

Data File : VX000898.D

Acq On : 15 Apr 2018 15:46

Operator : JC/MD

Sample : ZHE-12 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 11 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#12 5X

Quant Time: Apr 16 07:38:45 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	273225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	372649	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	345061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220707	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	163668	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	5.51	113	131711	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
50) Toluene-d8	8.72	98	515743	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
62) 4-Bromofluorobenzene	11.14	95	199933	45.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.42%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	251	Below Cal	#	56
6) Chloroethane	1.73	64	499	0.28	ug/l #	43
10) Methyl Iodide	2.53	142	92	8.27	ug/l #	42
13) Acrolein	2.29	56	166	0.56	ug/l #	48
16) Acetone	2.45	43	2867	2.41	ug/l	94
18) Methyl Acetate	2.78	43	4862	1.58	ug/l	100
20) Methylene Chloride	2.87	84	1274	0.46	ug/l #	89
25) 2-Butanone	4.71	43	456	0.23	ug/l	91
29) Tetrahydrofuran	5.20	42	551	0.44	ug/l #	33
31) Cyclohexane	5.67	56	4552	1.00	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16382	3.99	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23652	5.15	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	96474	25.35	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	96474	69.72	ug/l #	11

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

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ALS Vial : 11 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#12 5X

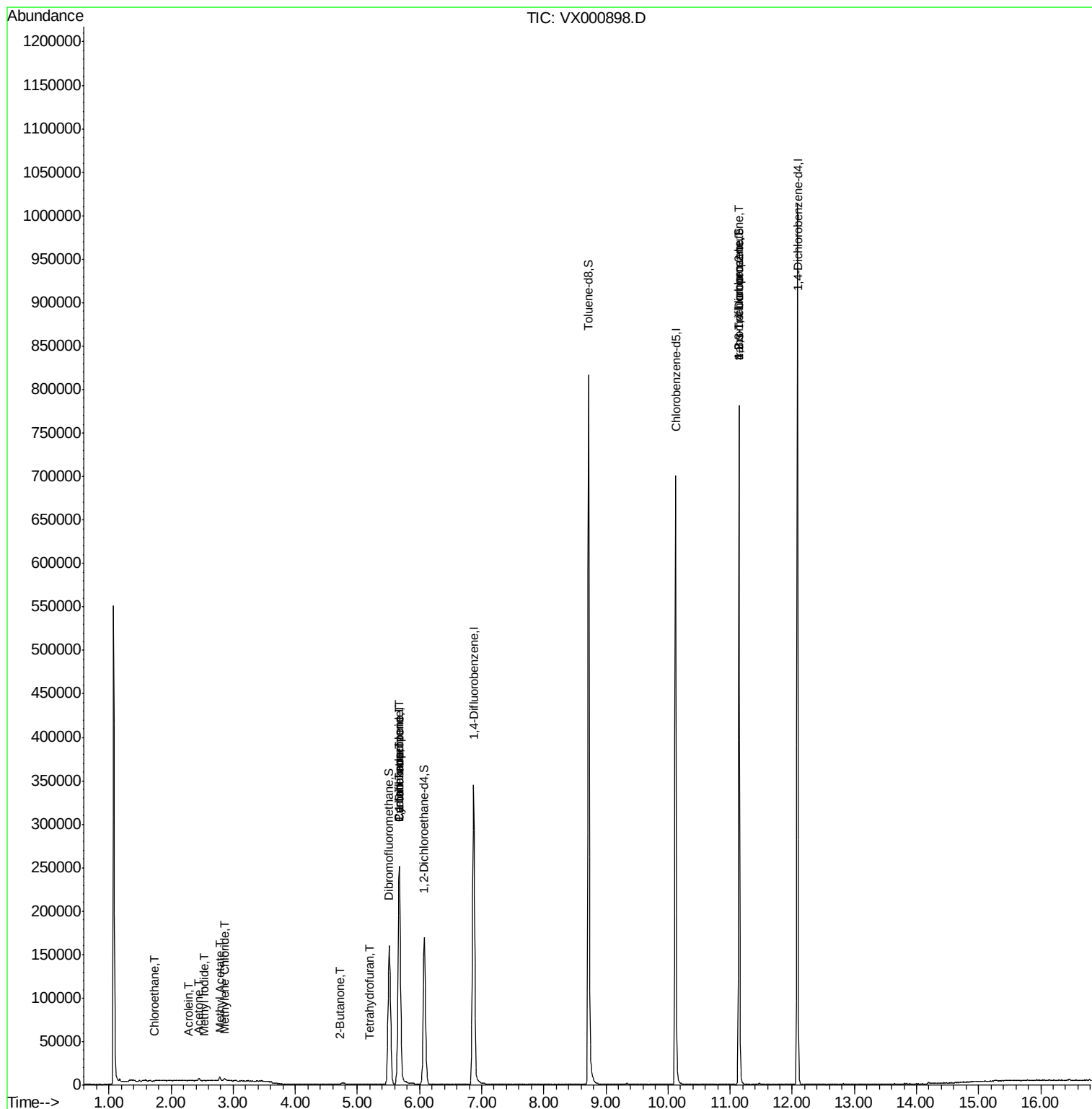
Quant Time: Apr 16 07:38:45 2018

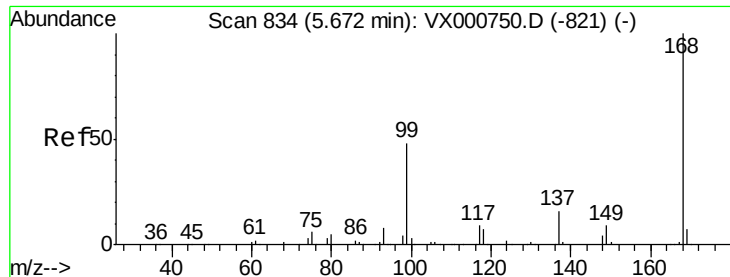
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M

Quant Title : SW846 8260

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000898.D

Acq: 15 Apr 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

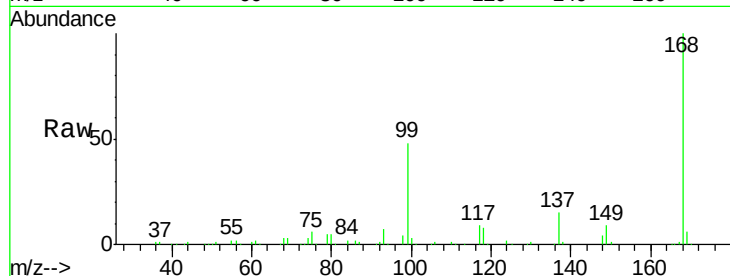
PB108205ZHE#12 5X

Tgt Ion: 168 Resp: 273225

Ion Ratio Lower Upper

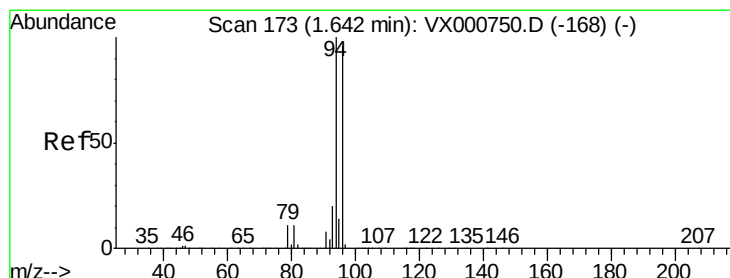
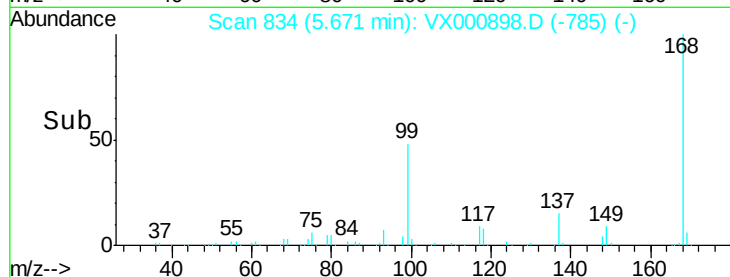
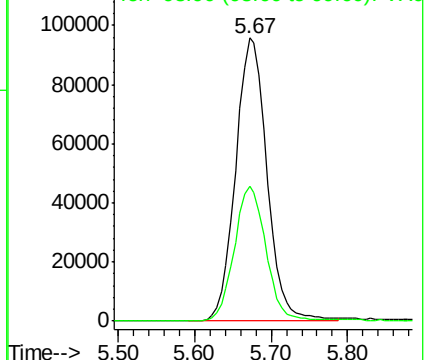
168 100

