

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042718\
 Data File : VX001200.D
 Acq On : 28 Apr 2018 04:49
 Operator : JC/MD
 Sample : J2507-04 200X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY032MW006-180419

Quant Time: Apr 28 06:51:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	197962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	275044	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	247583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144172	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	155711	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
35) Dibromofluoromethane	5.51	113	121038	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
50) Toluene-d8	8.72	98	464549	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	
62) 4-Bromofluorobenzene	11.14	95	157841	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	

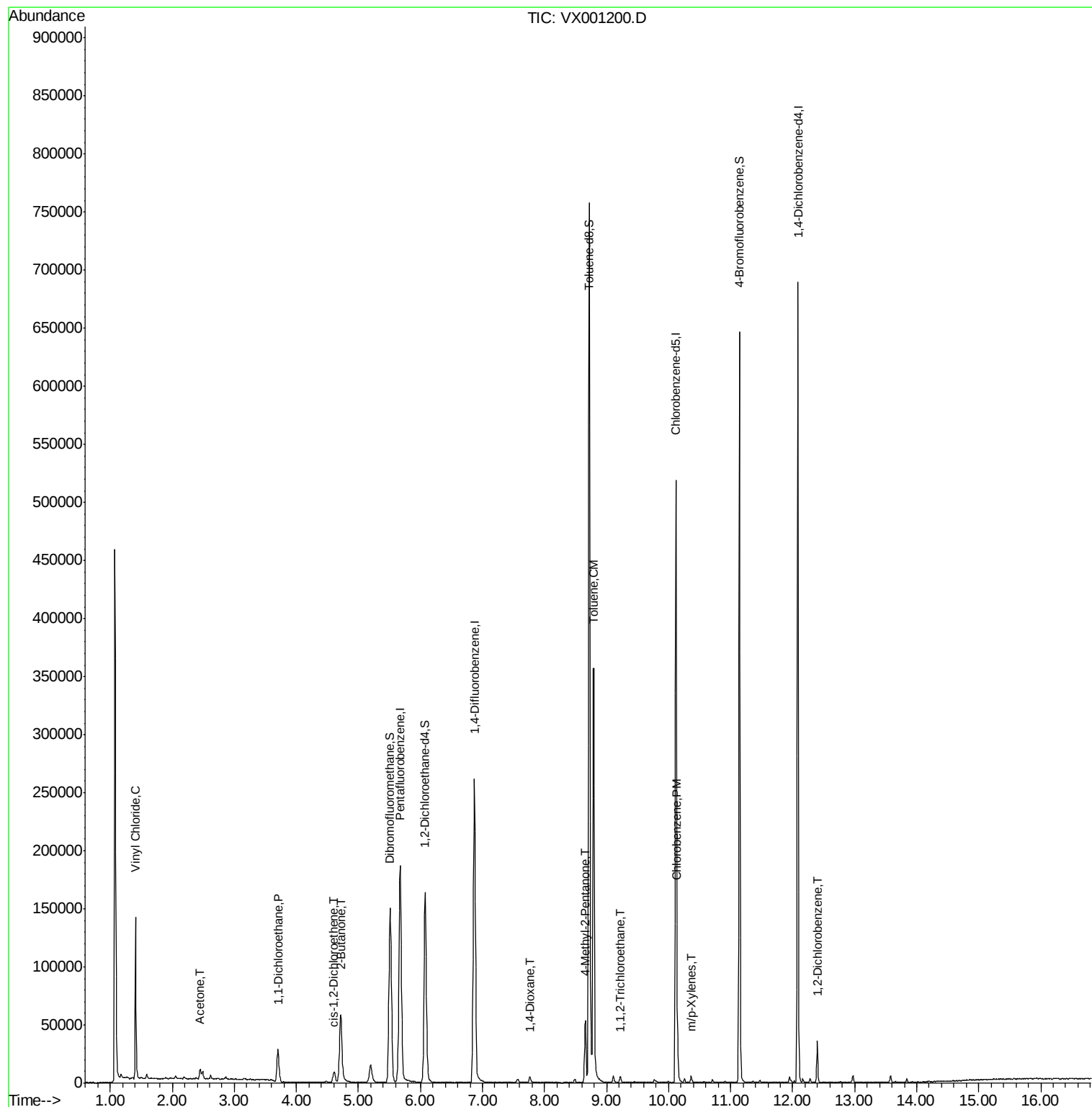
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	92895	40.27	ug/l	98
16) Acetone	2.45	43	9047	7.17	ug/l	99
24) 1,1-Dichloroethane	3.70	63	29898	7.79	ug/l	98
25) 2-Butanone	4.71	43	106159	56.22	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	5794	2.39	ug/l	89
49) 1,4-Dioxane	7.76	88	3629	59.82	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	32780	8.75	ug/l	98
52) Toluene	8.79	92	137896	24.05	ug/l	100
55) 1,1,2-Trichloroethane	9.23	97	1276	0.53	ug/l #	87
65) Chlorobenzene	10.14	112	10340	1.59	ug/l	99
68) m/p-Xylenes	10.37	106	1265	0.30	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	11796	2.33	ug/l	99

