

Data File : VX000892.D

Acq On : 15 Apr 2018 13:13

Operator : JC/MD

Sample : ZHE-02 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#02 5X

Quant Time: Apr 16 07:37:20 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	276914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	370959	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	225309	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	162988	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
35) Dibromofluoromethane	5.51	113	132014	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
50) Toluene-d8	8.72	98	510626	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
62) 4-Bromofluorobenzene	11.15	95	199164	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	

Target Compounds

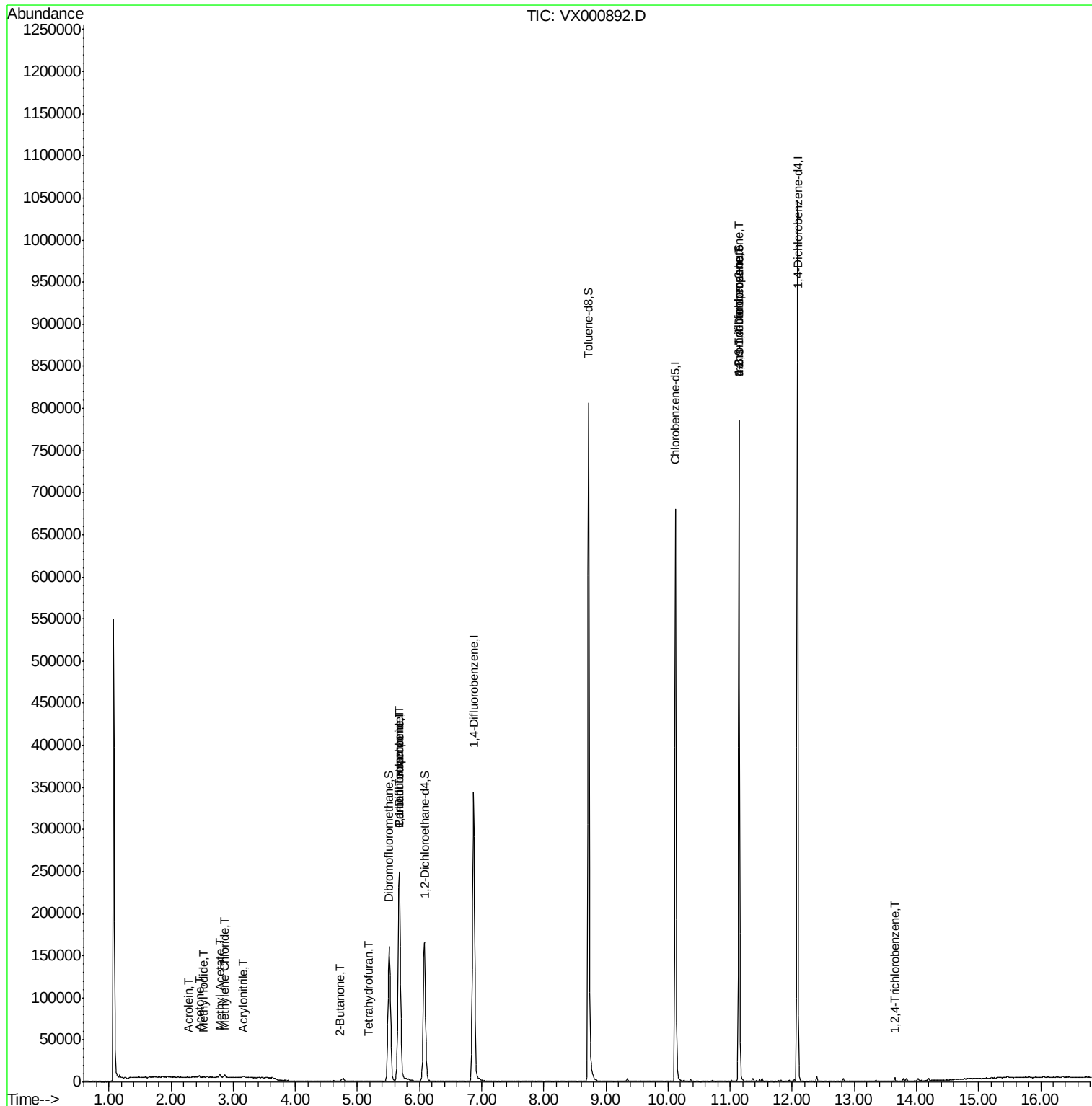
					Qvalue
5) Bromomethane	1.66	94	379	Below Cal	86
10) Methyl Iodide	2.52	142	305	8.35 ug/l #	71
13) Acrolein	2.29	56	346	1.15 ug/l #	68
15) Acrylonitrile	3.15	53	705	0.53 ug/l #	81
16) Acetone	2.45	43	2230	1.85 ug/l	95
18) Methyl Acetate	2.78	43	3843	1.23 ug/l	99
20) Methylene Chloride	2.87	84	1284	0.46 ug/l #	72
25) 2-Butanone	4.71	43	461	0.23 ug/l #	50
29) Tetrahydrofuran	5.18	42	694	0.55 ug/l #	51
36) 1,1-Dichloropropene	5.67	75	16133	3.95 ug/l #	48
38) Carbon Tetrachloride	5.68	117	23942	5.24 ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	97203	25.02 ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	97203	68.81 ug/l #	11
93) 1,2,4-Trichlorobenzene	13.65	180	1281	0.20 ug/l	89

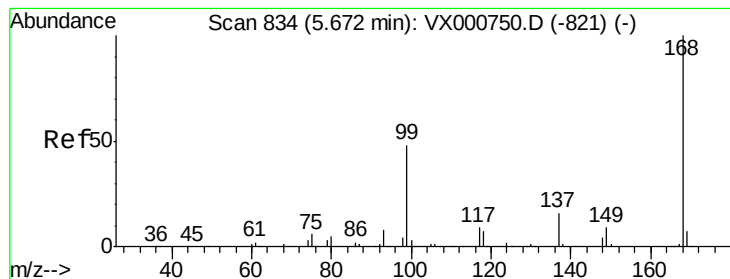
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 16 07:37:20 2018
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: VX000892.D

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Instrument :

MSVOA_X

ClientSampleId :

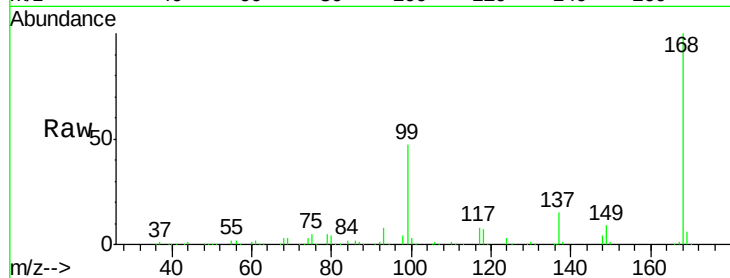
PB108205ZHE#02 5X

Tgt Ion:168 Resp: 276914

Ion Ratio Lower Upper

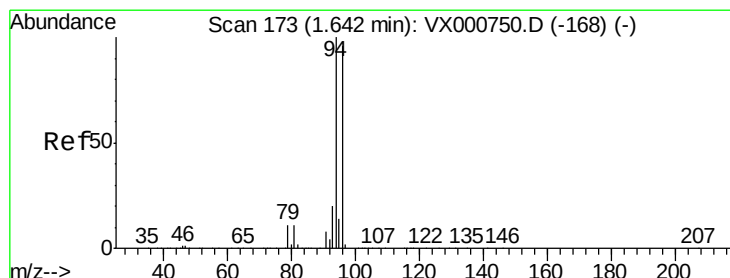
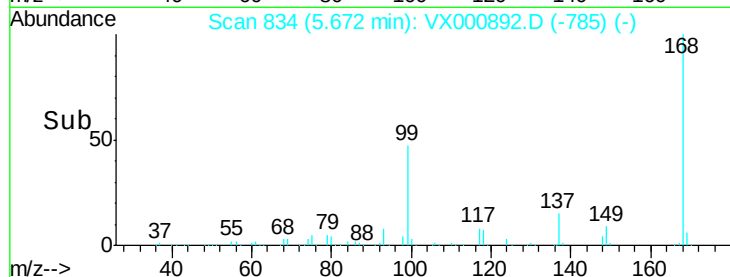
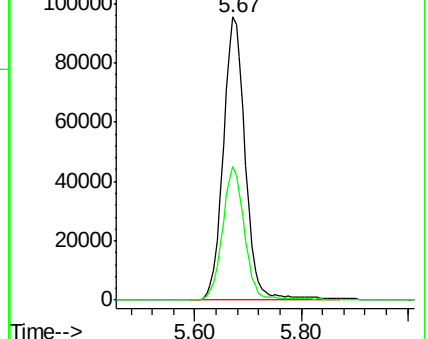
168 100