99 47.7 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# 174

Delta R.T. 0.01 min

Lab File: VX000898.D

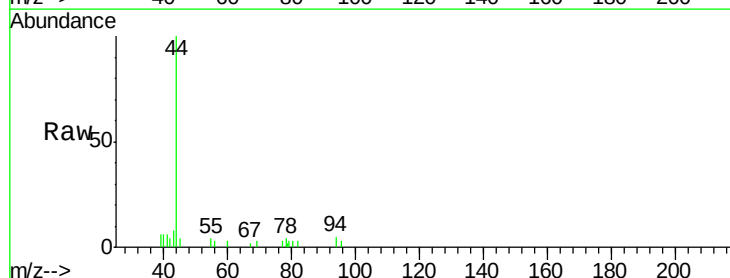
Acq: 15 Apr 2018 15:46

Tgt Ion: 94 Resp: 251

Ion Ratio Lower Upper

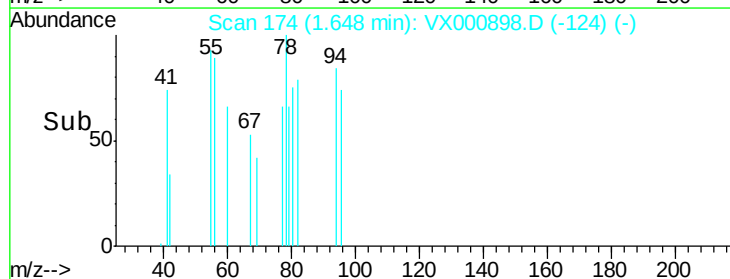
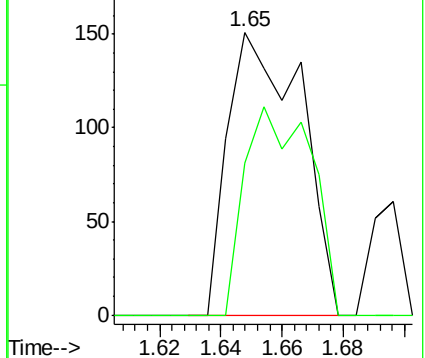
94 100

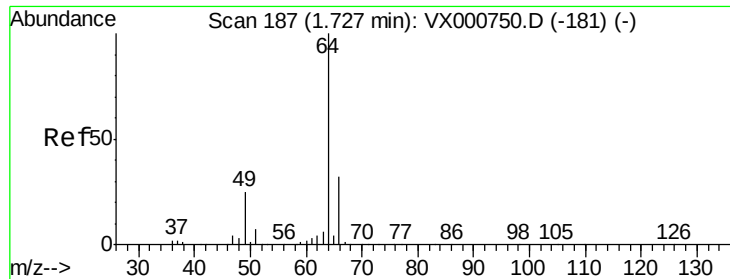
96 53.6 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.28 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000898.D

Acq: 15 Apr 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

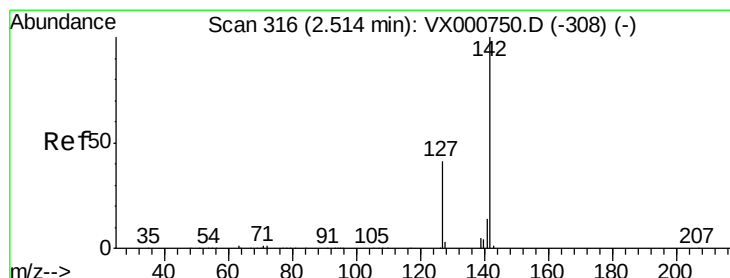
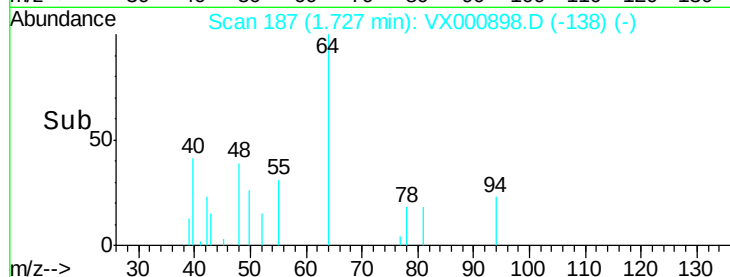
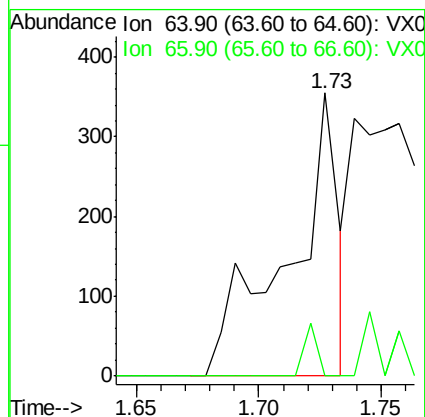
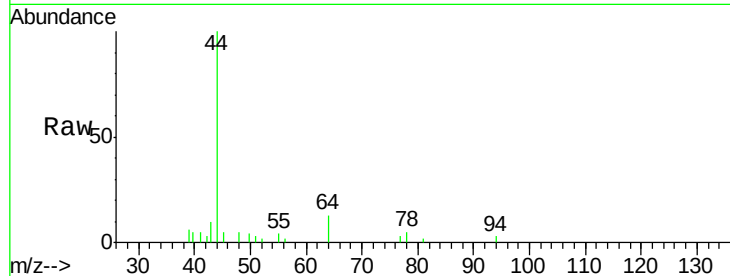
PB108205ZHE#12 5X

Tgt Ion: 64 Resp: 499

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#10

Methyl Iodide

Concen: 8.27 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000898.D

Acq: 15 Apr 2018 15:46

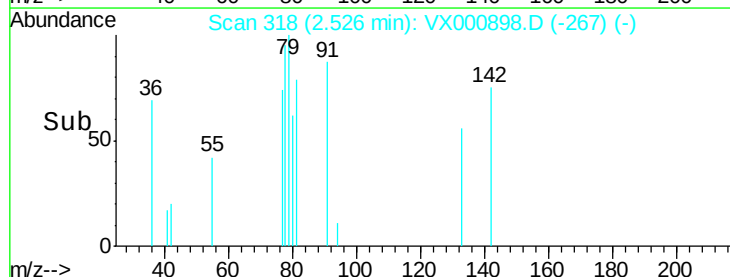
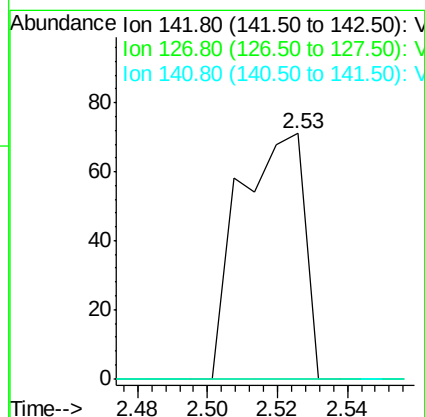
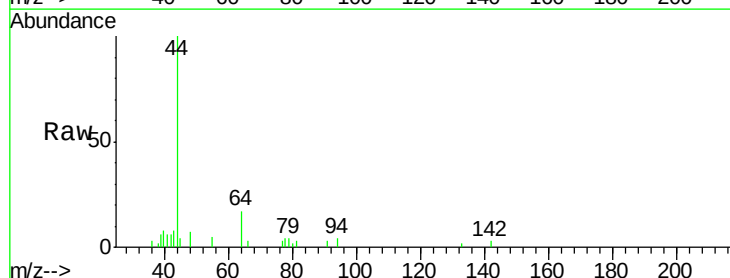
Tgt Ion: 142 Resp: 92