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001200.D

Acq: 28 Apr 2018 04:49

Instrument :

MSVOA_X

ClientSampleId :

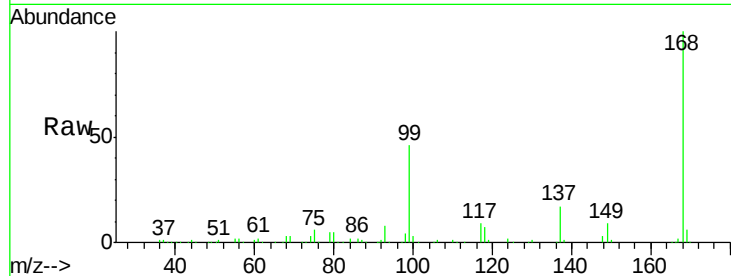
KY032MW006-180419

Tot Ion:168 Resp: 197962

Ion Ratio Lower Upper

168 100

99 46.4 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

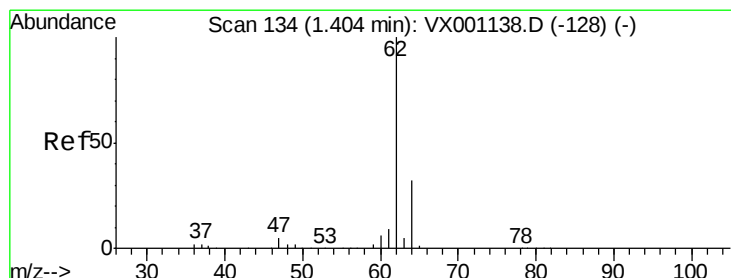
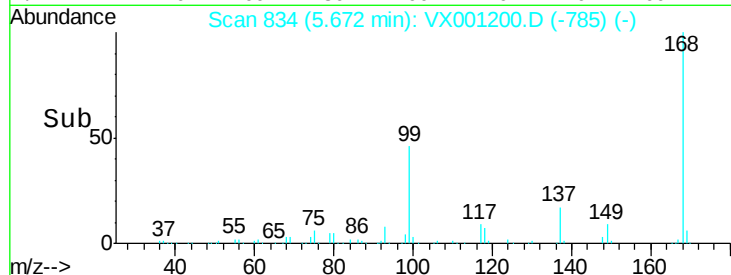
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 40.27 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001200.D

