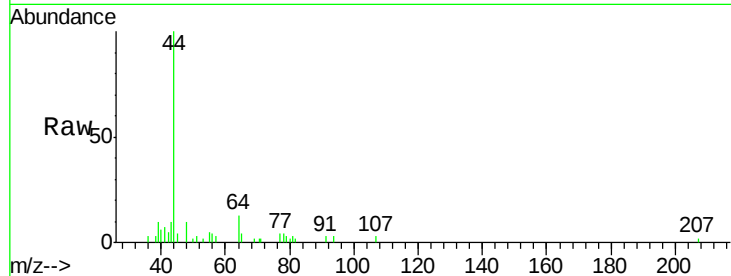
PB108205ZHE#04 5X

Tgt Ion: 56 Resp: 161

Ion Ratio Lower Upper

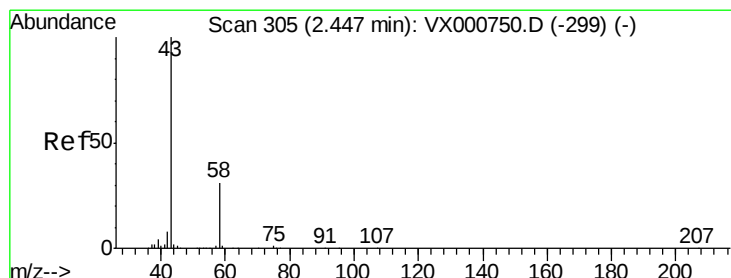
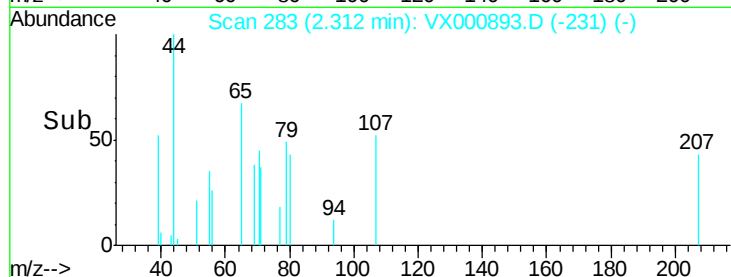
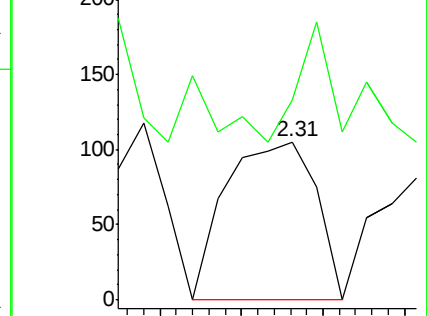
56 100

55 43.5 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.18 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000893.D

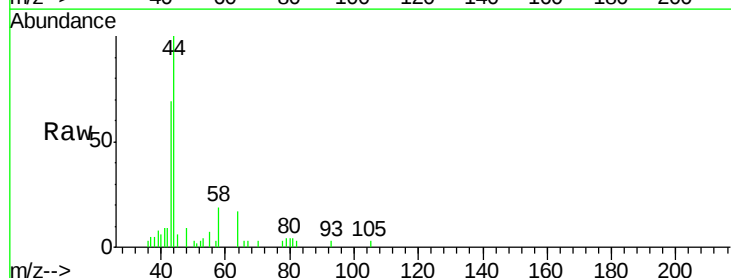
Acq: 15 Apr 2018 13:38

Tgt Ion: 43 Resp: 2614

Ion Ratio Lower Upper

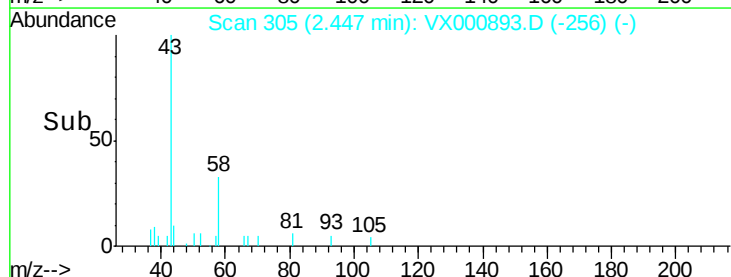
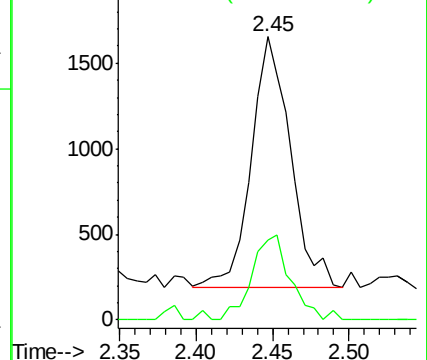
43 100

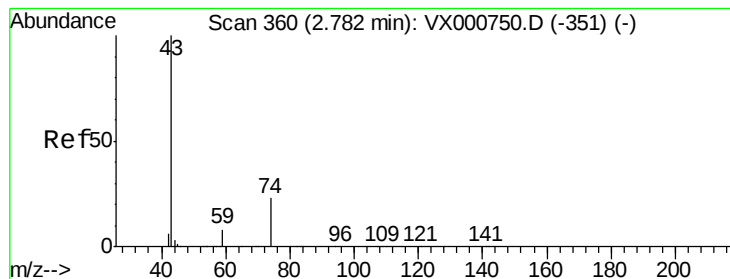
58 31.6 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methyl Acetate