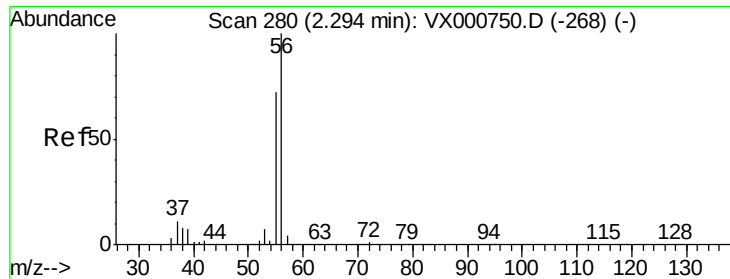
Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

141 0.0 11.5 17.3#





#13

Acrolein

Concen: 0.56 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000898.D

Acq: 15 Apr 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

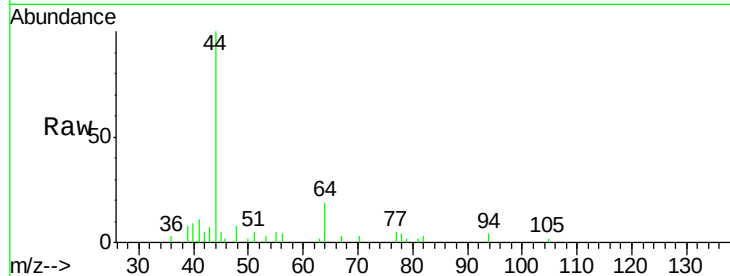
PB108205ZHE#12 5X

Tgt Ion: 56 Resp: 166

Ion Ratio Lower Upper

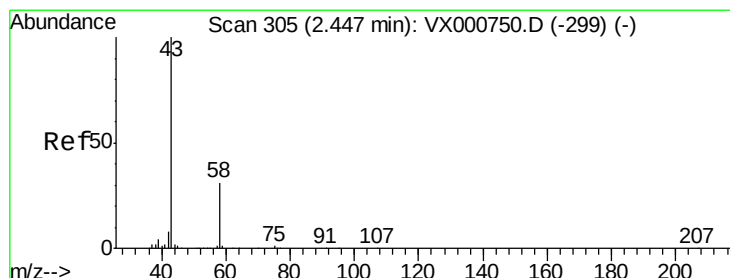
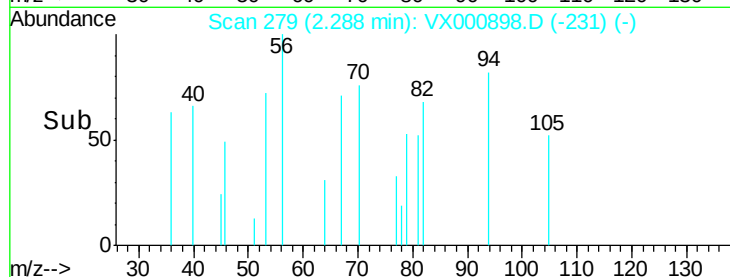
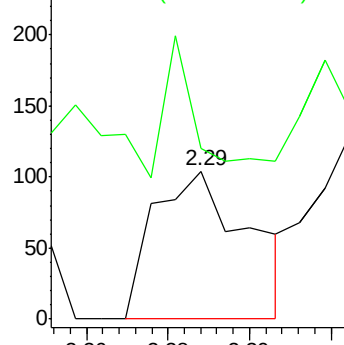
56 100

55 29.5 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: 2.41 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000898.D

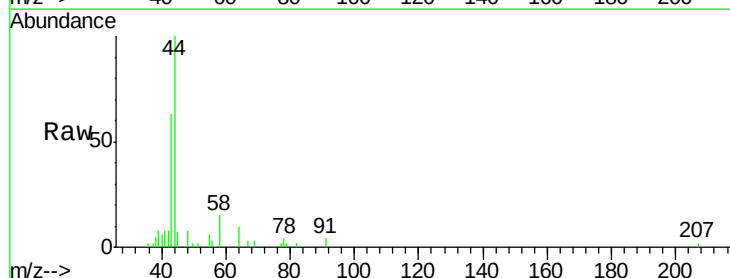
Acq: 15 Apr 2018 15:46

Tgt Ion: 43 Resp: 2867

Ion Ratio Lower Upper

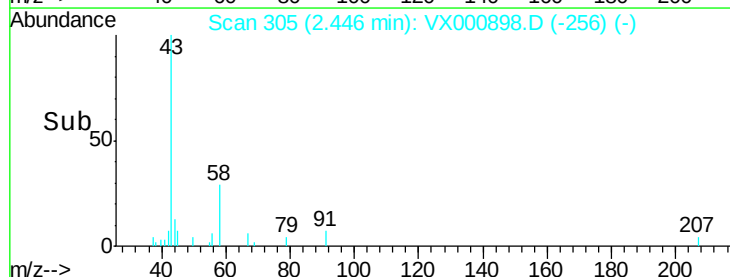
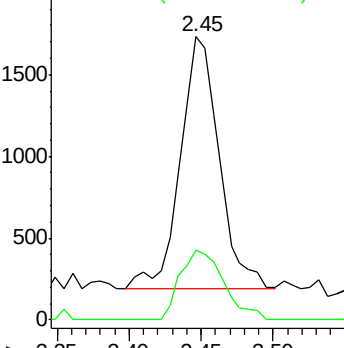
43 100

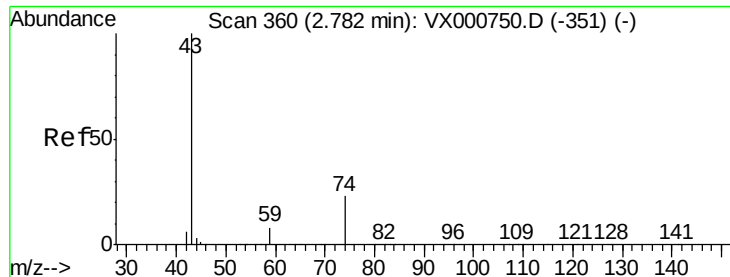
58 27.5 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

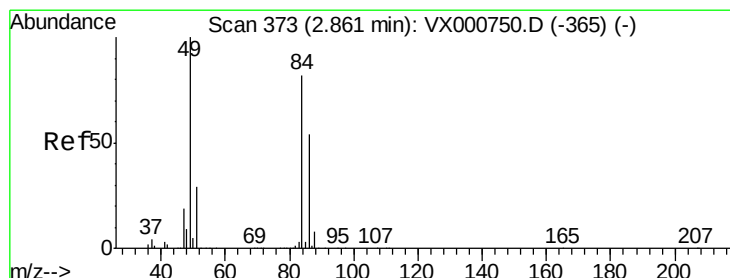
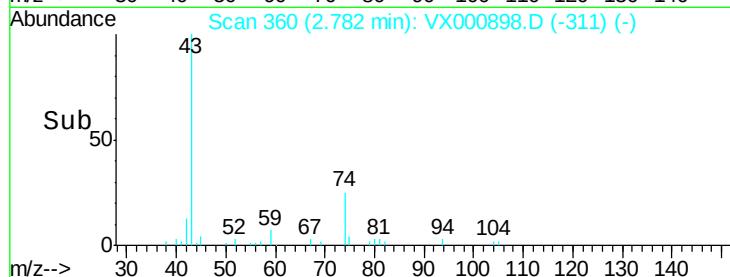
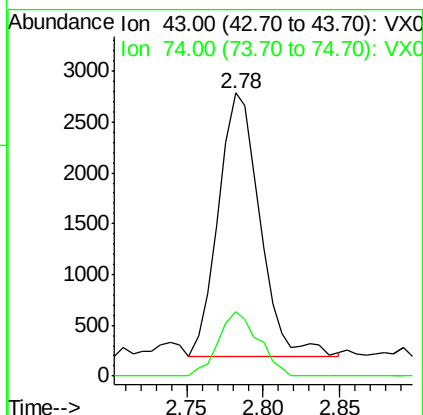
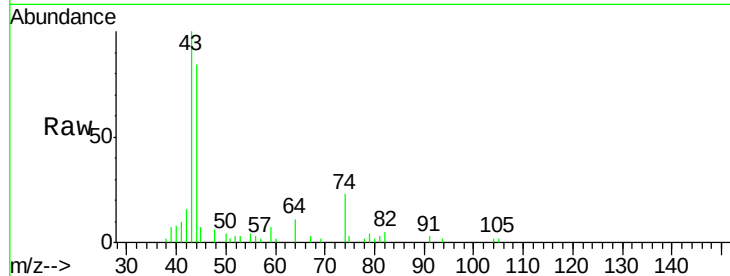