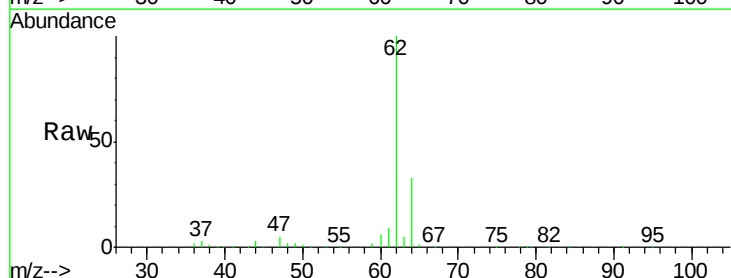
Acq: 28 Apr 2018 04:49

Tgt Ion: 62 Resp: 92895

Ion Ratio Lower Upper

62 100

64 33.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

80000

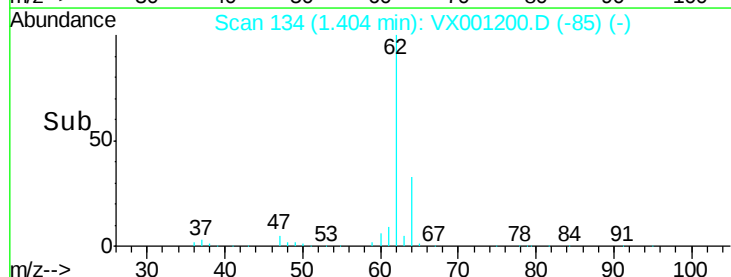
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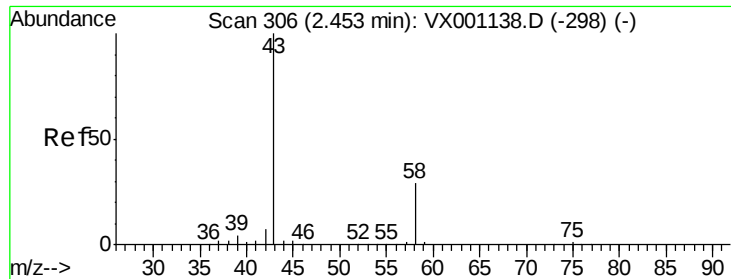
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20000

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Time-->





#16

Acetone

Concen: 7.17 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001200.D

Acq: 28 Apr 2018 04:49

Instrument :

MSVOA_X

ClientSampleId :

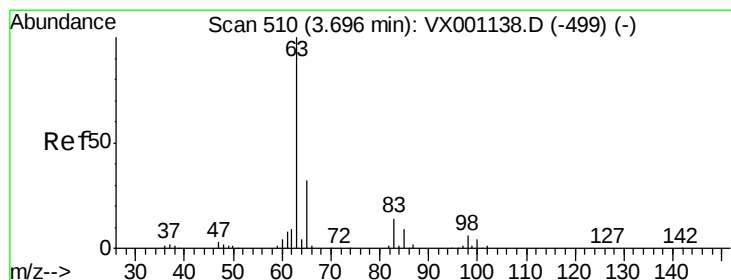
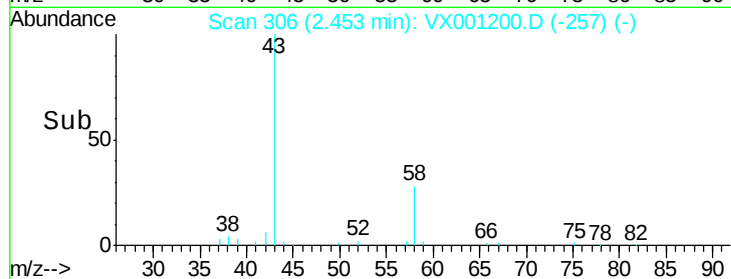
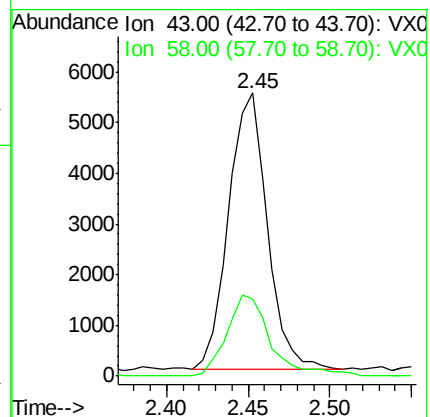
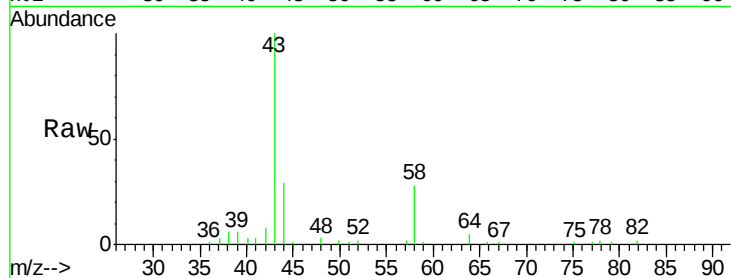
KY032MW006-180419