99 47.1 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: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000892.D

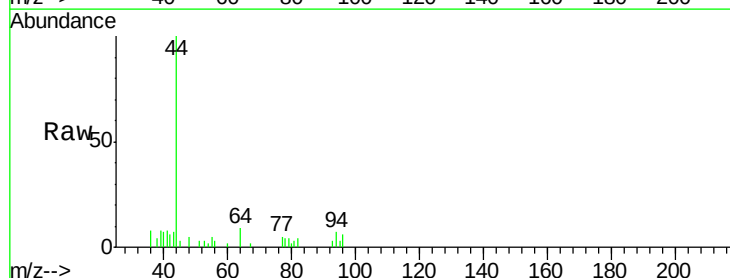
Acq: 15 Apr 2018 13:13

Tgt Ion: 94 Resp: 379

Ion Ratio Lower Upper

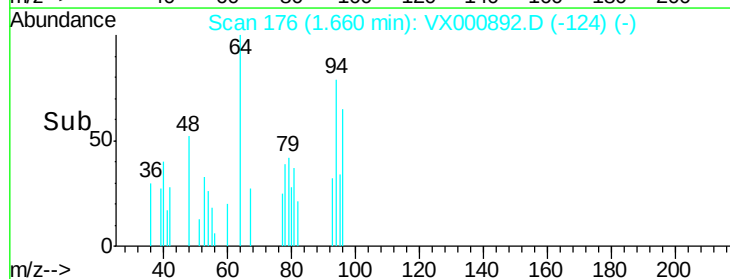
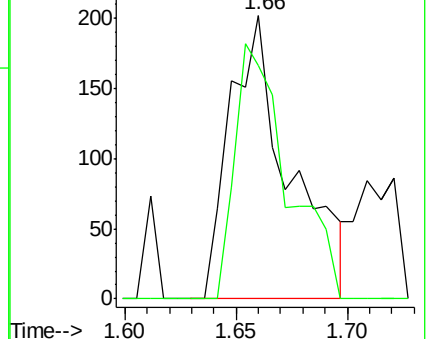
94 100

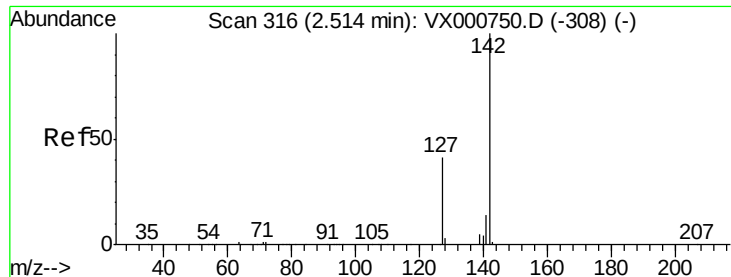
96 82.2 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

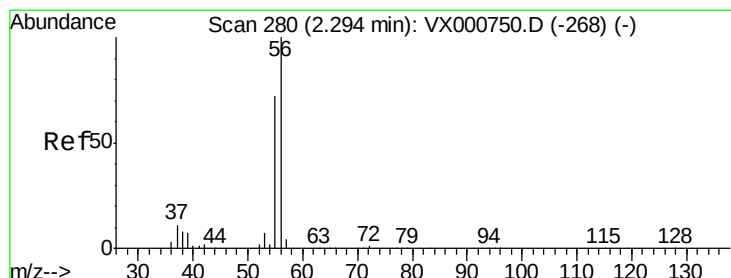
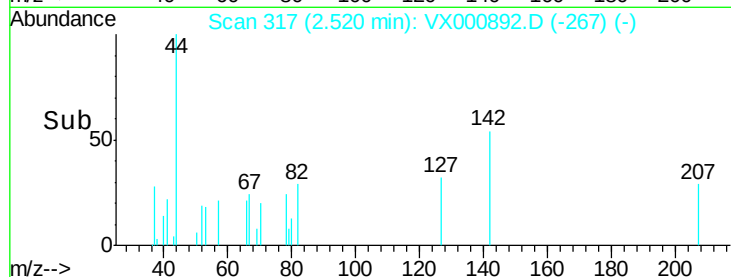
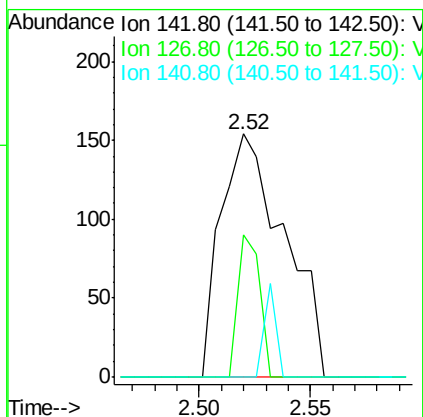
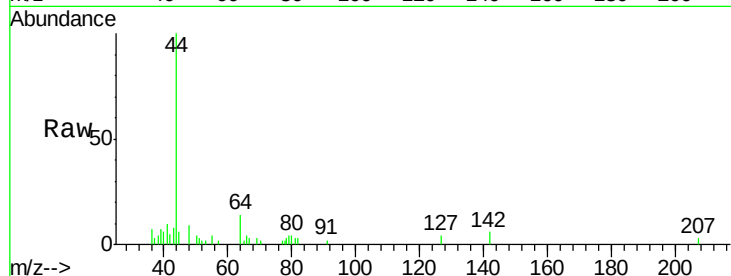




#10
Methyl Iodide
Concen: 8.35 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX000892.D
Acq: 15 Apr 2018 13:13

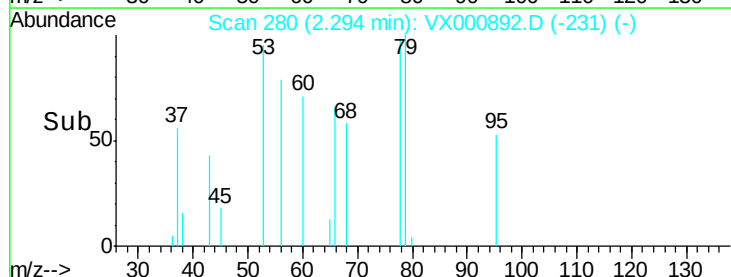
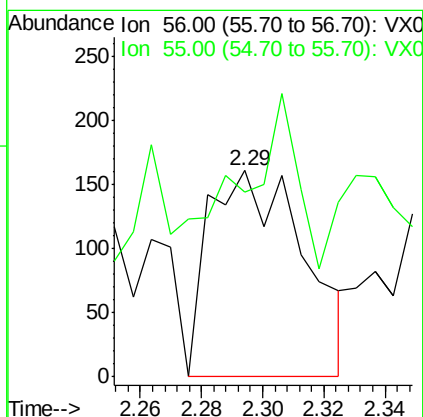
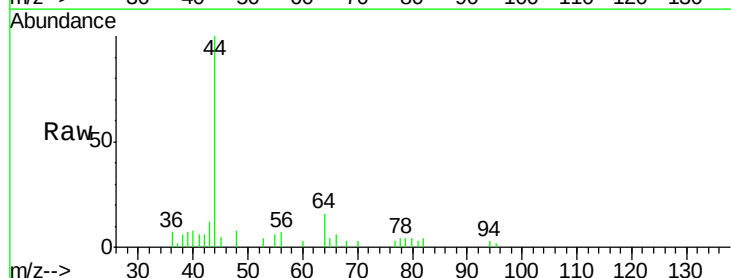
Instrument :
MSVOA_X
ClientSampleId :
PB108205ZHE#02 5X