#18
Methyl Acetate
Concen: 1.58 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX000898.D
Acq: 15 Apr 2018 15:46

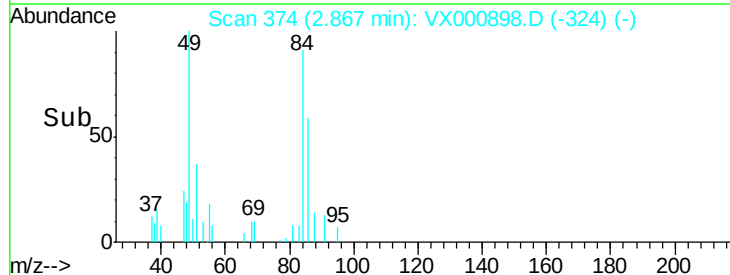
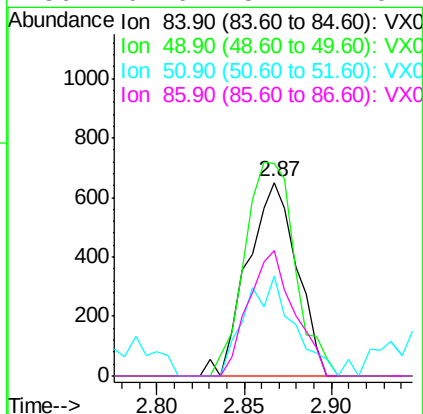
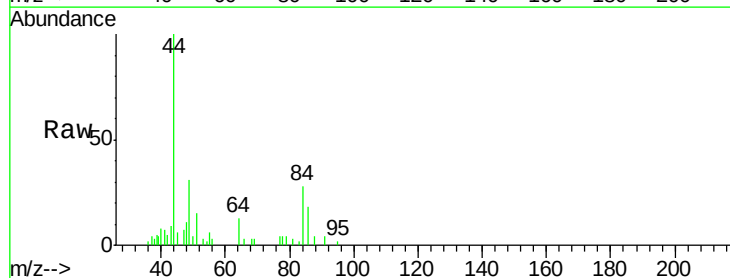
Instrument :
MSVOA_X
ClientSampleId :
PB108205ZHE#12 5X

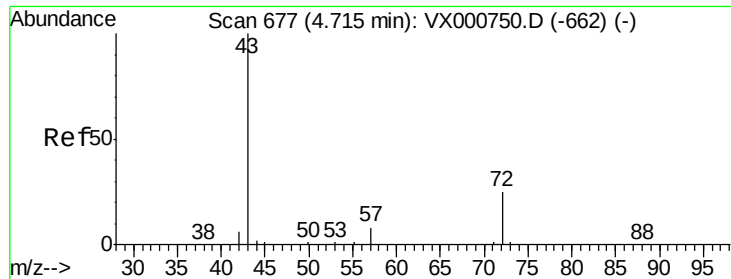
Tgt Ion: 43 Resp: 4862
Ion Ratio Lower Upper
43 100
74 23.8 19.1 28.7



#20
Methylene Chloride
Concen: 0.46 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000898.D
Acq: 15 Apr 2018 15:46

Tgt Ion: 84 Resp: 1274
Ion Ratio Lower Upper
84 100
49 109.8 98.1 147.1
51 51.5 28.9 43.3#
86 64.6 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: VX000898.D

Acq: 15 Apr 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

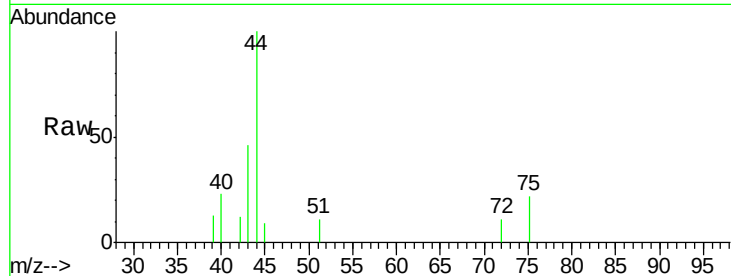
PB108205ZHE#12 5X

Tgt Ion: 43 Resp: 456

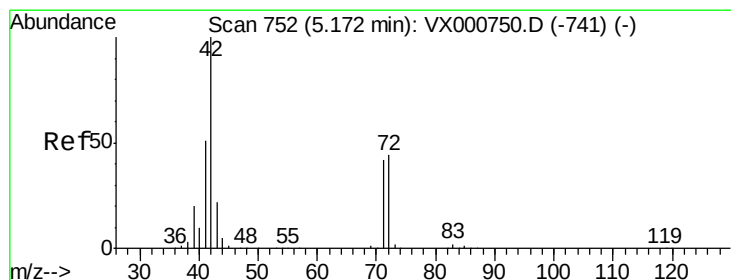
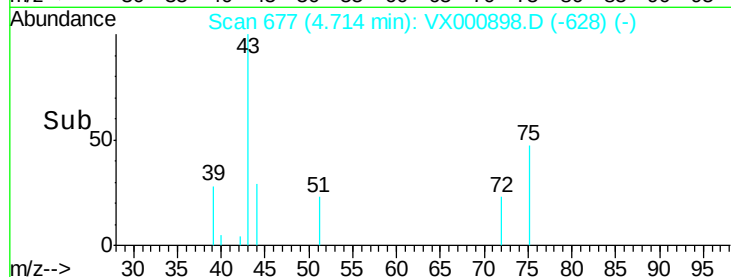
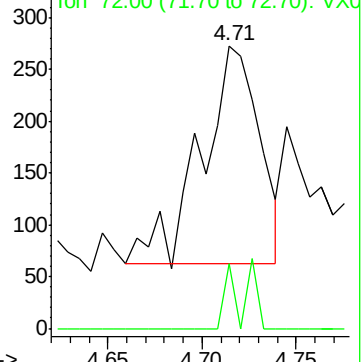
Ion Ratio Lower Upper

43 100

72 29.9 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VX0



#29

Tetrahydrofuran

Concen: 0.44 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000898.D

Acq: 15 Apr 2018 15:46

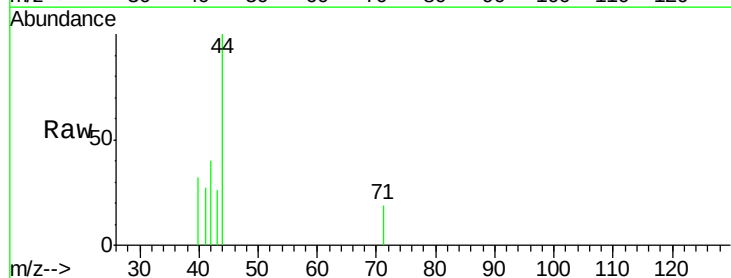
Tgt Ion: 42 Resp: 551

Ion Ratio Lower Upper

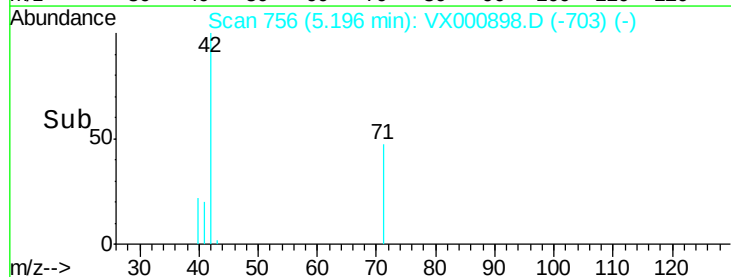
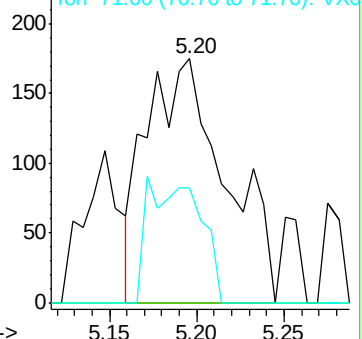
42 100