Concen: 1.37 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX000893.D

Acq: 15 Apr 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

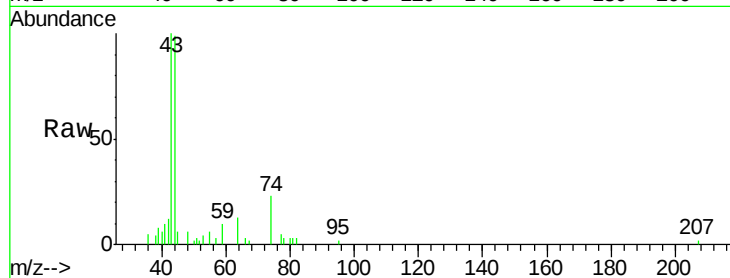
PB108205ZHE#04 5X

Tgt Ion: 43 Resp: 4262

Ion Ratio Lower Upper

43 100

74 23.8 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

2500

2000

1500

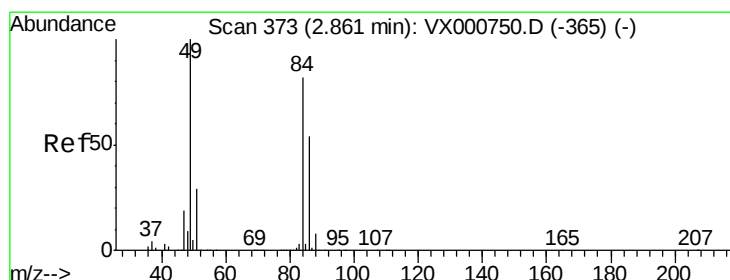
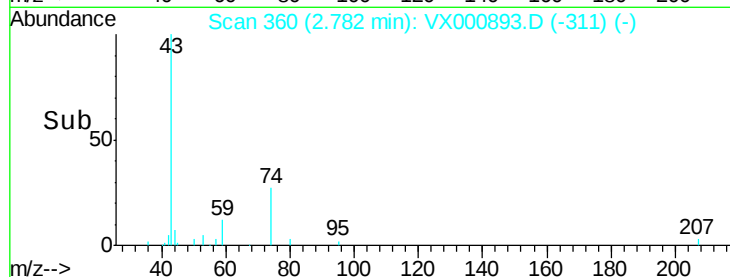
1000