Tot Ion: 43 Resp: 9047

Ion Ratio Lower Upper

43 100

58 28.2 23.0 34.6



#24

1,1-Dichloroethane

Concen: 7.79 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001200.D

Acq: 28 Apr 2018 04:49

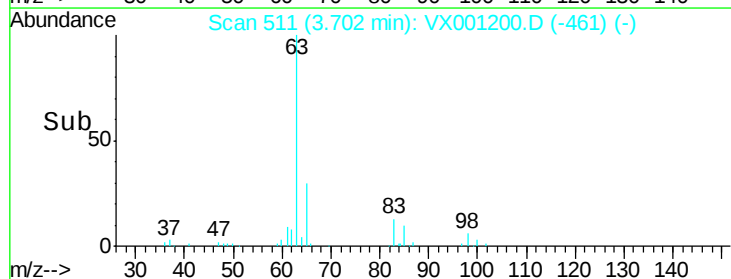
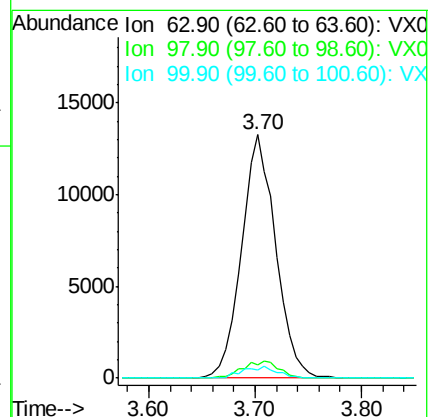
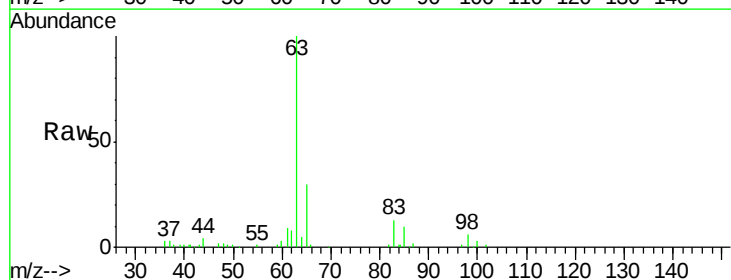
Tgt Ion: 63 Resp: 29898

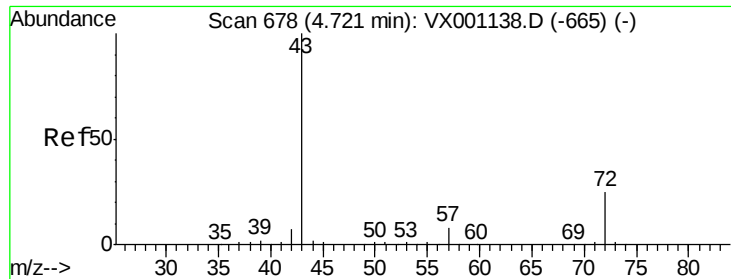
Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.4

100 3.4 2.1 6.5





#25

2-Butanone

Concen: 56.22 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX001200.D

Acq: 28 Apr 2018 04:49

Instrument :

MSVOA_X

ClientSampleId :