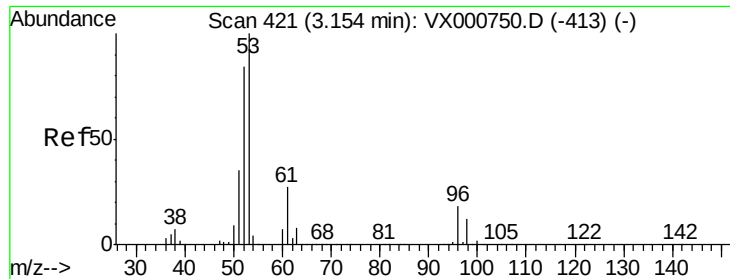
Tgt Ion: 142 Resp: 305
Ion Ratio Lower Upper
142 100
127 20.0 32.6 49.0#
141 7.2 11.5 17.3#



#13
Acrolein
Concen: 1.15 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX000892.D
Acq: 15 Apr 2018 13:13

Tgt Ion: 56 Resp: 346
Ion Ratio Lower Upper
56 100
55 46.2 58.7 88.1#

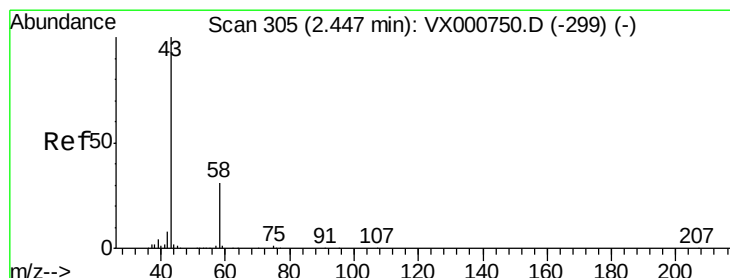
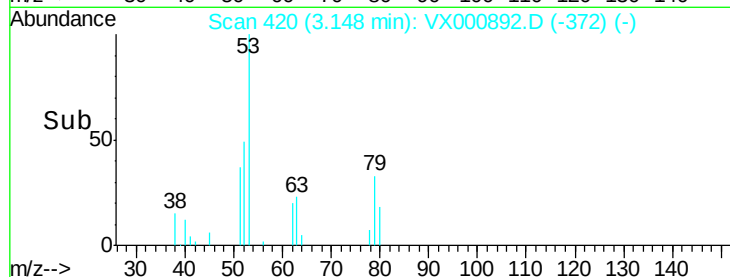
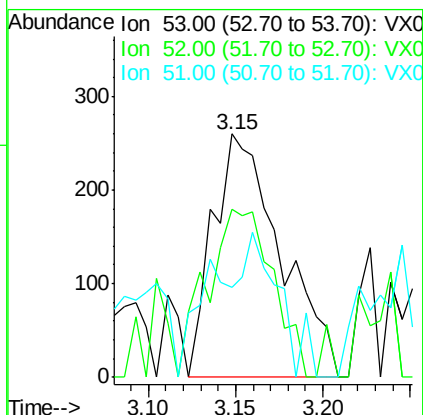
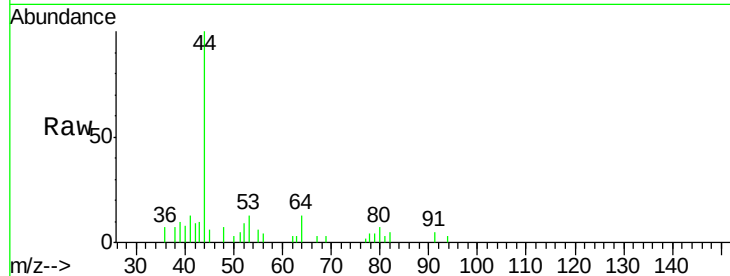




#15
 Acrylonitrile
 Concen: 0.53 ug/l
 RT: 3.15 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: VX000892.D
 Acq: 15 Apr 2018 13:13

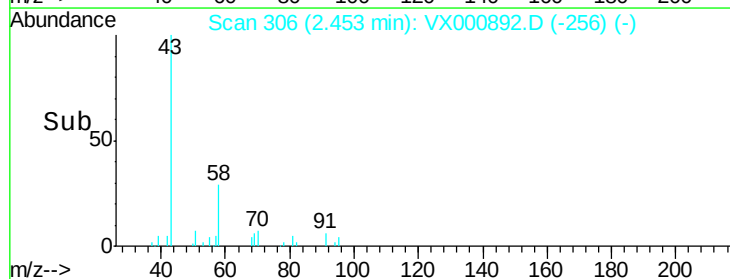
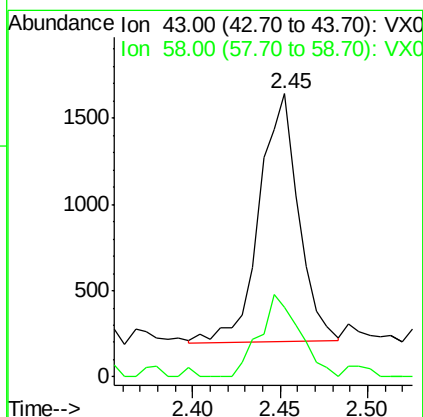
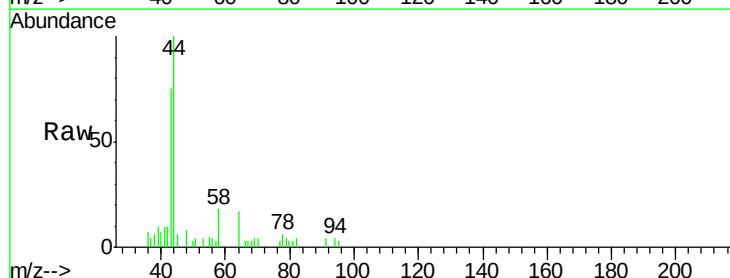
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108205ZHE#02 5X

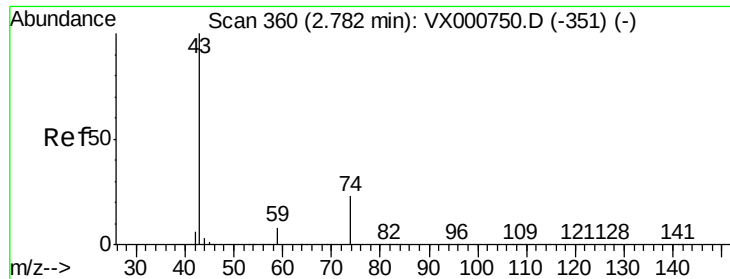
Tgt Ion: 53 Resp: 705
 Ion Ratio Lower Upper
 53 100
 52 66.2 66.5 99.7#
 51 24.4 28.8 43.2#



#16
 Acetone
 Concen: 1.85 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.01 min
 Lab File: VX000892.D
 Acq: 15 Apr 2018 13:13