500

0

2.70 2.75 2.80 2.85

Time-->



#20

Methylene Chloride

Concen: 0.43 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000893.D

Acq: 15 Apr 2018 13:38

Tgt Ion: 84 Resp: 1187

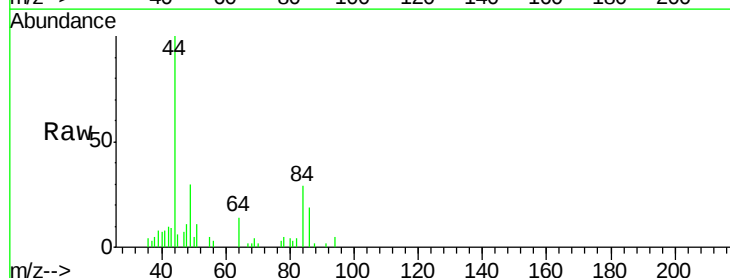
Ion Ratio Lower Upper

84 100

49 103.3 98.1 147.1

51 24.5 28.9 43.3#

86 64.1 52.7 79.1



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

1000

800

600

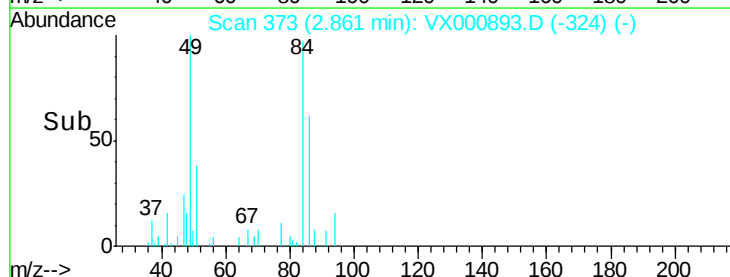
400

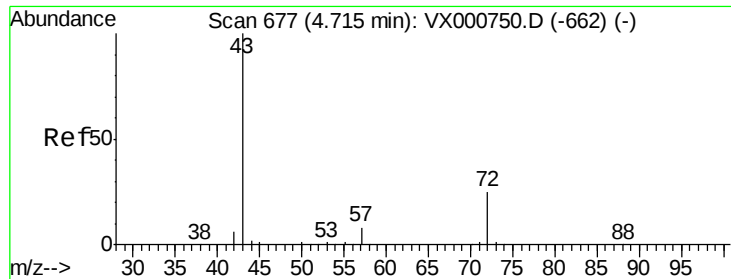
200

0

2.80 2.85 2.90

Time-->





#25

2-Butanone

Concen: 0.31 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000893.D

Acq: 15 Apr 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

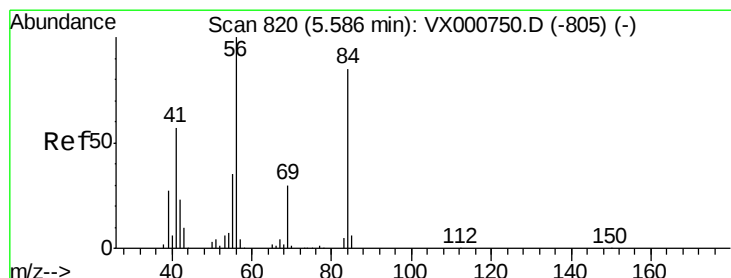
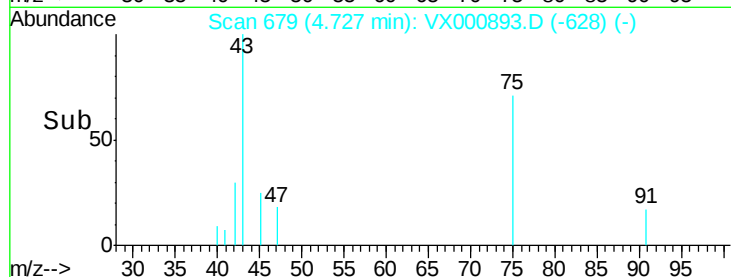
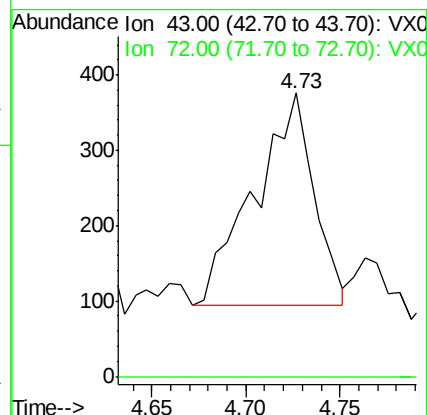
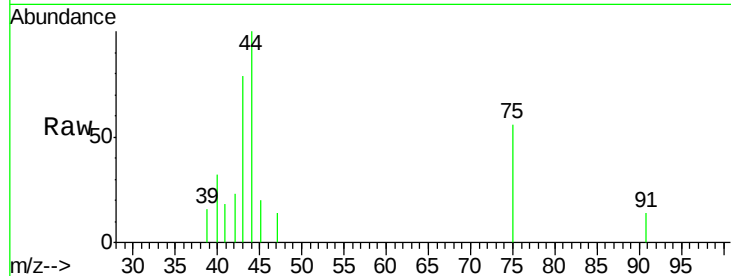
PB108205ZHE#04 5X

Tgt Ion: 43 Resp: 615

Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#



#31

Cyclohexane

Concen: 1.03 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX000893.D

Acq: 15 Apr 2018 13:38

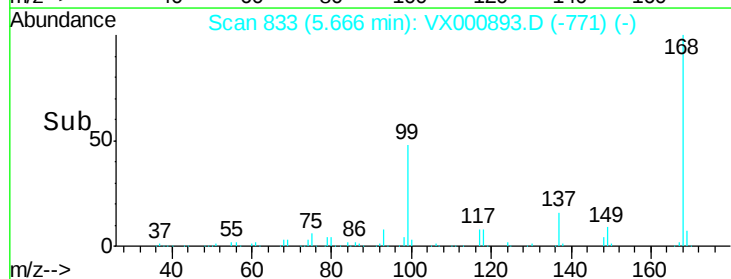
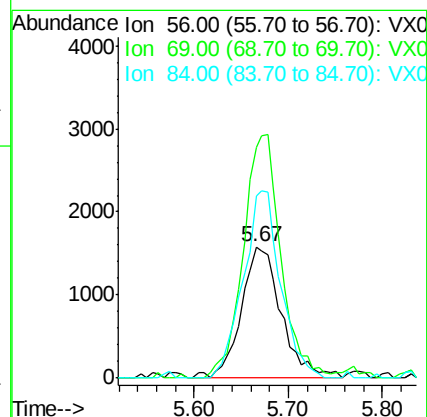
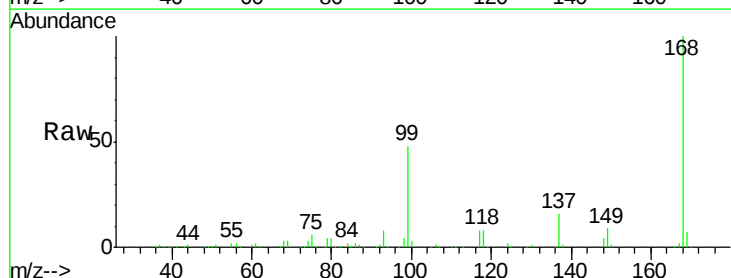
Tgt Ion: 56 Resp: 4714

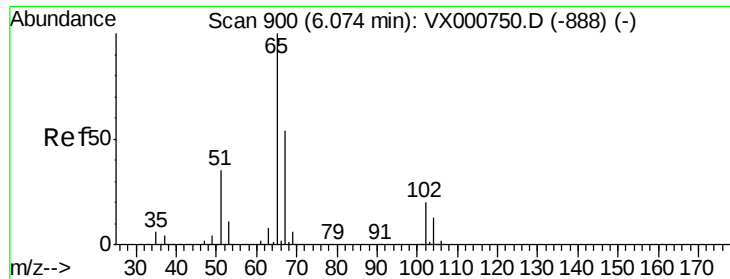
Ion Ratio Lower Upper

56 100

69 175.9 24.2 36.4#

84 144.6 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 46.84 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000893.D