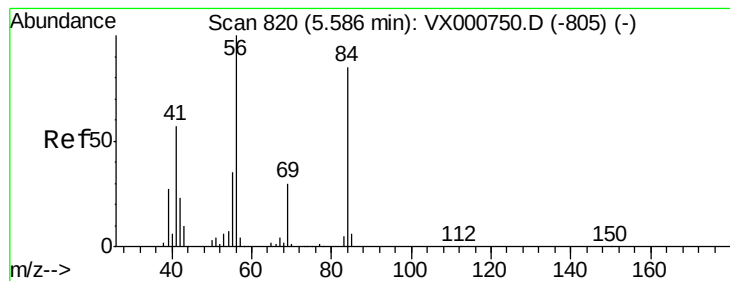
72 0.0 35.1 52.7#

71 0.0 32.8 49.2#



Abundance Ion 42.00 (41.70 to 42.70): VX0





#31

Cyclohexane

Concen: 1.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000898.D

Acq: 15 Apr 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

PB108205ZHE#12 5X

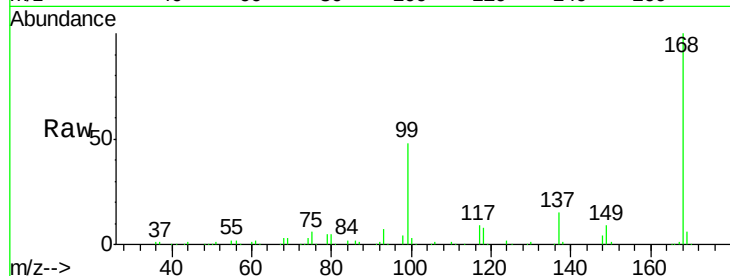
Tgt Ion: 56 Resp: 4552

Ion Ratio Lower Upper

56 100

69 175.0 24.2 36.4#

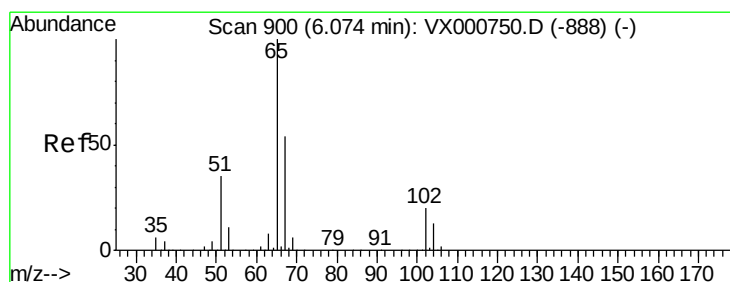
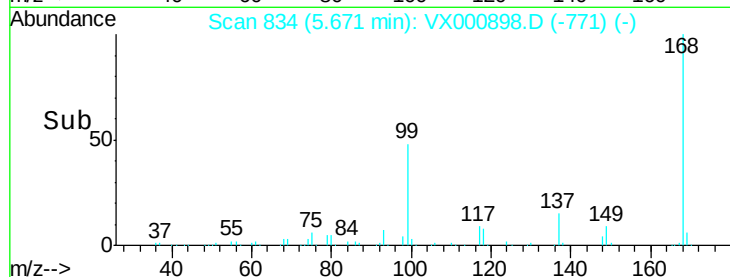
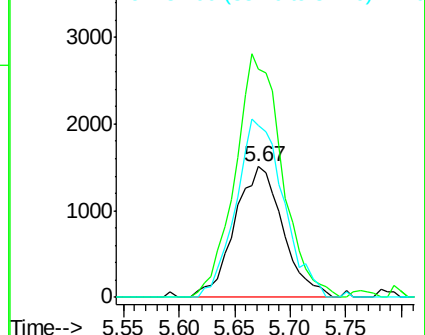
84 131.8 67.6 101.4#



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: 47.51 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000898.D

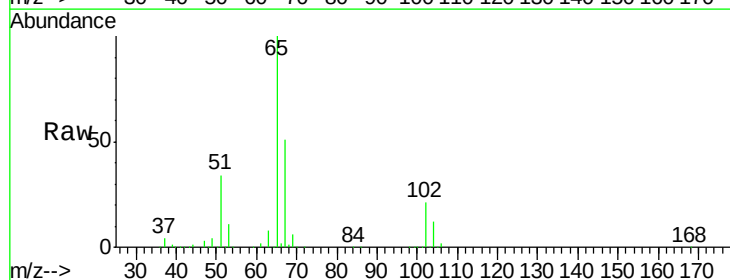
Acq: 15 Apr 2018 15:46

Tgt Ion: 65 Resp: 163668

Ion Ratio Lower Upper

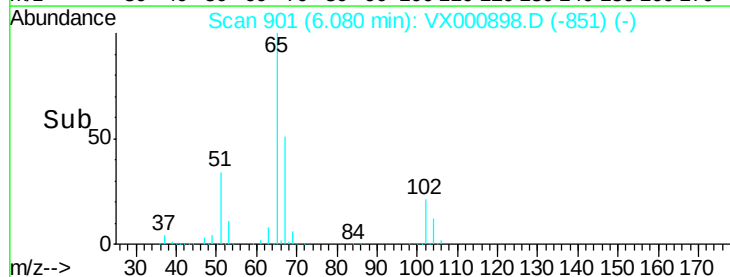
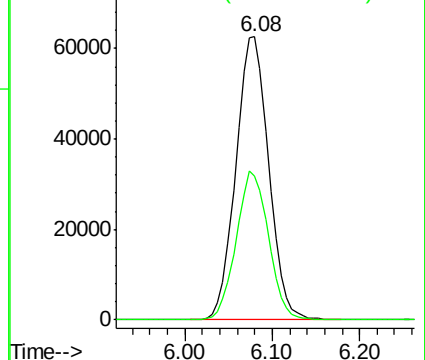
65 100

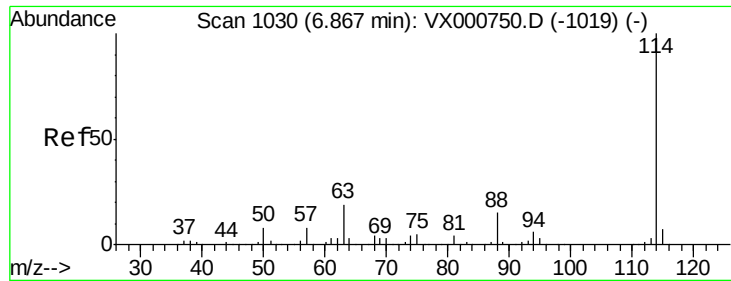
67 51.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