Tgt Ion: 43 Resp: 2230
 Ion Ratio Lower Upper
 43 100
 58 28.2 24.6 37.0

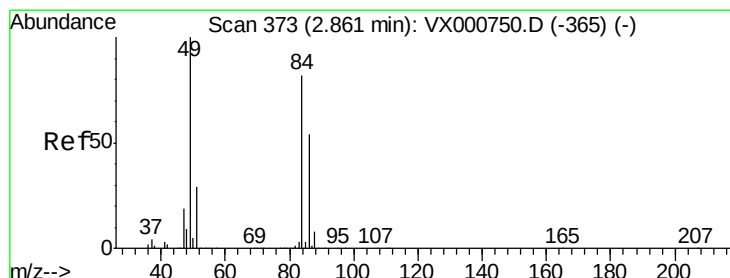
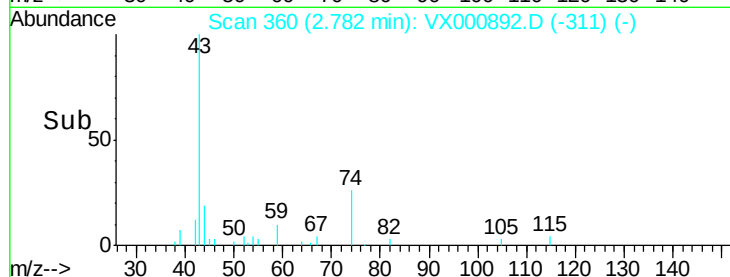
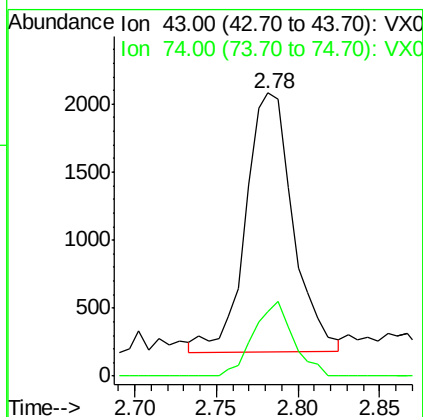
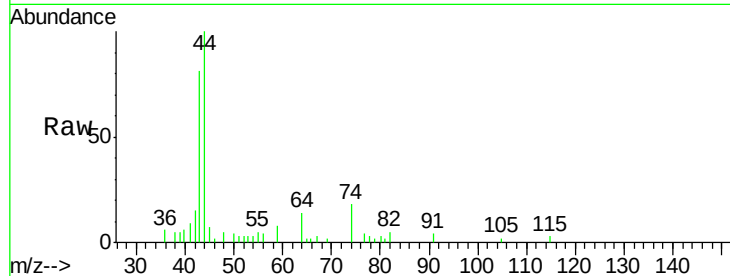




#18
Methyl Acetate
Concen: 1.23 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX000892.D
Acq: 15 Apr 2018 13:13

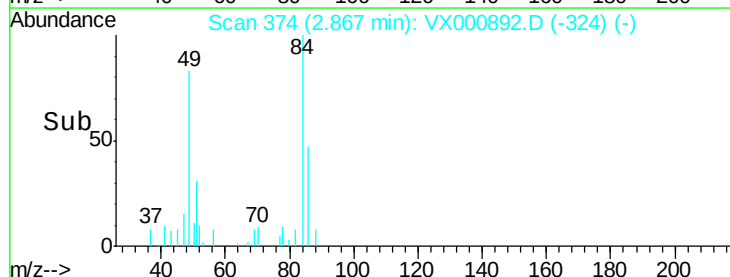
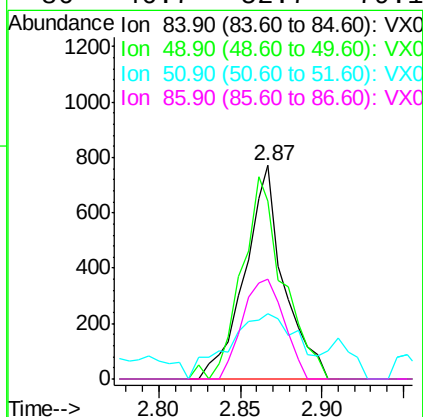
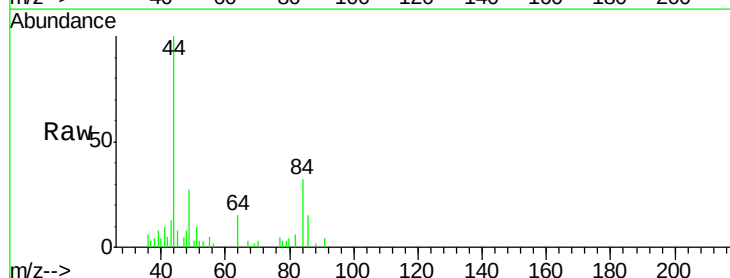
Instrument :
MSVOA_X
ClientSampleId :
PB108205ZHE#02 5X

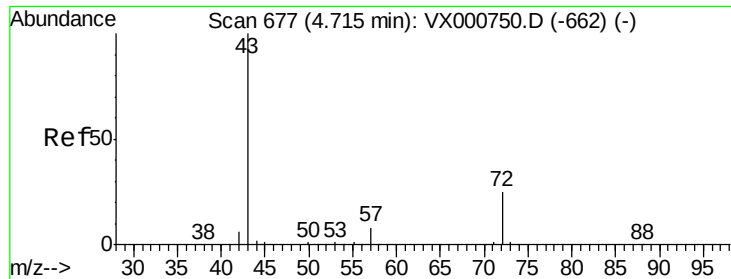
Tgt Ion: 43 Resp: 3843
Ion Ratio Lower Upper
43 100
74 24.3 19.1 28.7



#20
Methylene Chloride
Concen: 0.46 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000892.D
Acq: 15 Apr 2018 13:13

Tgt Ion: 84 Resp: 1284
Ion Ratio Lower Upper
84 100
49 83.4 98.1 147.1#
51 30.7 28.9 43.3
86 46.7 52.7 79.1#





#25

2-Butanone

Concen: 0.23 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000892.D

Acq: 15 Apr 2018 13:13

Instrument :

MSVOA_X

ClientSampleId :

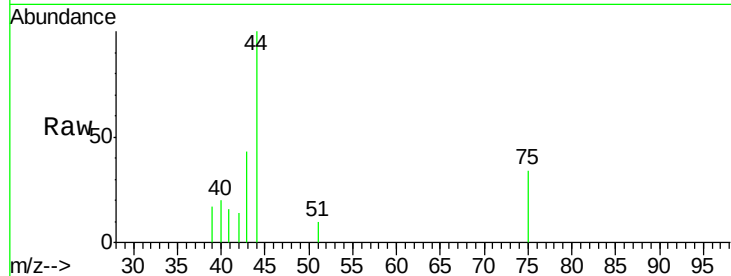
PB108205ZHE#02 5X

Tgt Ion: 43 Resp: 461

Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

250

200

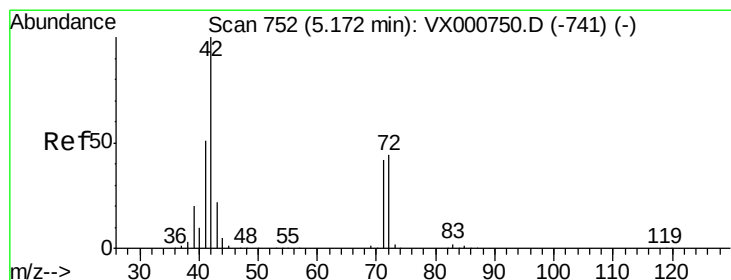
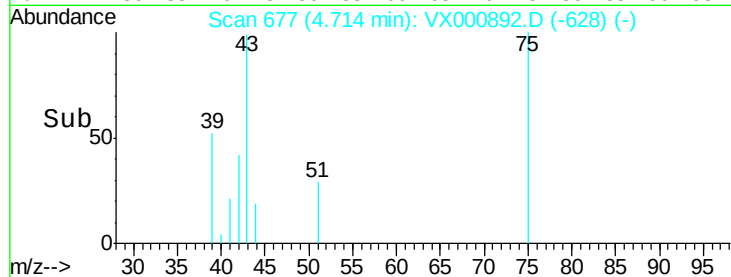
150