Acq: 15 Apr 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

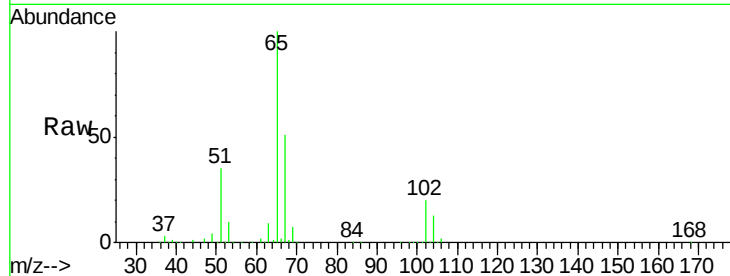
PB108205ZHE#04 5X

Tgt Ion: 65 Resp: 162759

Ion Ratio Lower Upper

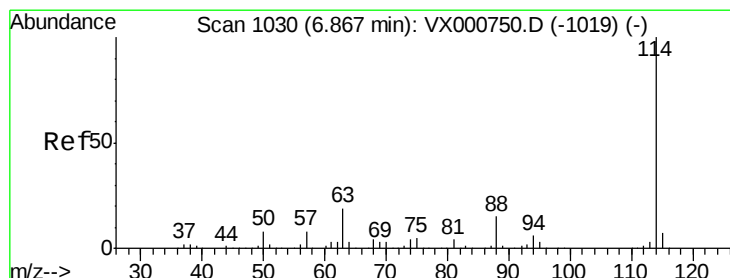
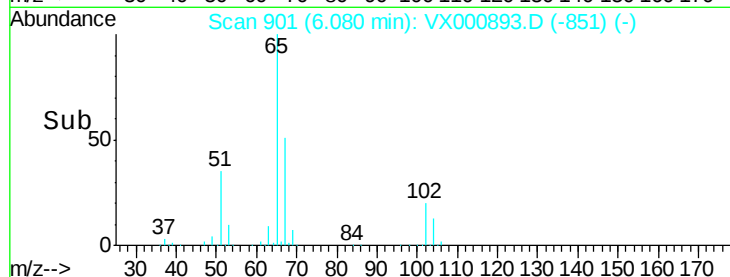
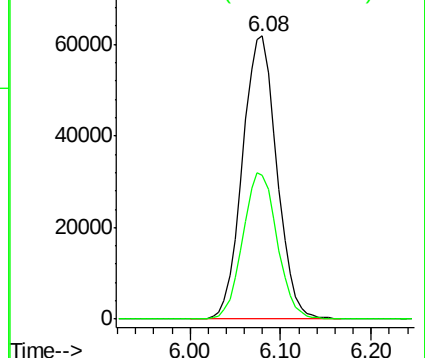
65 100

67 51.8 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: VX000893.D

Acq: 15 Apr 2018 13:38

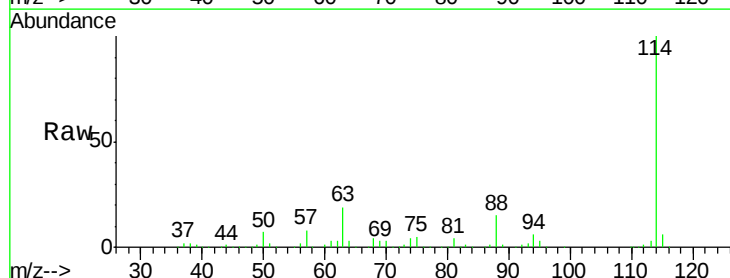
Tgt Ion: 114 Resp: 372471

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

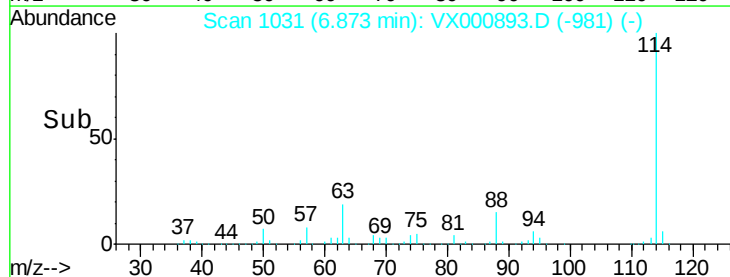
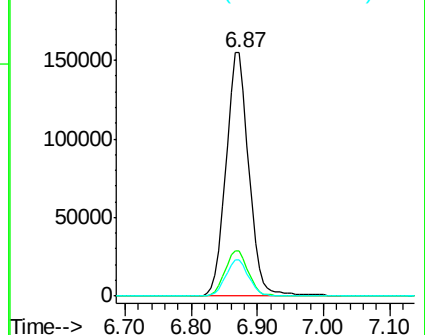
88 14.8 0.0 31.0