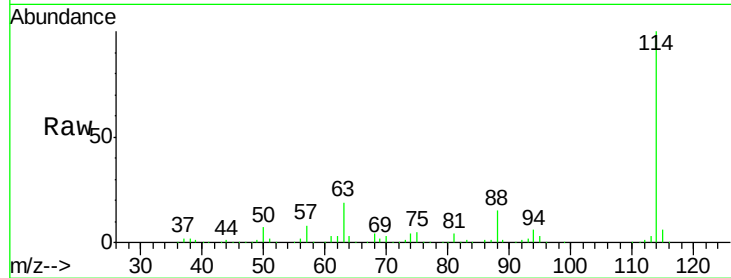




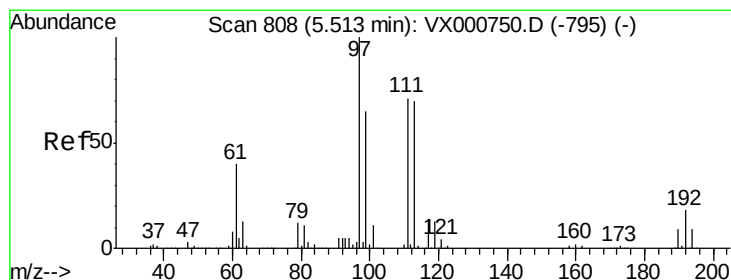
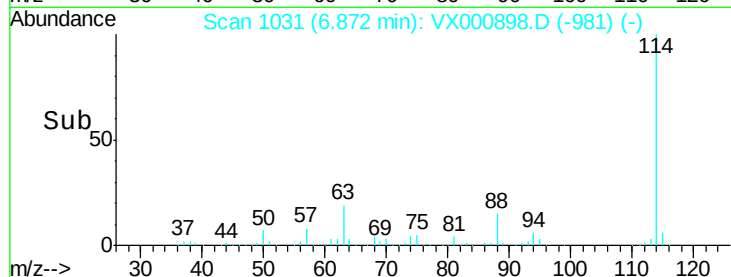
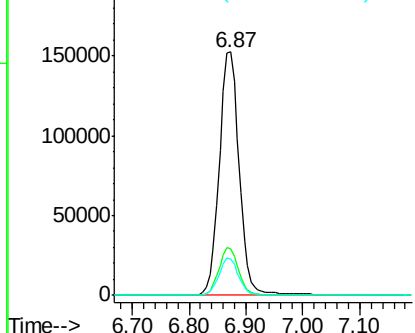
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000898.D
 Acq: 15 Apr 2018 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108205ZHE#12 5X

Tgt Ion:114 Resp: 372649
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.4
 88 15.1 0.0 31.0

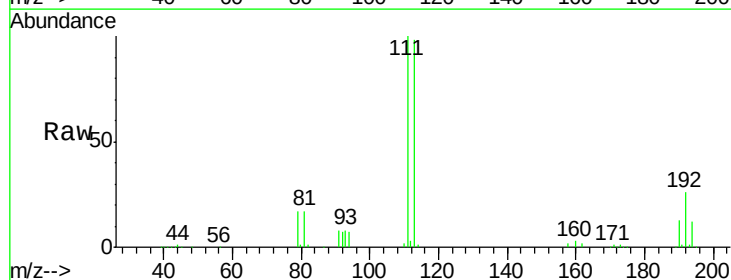


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

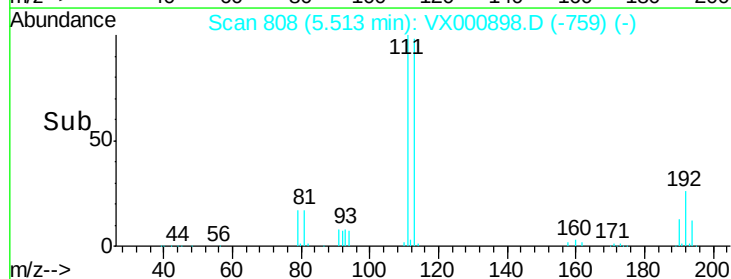
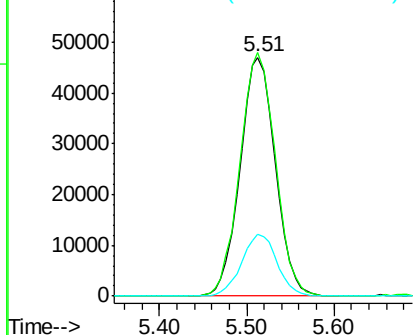


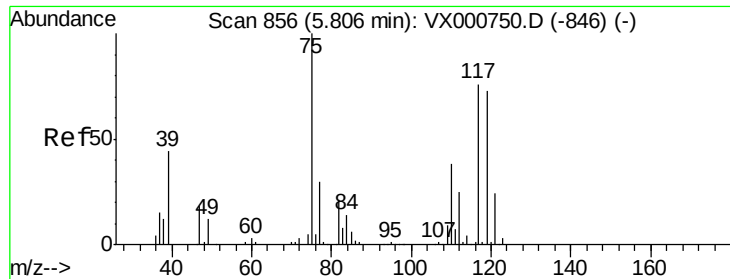
#35
 Dibromofluoromethane
 Concen: 45.88 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000898.D
 Acq: 15 Apr 2018 15:46

Tgt Ion:113 Resp: 131711
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.5 122.3
 192 26.0 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

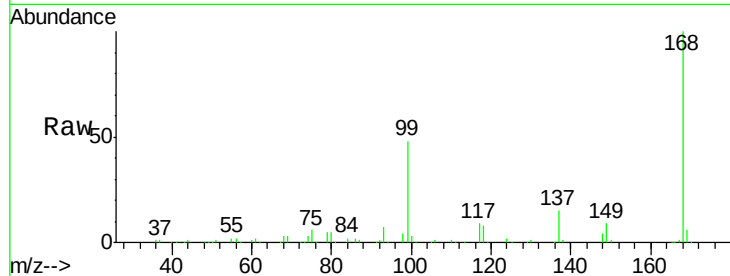




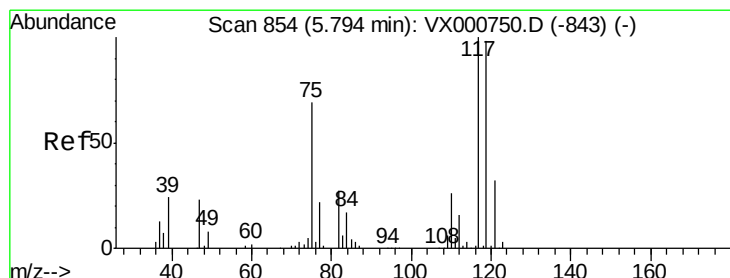
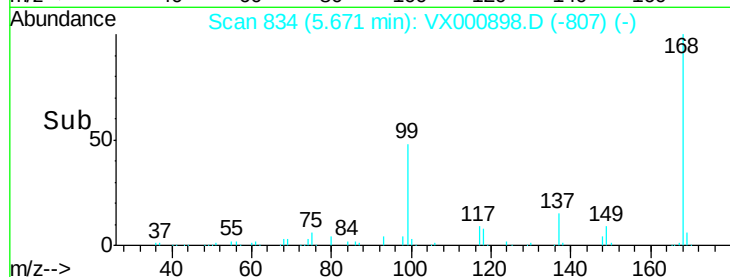
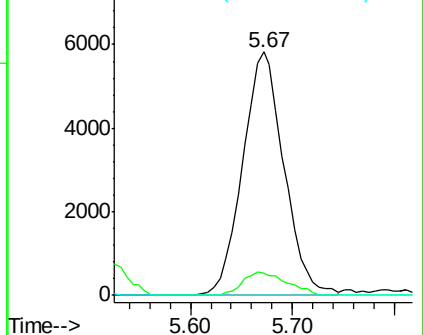
#36
 1,1-Dichloropropene
 Concen: 3.99 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000898.D
 Acq: 15 Apr 2018 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108205ZHE#12 5X

Tgt Ion: 75 Resp: 16382
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.2 57.6#
 77 0.0 25.4 38.2#