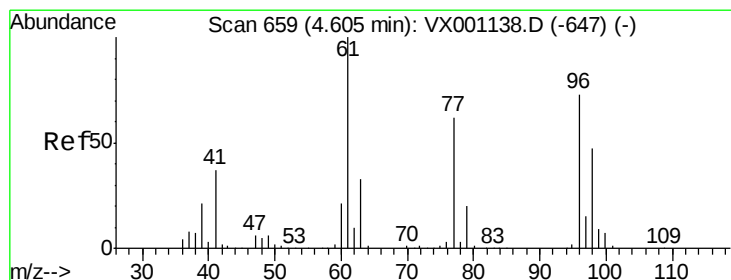
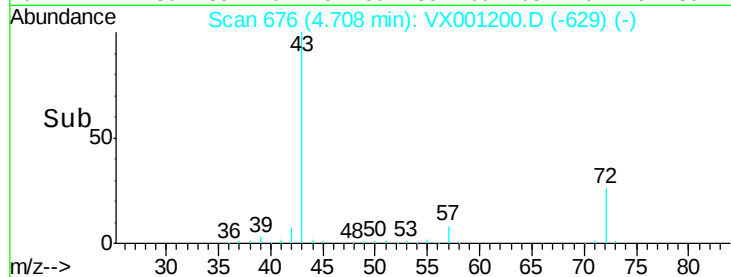
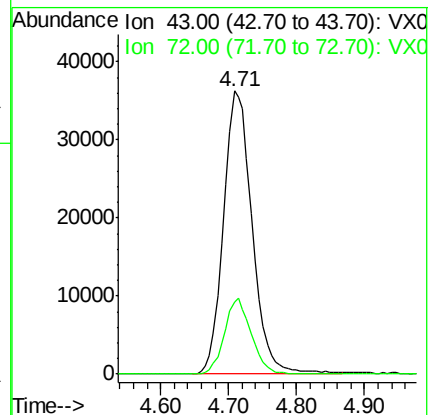
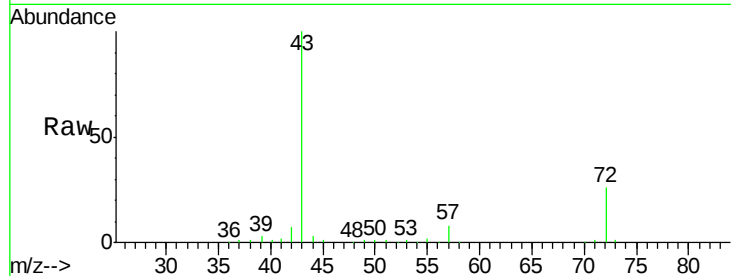
KY032MW006-180419

Tot Ion: 43 Resp: 106159

Ion Ratio Lower Upper

43 100

72 25.6 20.0 30.0



#27

cis-1,2-Dichloroethene

Concen: 2.39 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001200.D

Acq: 28 Apr 2018 04:49

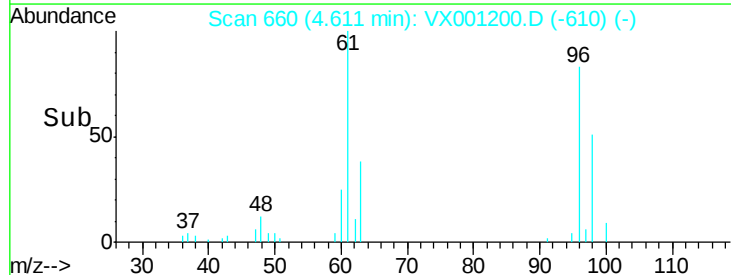
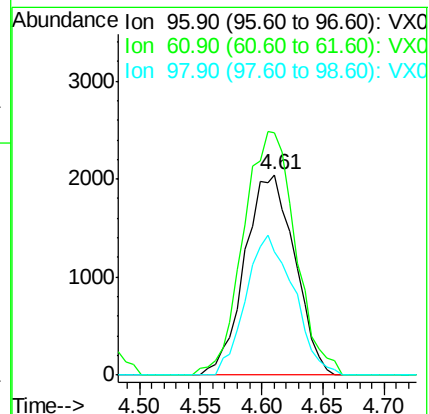
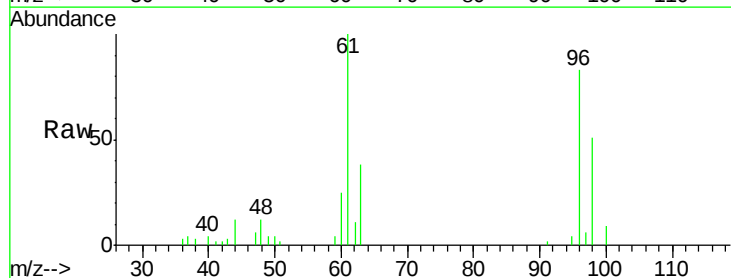
Tgt Ion: 96 Resp: 5794