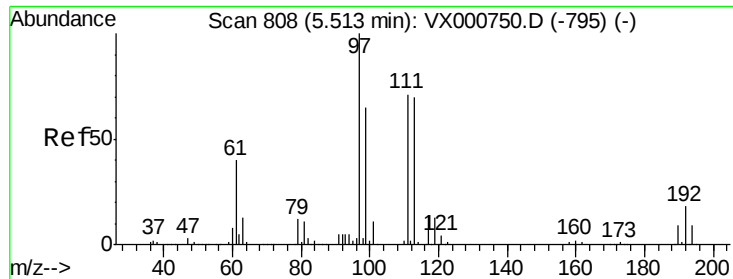


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

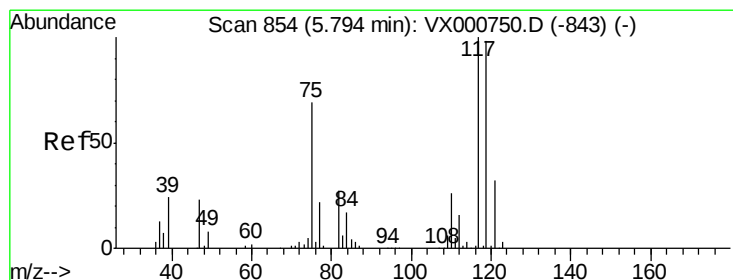
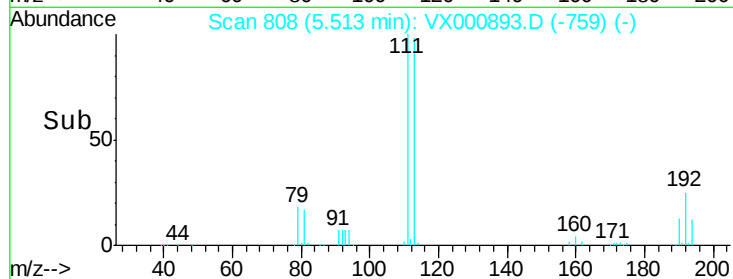
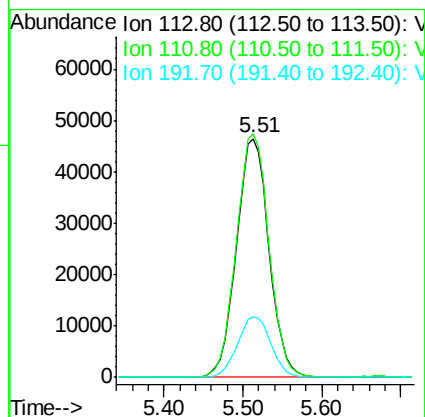
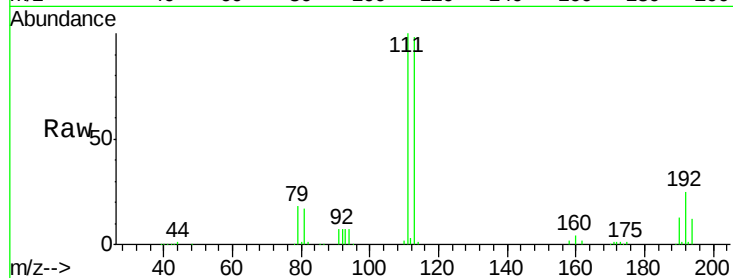




#35
Dibromofluoromethane
Concen: 46.38 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000893.D
Acq: 15 Apr 2018 13:38

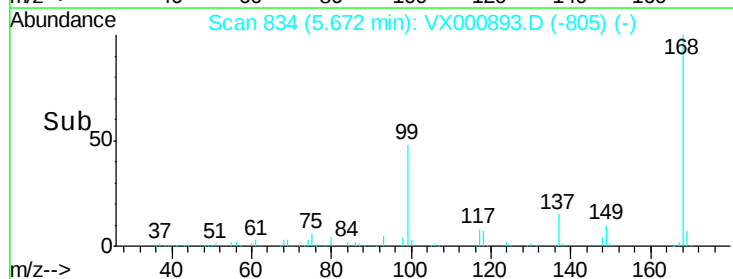
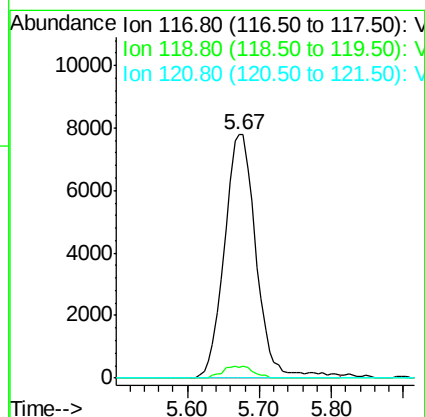
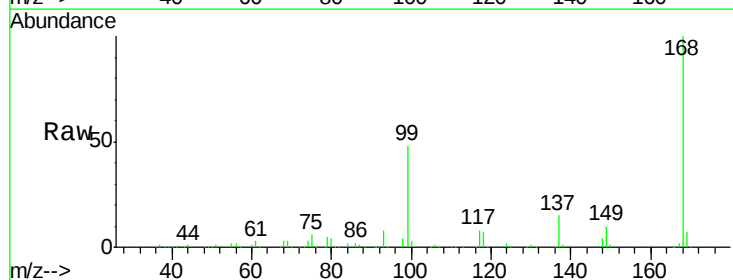
Instrument :
MSVOA_X
ClientSampleId :
PB108205ZHE#04 5X