100

50

0

Time-->



#29

Tetrahydrofuran

Concen: 0.55 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX000892.D

Acq: 15 Apr 2018 13:13

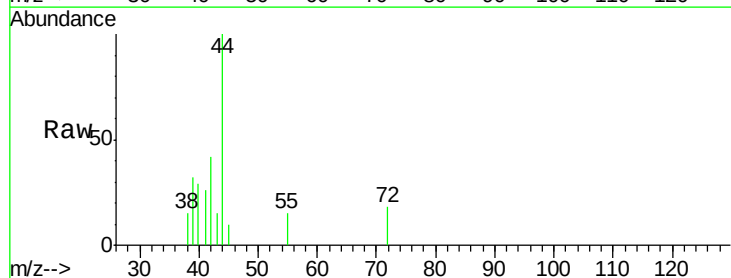
Tgt Ion: 42 Resp: 694

Ion Ratio Lower Upper

42 100

72 19.6 35.1 52.7#

71 2.7 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

250

200

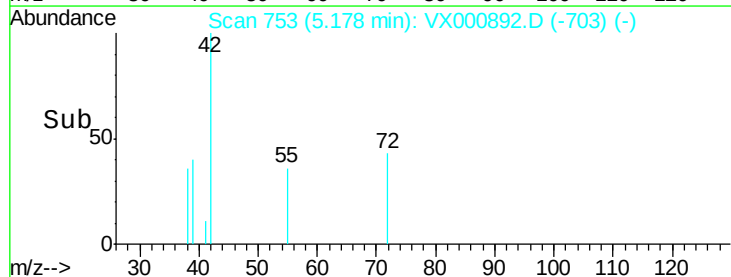
150

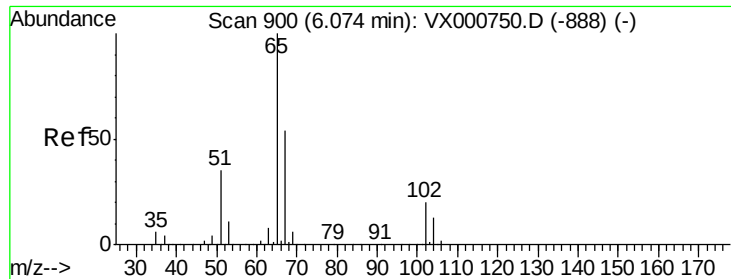
100

50

0

Time-->

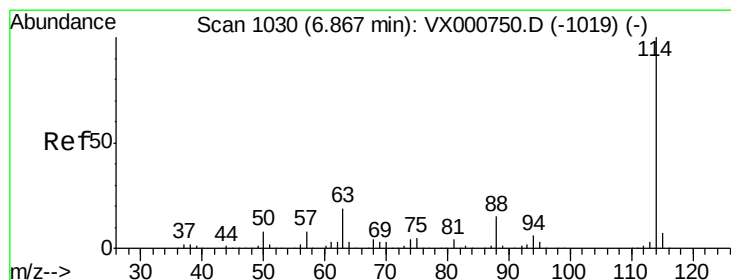
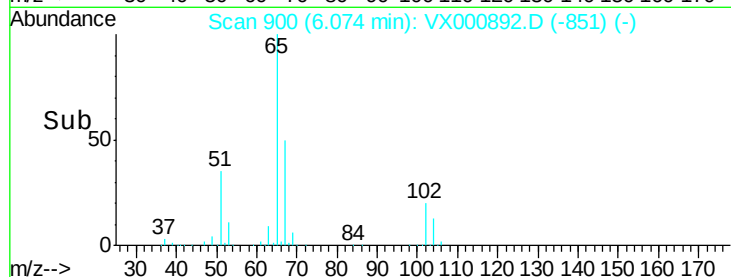
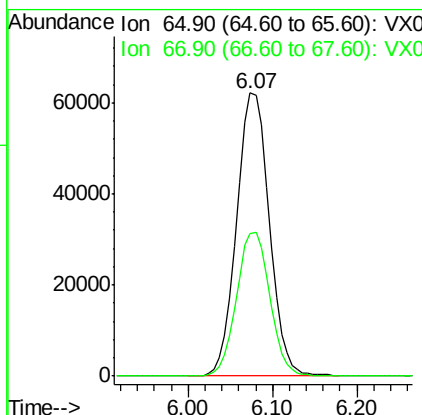
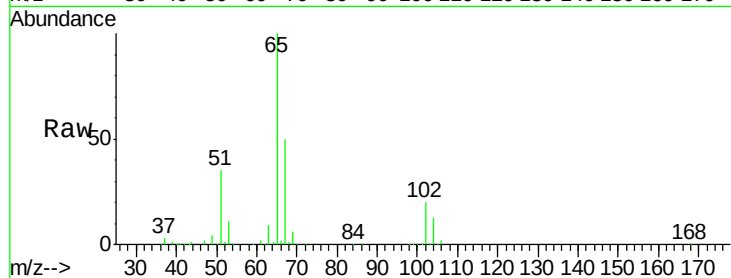




#33
 1,2-Dichloroethane-d4
 Concen: 46.68 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX000892.D
 Acq: 15 Apr 2018 13:13

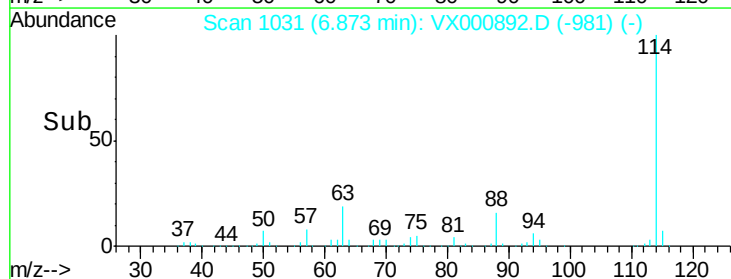
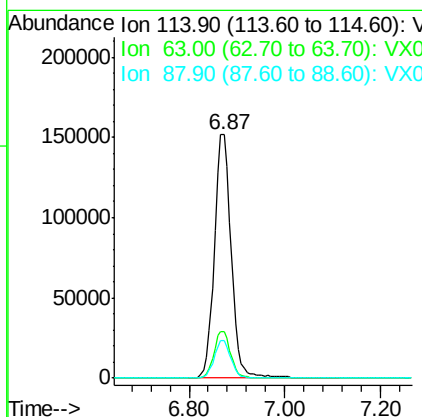
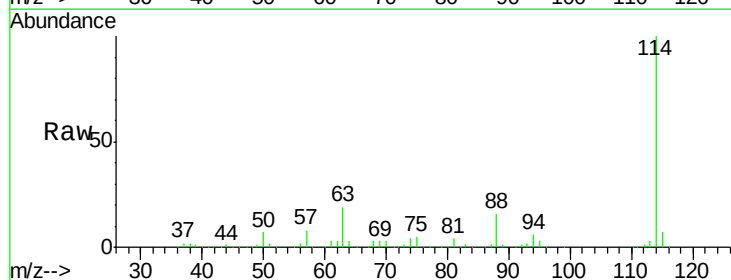
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108205ZHE#02 5X

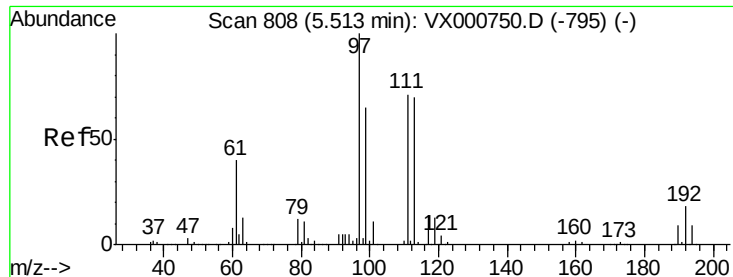
Tgt Ion: 65 Resp: 162988
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000892.D
 Acq: 15 Apr 2018 13:13

Tgt Ion: 114 Resp: 370959
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.4
 88 15.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.19 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000892.D