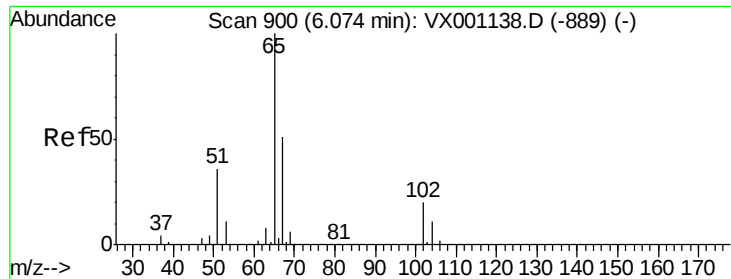
Ion Ratio Lower Upper

96 100

61 126.4 0.0 289.0

98 67.1 0.0 128.2

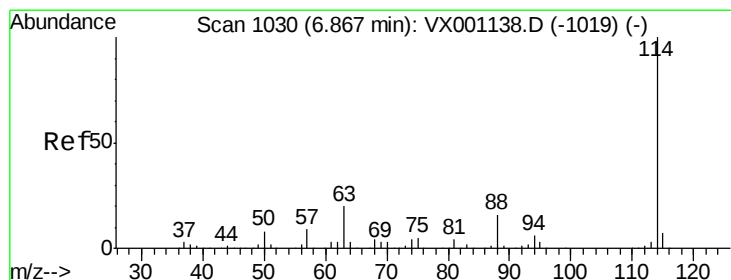
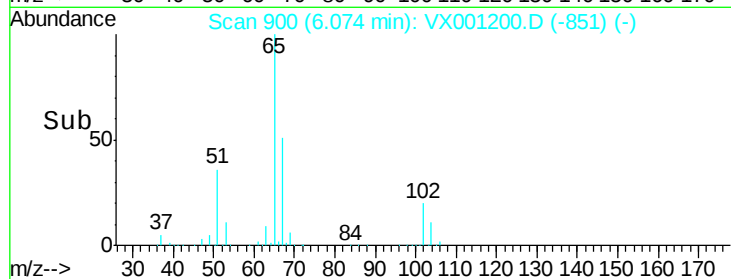
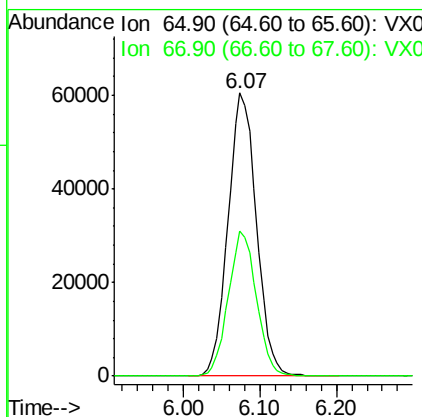
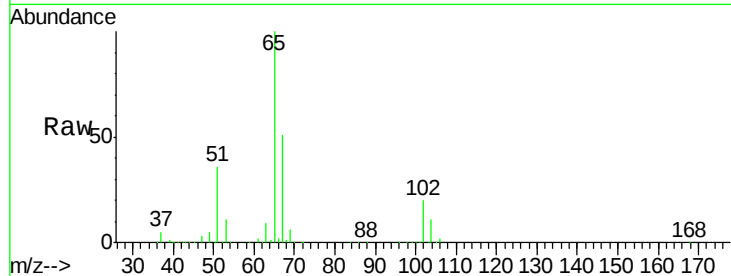