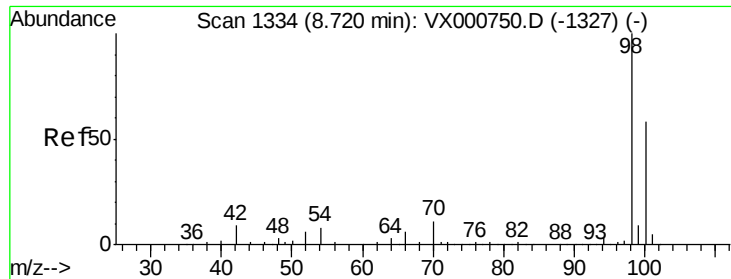
Tgt Ion:113 Resp: 133103
Ion Ratio Lower Upper
113 100
111 102.4 81.5 122.3
192 25.9 20.4 30.6



#38
Carbon Tetrachloride
Concen: 5.21 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX000893.D
Acq: 15 Apr 2018 13:38

Tgt Ion:117 Resp: 23907
Ion Ratio Lower Upper
117 100
119 4.5 78.4 117.6#
121 0.0 25.4 38.0#





#50

Toluene-d8

Concen: 48.79 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000893.D

Acq: 15 Apr 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

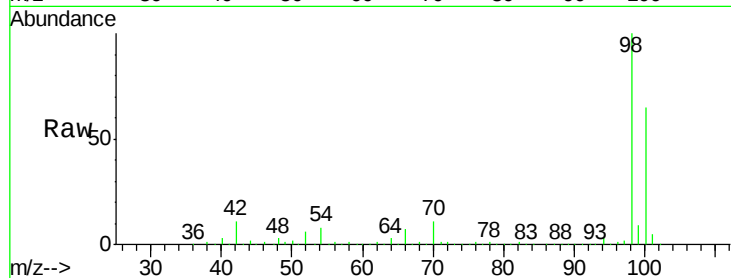
PB108205ZHE#04 5X

Tgt Ion: 98 Resp: 521334

Ion Ratio Lower Upper

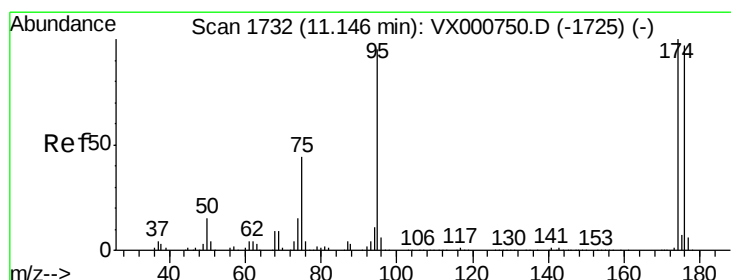
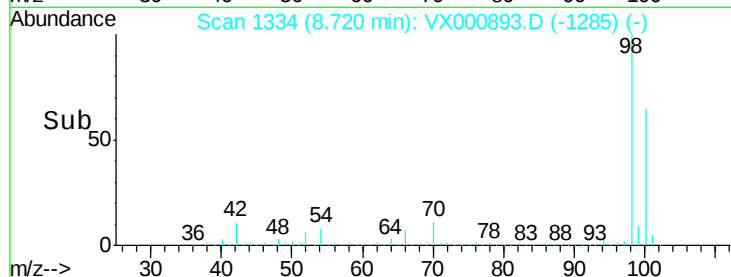
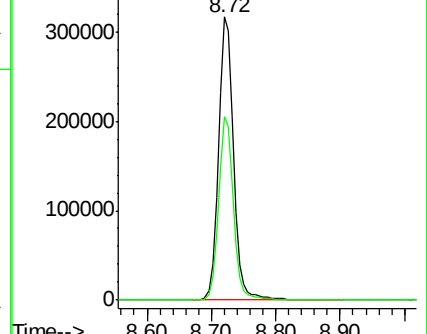
98 100