Acq: 15 Apr 2018 13:13

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#02 5X

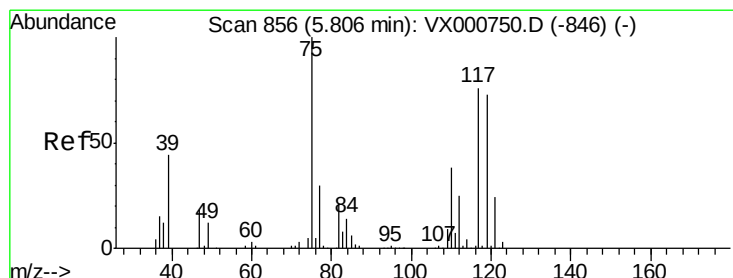
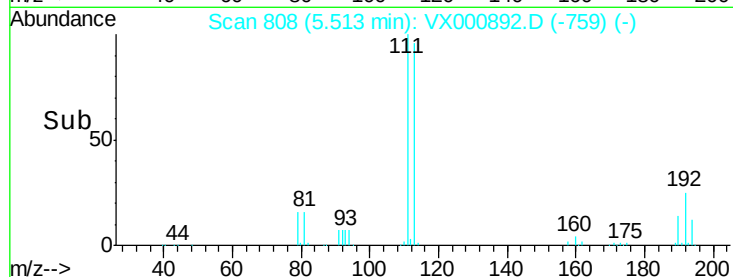
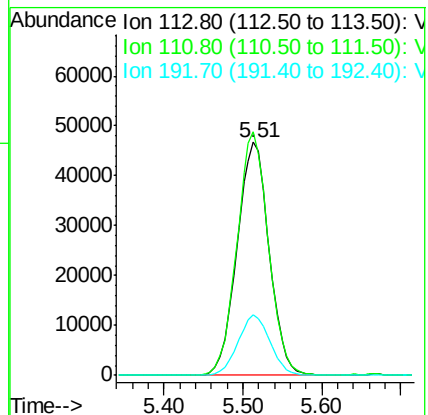
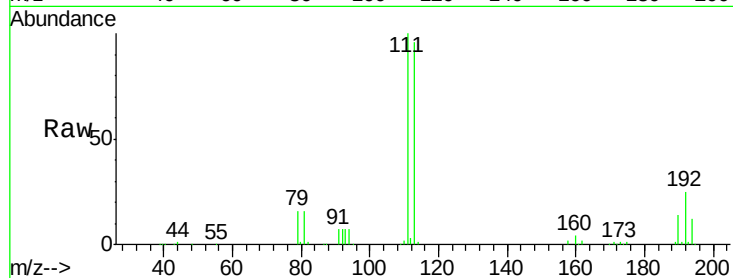
Tgt Ion:113 Resp: 132014

Ion Ratio Lower Upper

113 100

111 102.6 81.5 122.3

192 25.9 20.4 30.6



#36

1,1-Dichloropropene

Concen: 3.95 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000892.D

Acq: 15 Apr 2018 13:13

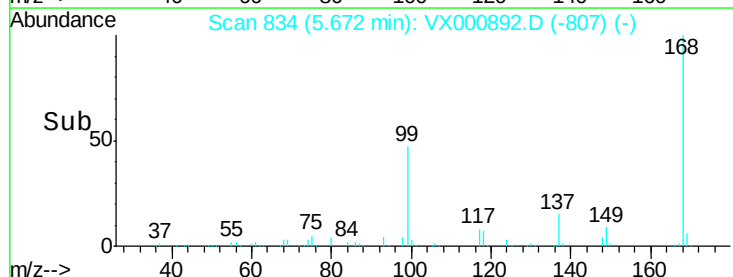
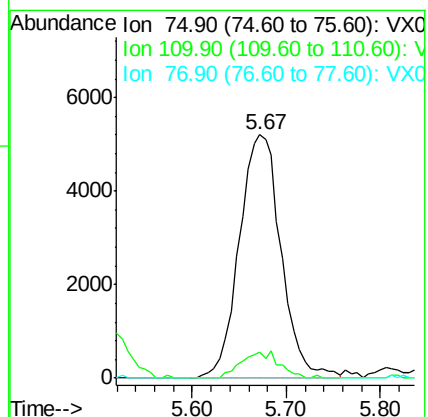
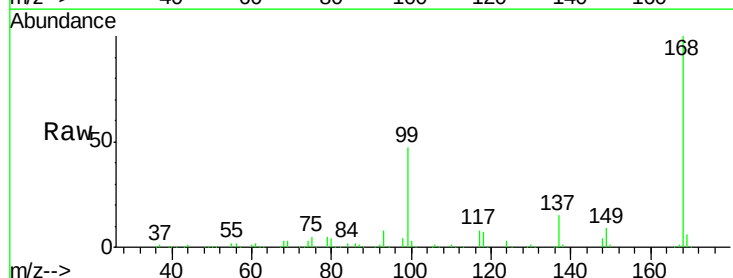
Tgt Ion: 75 Resp: 16133

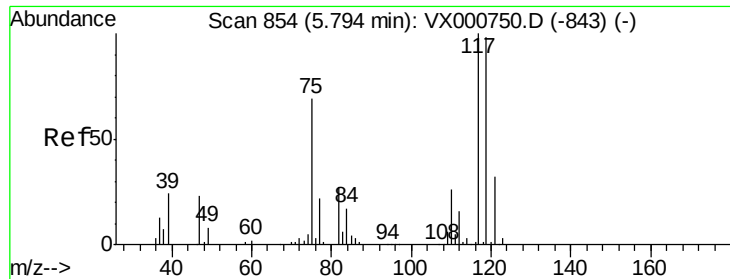
Ion Ratio Lower Upper

75 100

110 9.8 19.2 57.6#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.24 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000892.D

Acq: 15 Apr 2018 13:13

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#02 5X

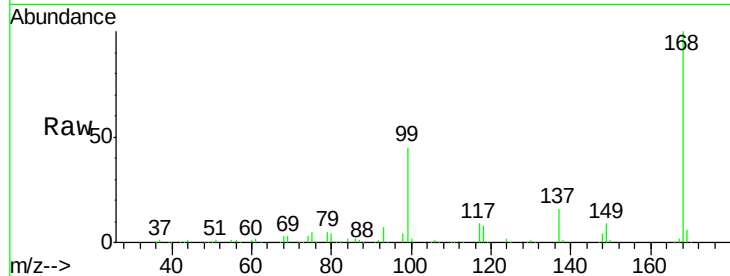
Tgt Ion:117 Resp: 23942

Ion Ratio Lower Upper

117 100

119 4.8 78.4 117.6#

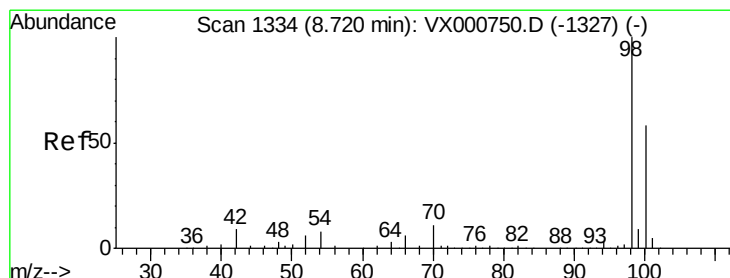
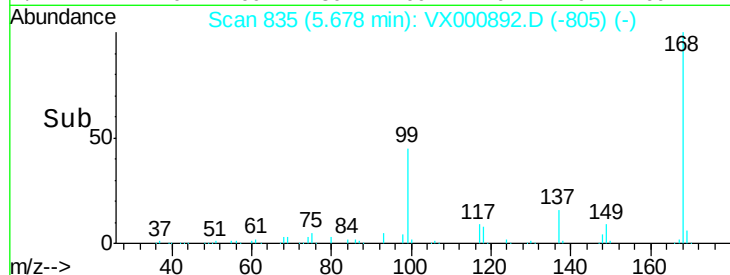
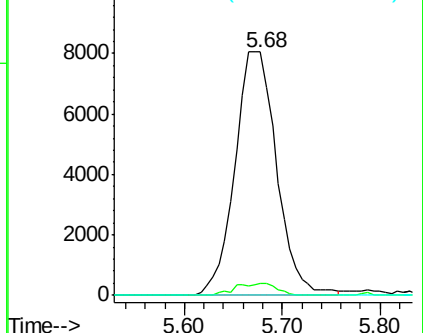
121 0.0 25.4 38.0#



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: 47.98 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000892.D