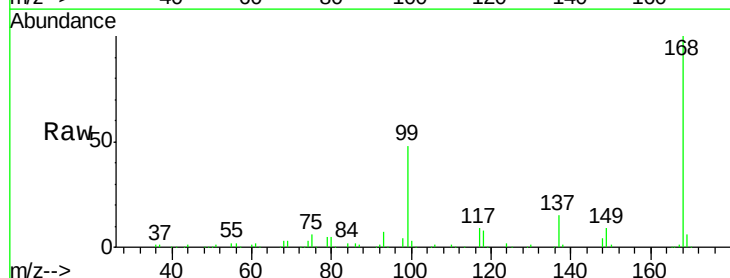


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

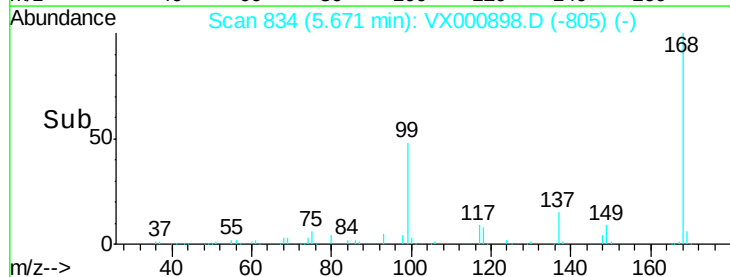
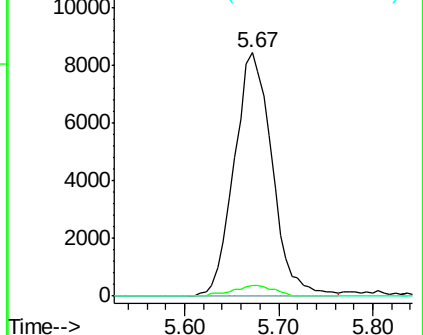


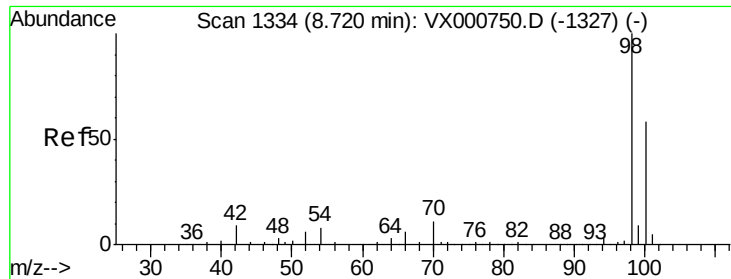
#38
 Carbon Tetrachloride
 Concen: 5.15 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000898.D
 Acq: 15 Apr 2018 15:46

Tgt Ion: 117 Resp: 23652
 Ion Ratio Lower Upper
 117 100
 119 4.2 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: 48.25 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000898.D

Acq: 15 Apr 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

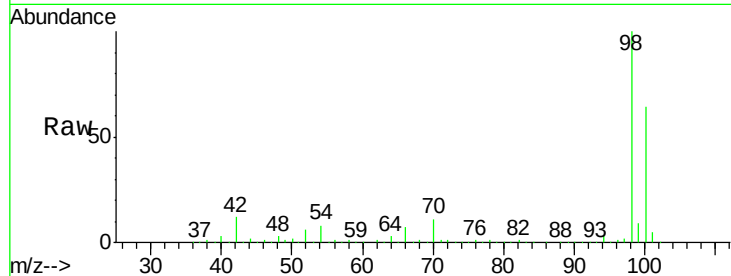
PB108205ZHE#12 5X

Tgt Ion: 98 Resp: 515743

Ion Ratio Lower Upper

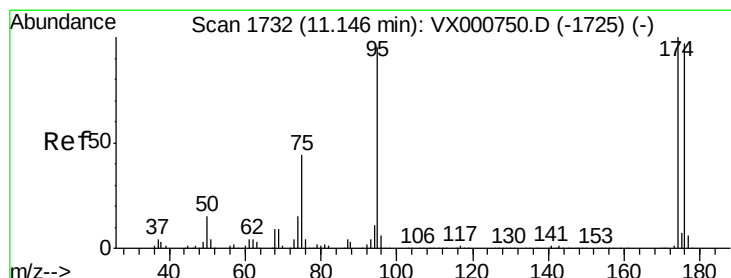
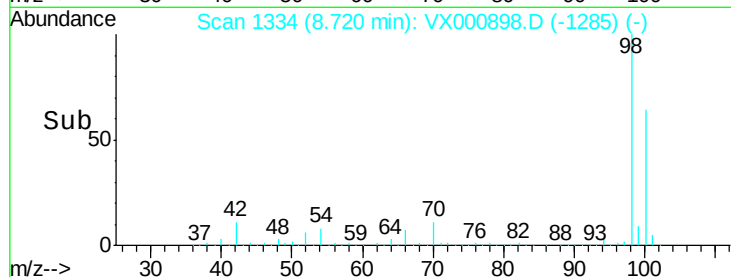
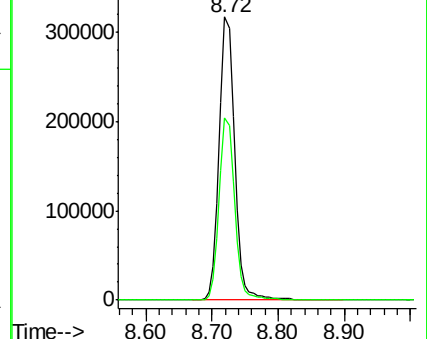
98 100

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: 45.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000898.D

Acq: 15 Apr 2018 15:46

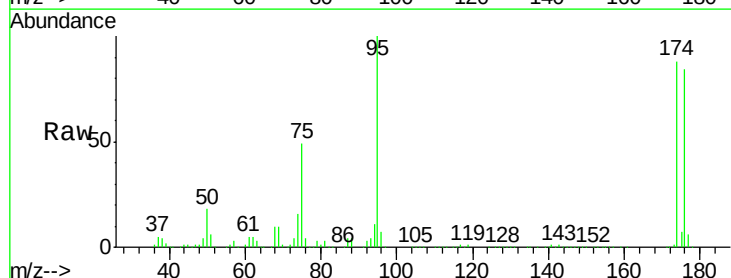
Tgt Ion: 95 Resp: 199933

Ion Ratio Lower Upper

95 100

174 98.3 0.0 198.4

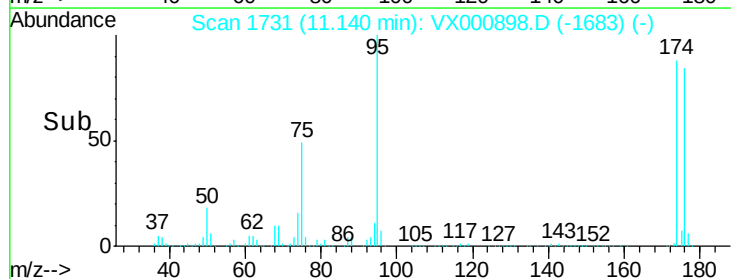
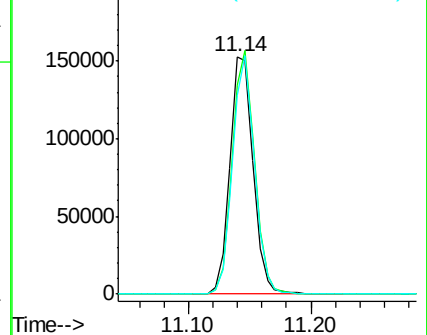
176 94.8 0.0 194.4