100 64.4 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: VX000893.D

Acq: 15 Apr 2018 13:38

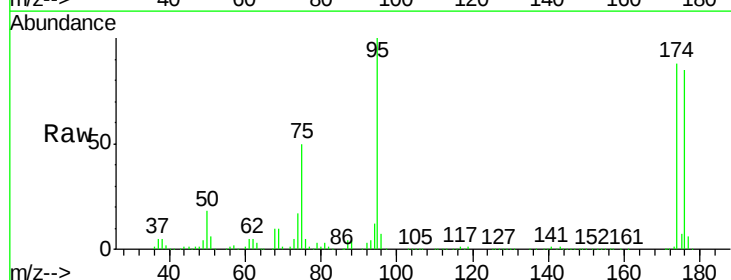
Tgt Ion: 95 Resp: 201043

Ion Ratio Lower Upper

95 100

174 98.5 0.0 198.4

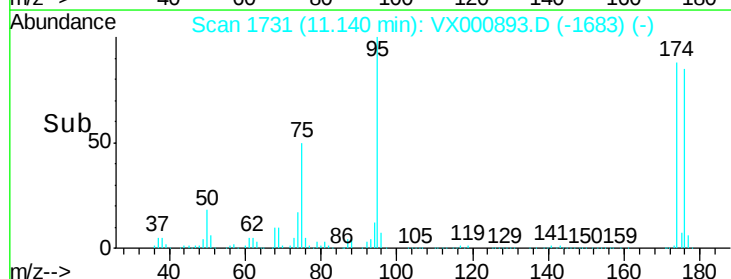
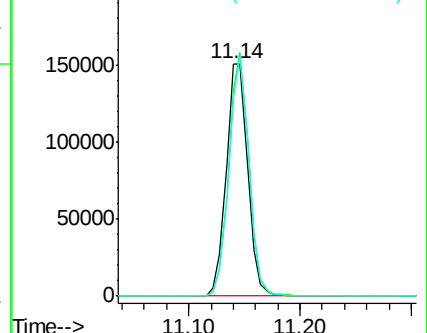
176 96.0 0.0 194.4

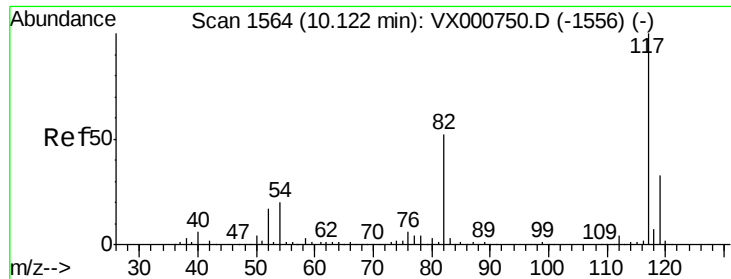


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX000893.D

Acq: 15 Apr 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#04 5X

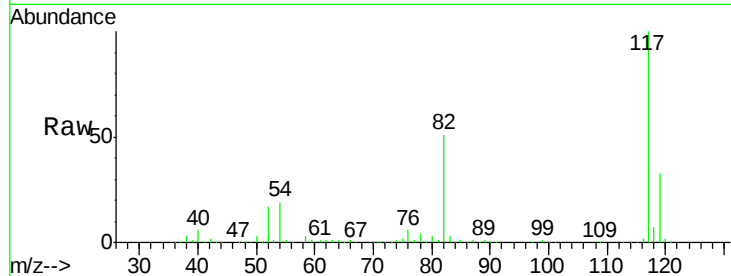
Tgt Ion:117 Resp: 347084

Ion Ratio Lower Upper

117 100

82 51.1 41.9 62.9

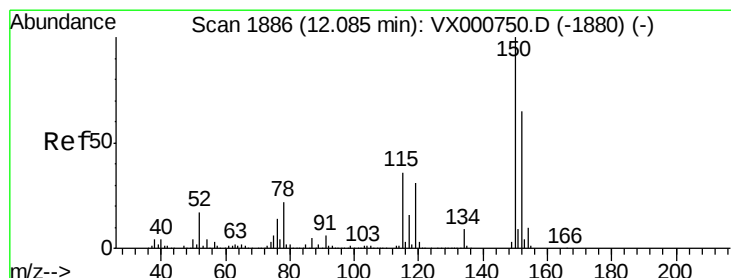
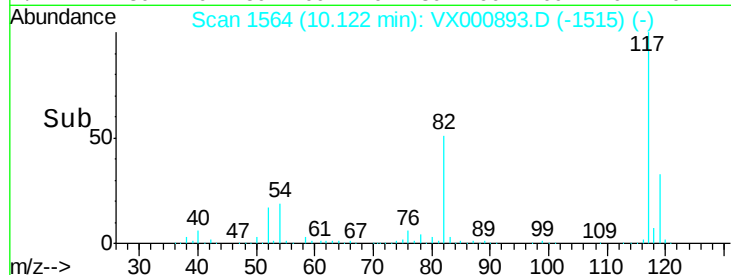
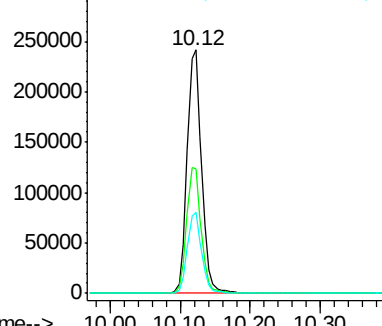
119 33.1 26.0 39.0