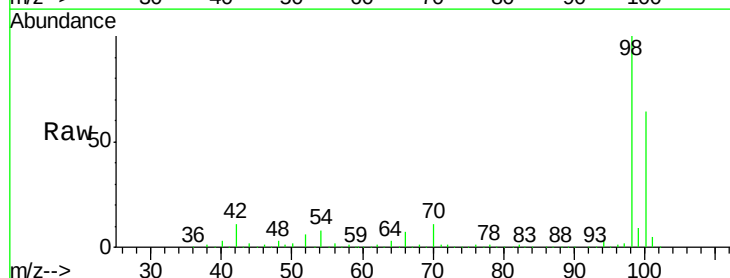
Acq: 15 Apr 2018 13:13

Tgt Ion: 98 Resp: 510626

Ion Ratio Lower Upper

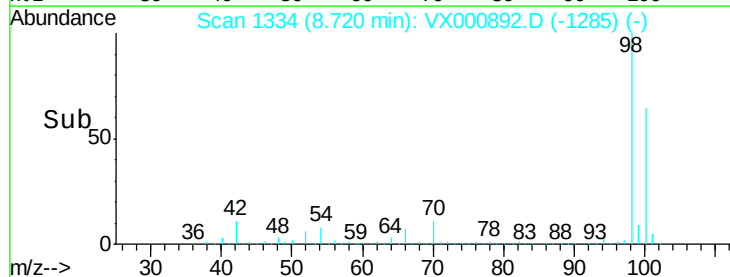
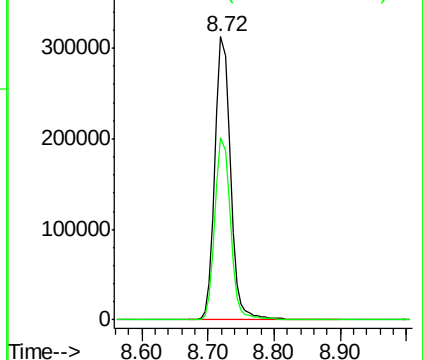
98 100

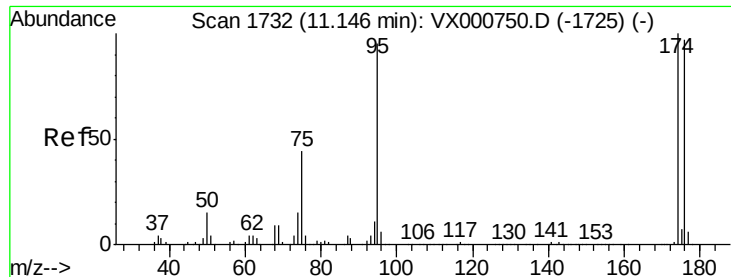
100 64.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.24 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000892.D

Acq: 15 Apr 2018 13:13

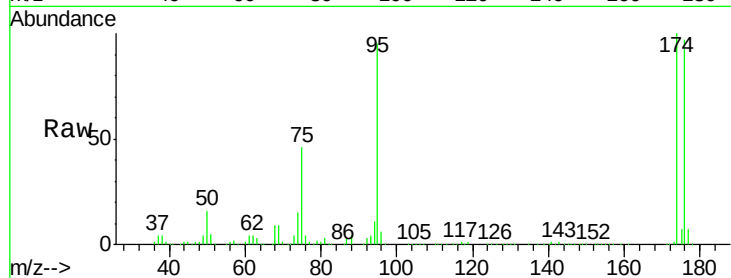
Instrument :

MSVOA_X

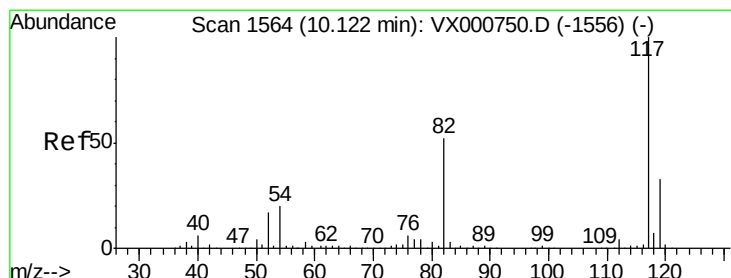
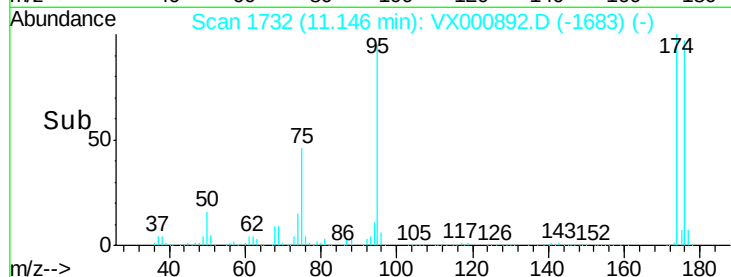
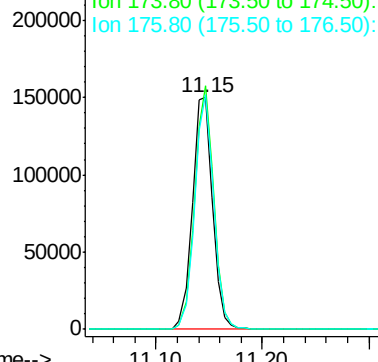
ClientSampleId :

PB108205ZHE#02 5X

Tgt Ion:	95	Resp:	199164
Ion	Ratio	Lower	Upper
95	100		
174	99.0	0.0	198.4
176	95.6	0.0	194.4



Abundance Ion 94.90 (94.60 to 95.60): VX000892.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

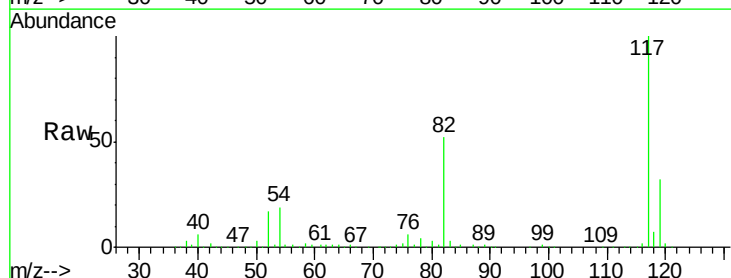
RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

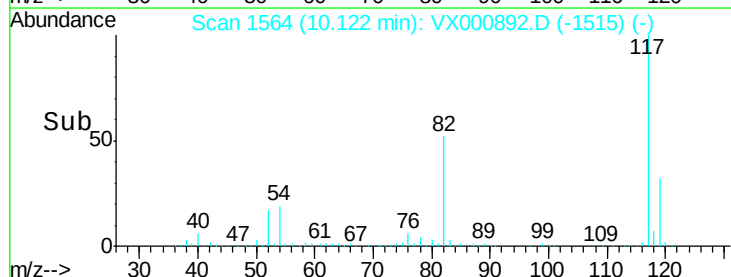
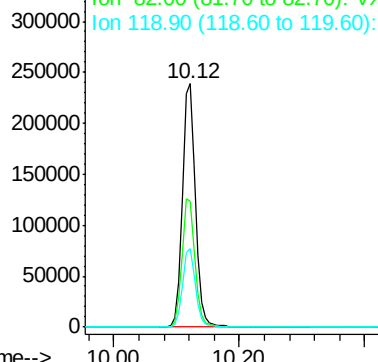
Lab File: VX000892.D

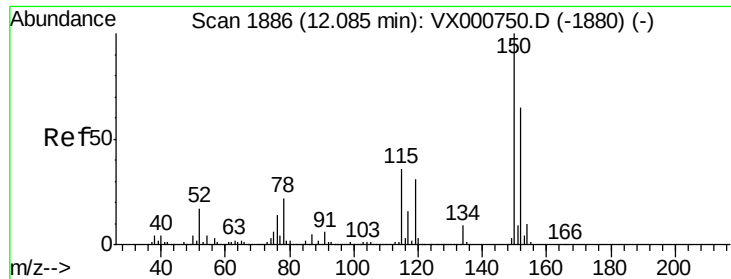
Acq: 15 Apr 2018 13:13

Tgt Ion:	117	Resp:	341389
Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.9	62.9
119	32.2	26.0	39.0



Abundance Ion 116.90 (116.60 to 117.60): VX000892.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000892.D