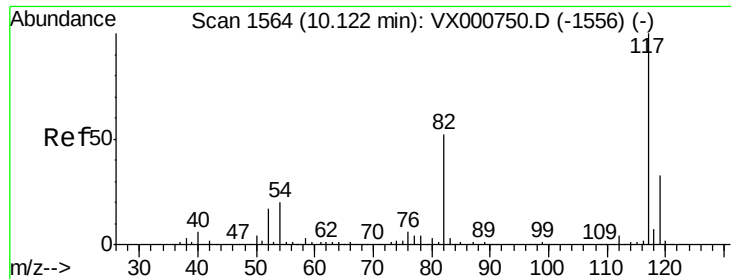


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

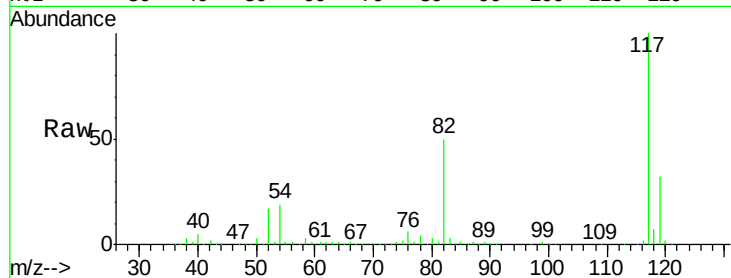




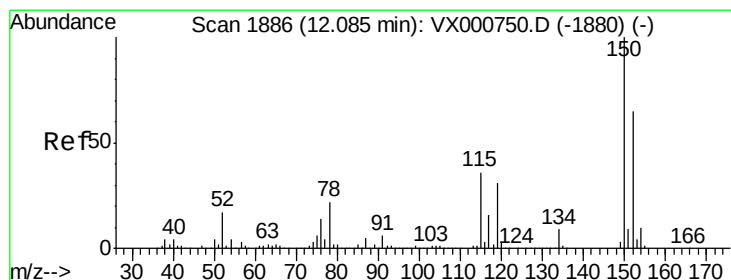
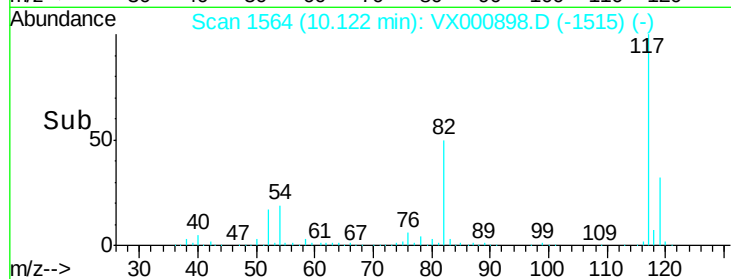
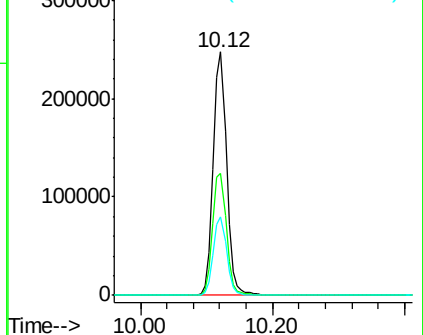
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000898.D
Acq: 15 Apr 2018 15:46

Instrument :
MSVOA_X
ClientSampleId :
PB108205ZHE#12 5X

Tgt Ion:117 Resp: 345061
Ion Ratio Lower Upper
117 100
82 50.1 41.9 62.9
119 32.4 26.0 39.0

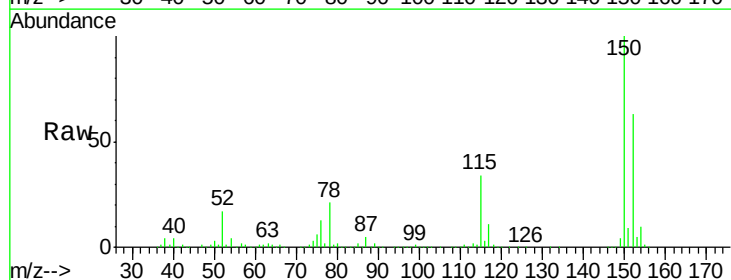


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

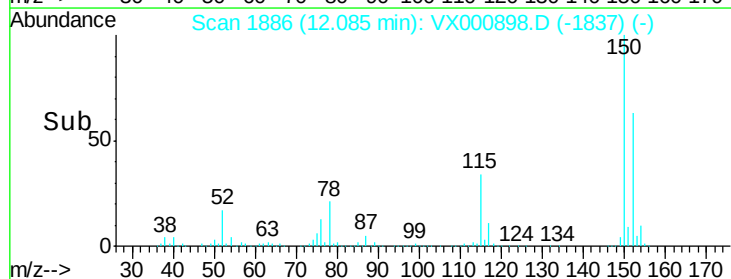
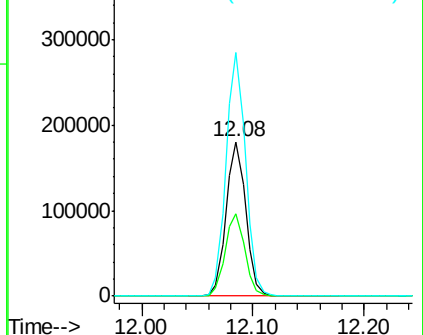


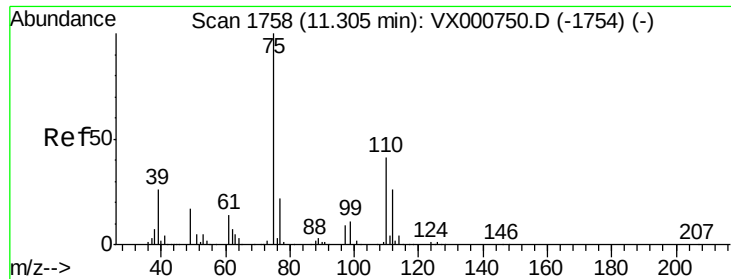
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000898.D
Acq: 15 Apr 2018 15:46

Tgt Ion:152 Resp: 220707
Ion Ratio Lower Upper
152 100
115 53.5 37.9 113.7
150 156.7 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

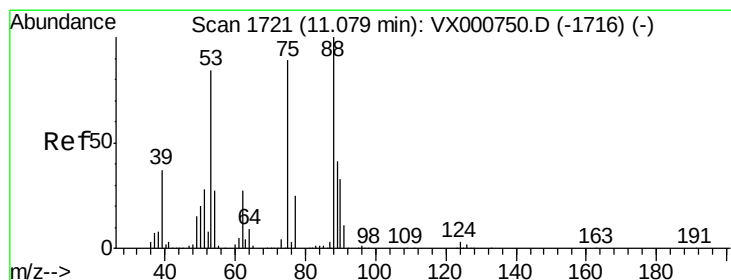
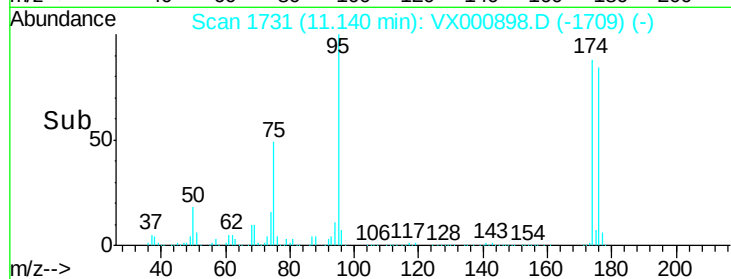
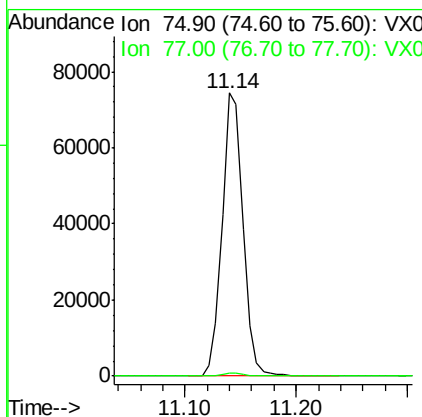
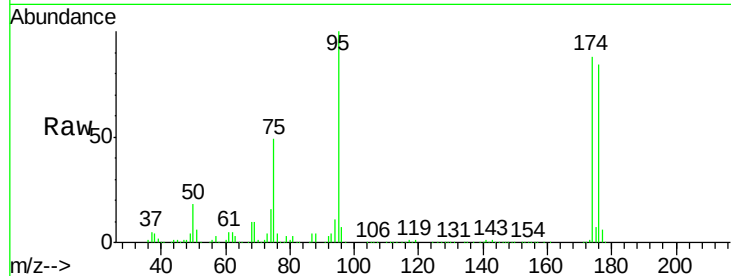




#76
 1,2,3-Trichloropropane
 Concen: 25.35 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000898.D
 Acq: 15 Apr 2018 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108205ZHE#12 5X

Tgt Ion: 75 Resp: 96474
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.72 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000898.D
 Acq: 15 Apr 2018 15:46

Tgt Ion: 75 Resp: 96474
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