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: VX000893.D

Acq: 15 Apr 2018 13:38

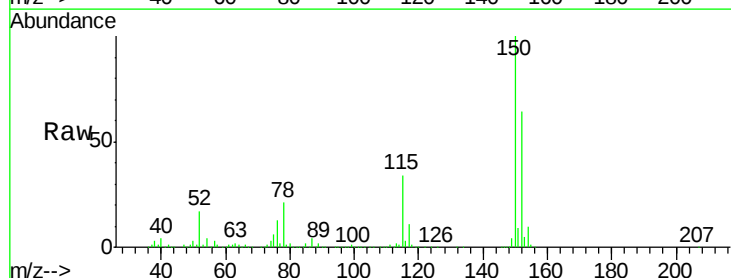
Tgt Ion:152 Resp: 226227

Ion Ratio Lower Upper

152 100

115 53.7 37.9 113.7

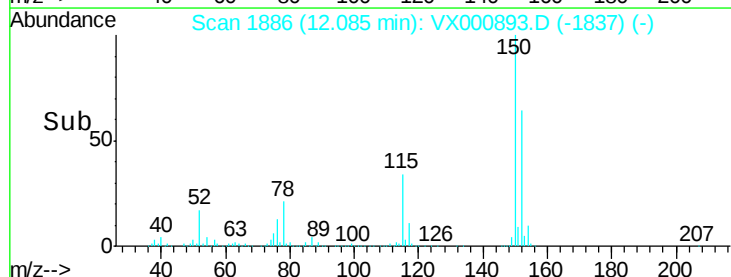
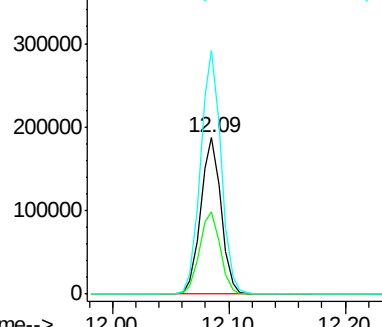
150 156.5 0.0 348.0

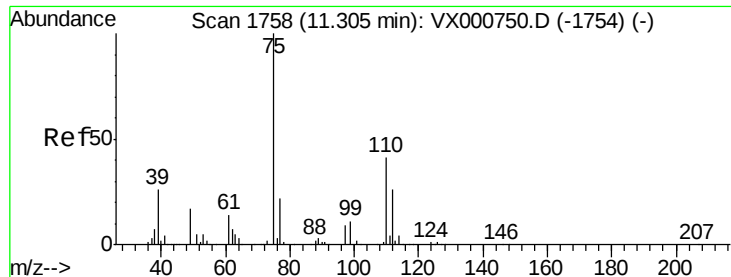


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.42 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000893.D

Acq: 15 Apr 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

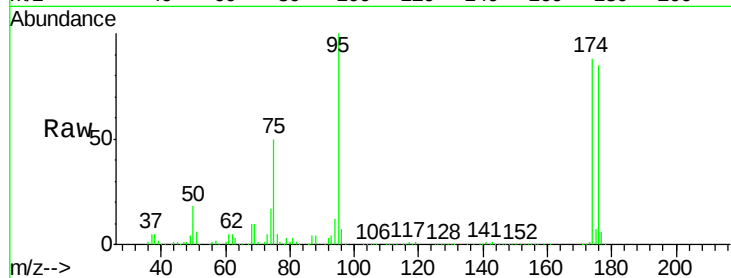
PB108205ZHE#04 5X

Tgt Ion: 75 Resp: 99191

Ion Ratio Lower Upper

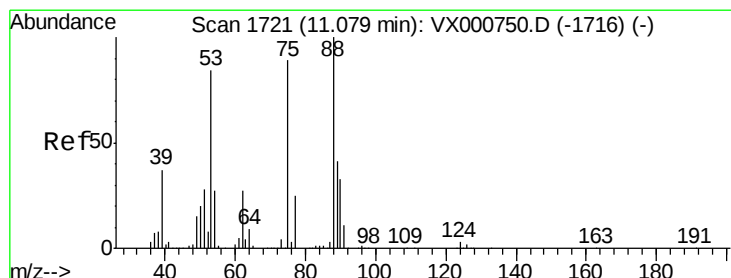
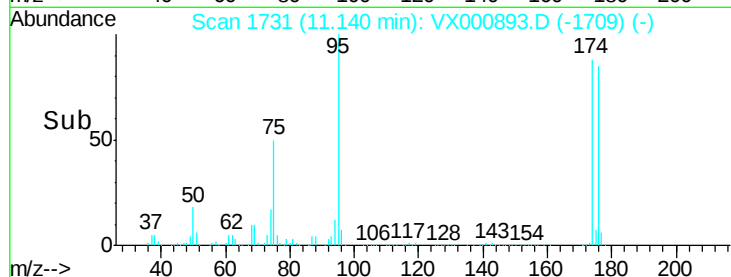
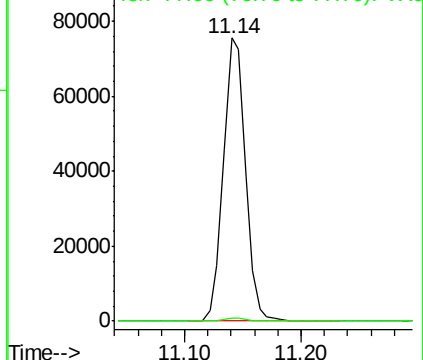
75 100

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: 69.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000893.D

Acq: 15 Apr 2018 13:38

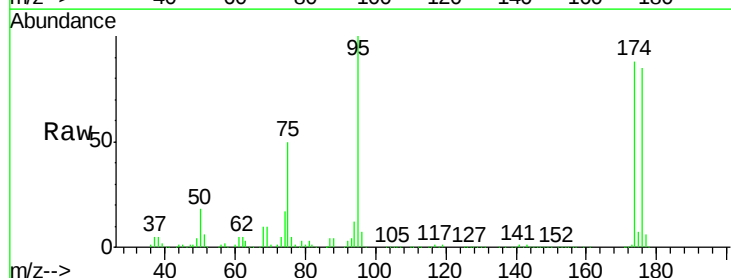
Tgt Ion: 75 Resp: 99191

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