Acq: 15 Apr 2018 13:13

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#02 5X

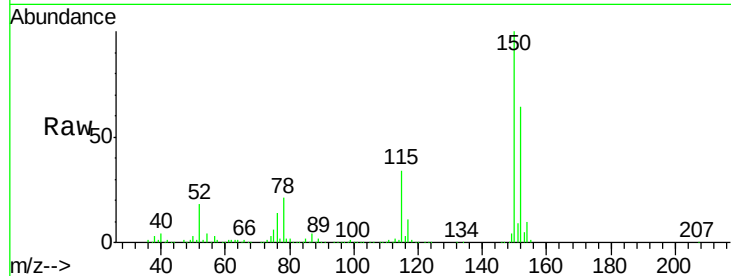
Tgt Ion:152 Resp: 225309

Ion Ratio Lower Upper

152 100

115 53.9 37.9 113.7

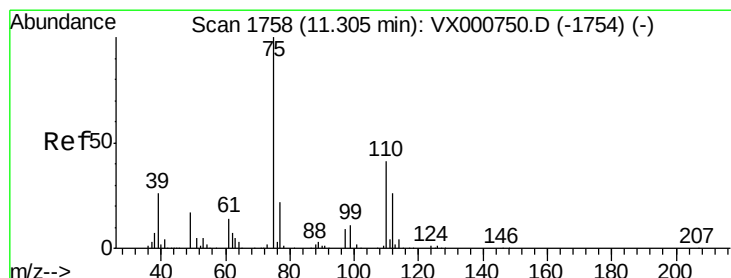
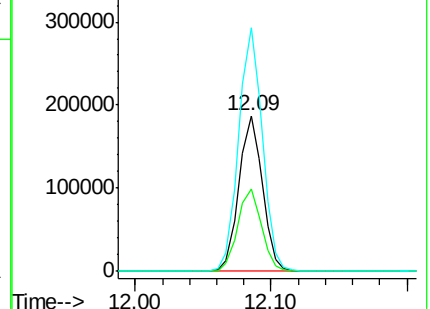
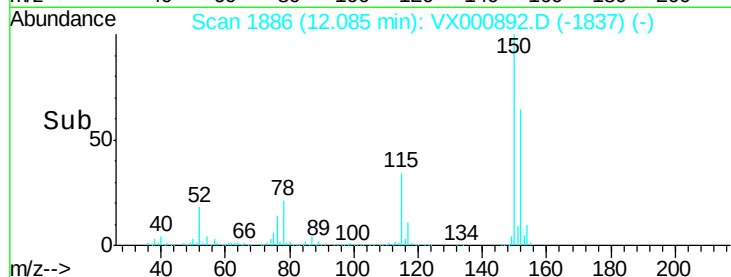
150 157.3 0.0 348.0



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: 25.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000892.D

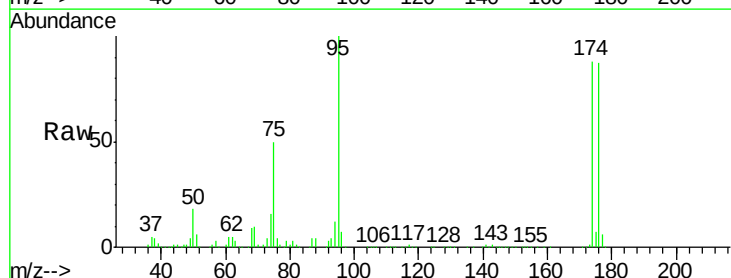
Acq: 15 Apr 2018 13:13

Tgt Ion: 75 Resp: 97203

Ion Ratio Lower Upper

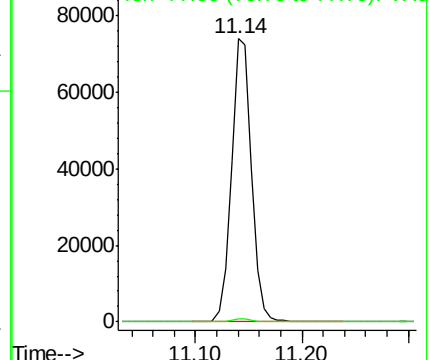
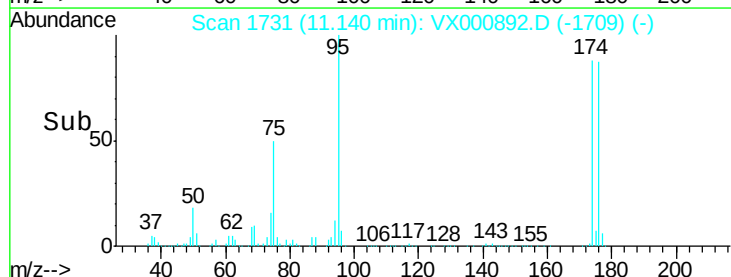
75 100

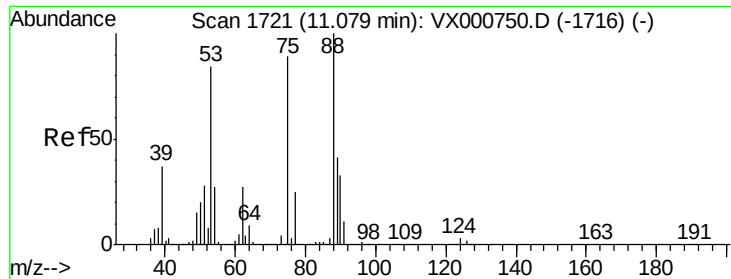
77 1.2 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

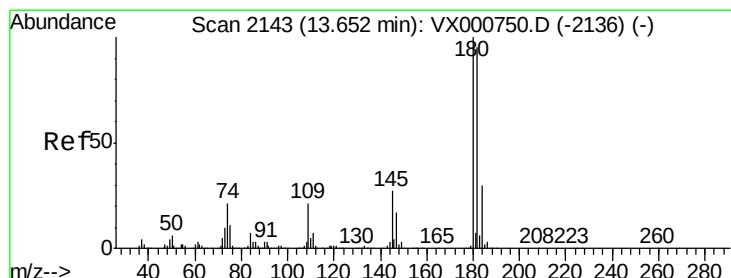
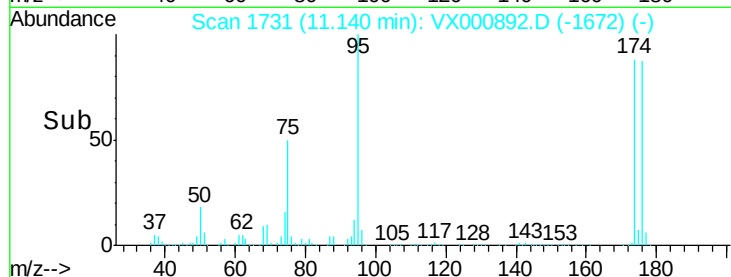
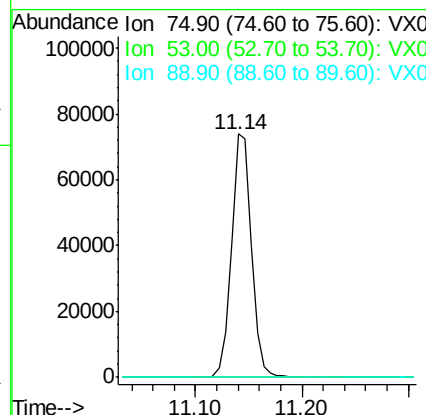
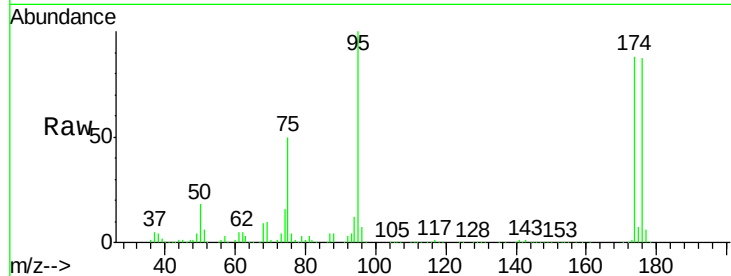




#81
trans-1,4-Dichloro-2-butene
Concen: 68.81 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX000892.D
Acq: 15 Apr 2018 13:13

Instrument :
MSVOA_X
ClientSampleId :
PB108205ZHE#02 5X

Tgt Ion: 75 Resp: 97203
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.0#
89 0.0 40.9 61.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.20 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VX000892.D
Acq: 15 Apr 2018 13:13

Tgt Ion: 180 Resp: 1281
Ion Ratio Lower Upper
180 100
182 83.1 47.5 142.5
145 30.6 13.8 41.4