#33
 1,2-Dichloroethane-d4
 Concen: 50.74 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001200.D
 Acq: 28 Apr 2018 04:49

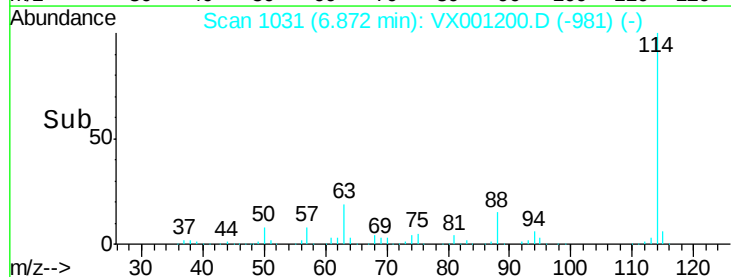
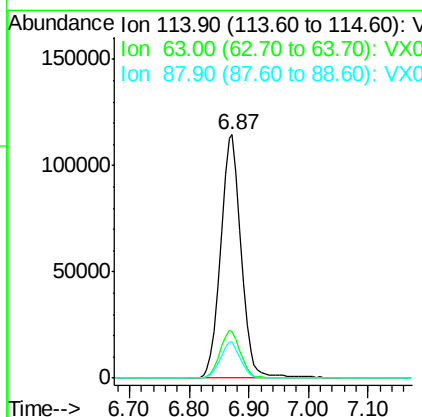
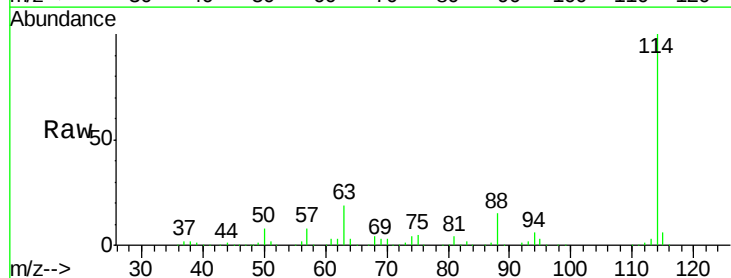
Instrument :
 MSVOA_X
 ClientSampleId :
 KY032MW006-180419

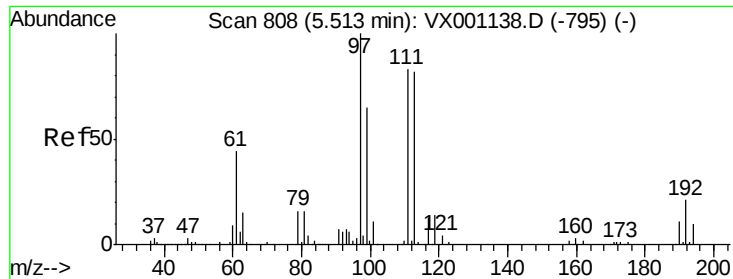
Tot Ion: 65 Resp: 155711
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001200.D
 Acq: 28 Apr 2018 04:49

Tgt Ion: 114 Resp: 275044
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.4
 88 15.0 0.0 31.8

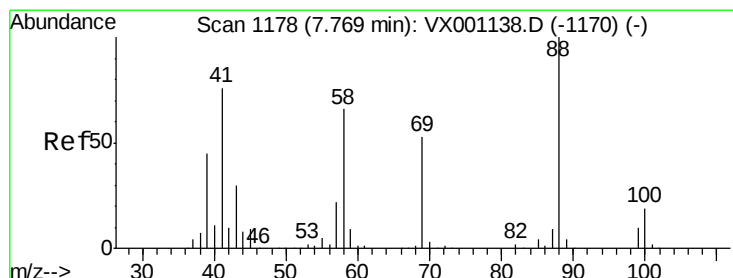
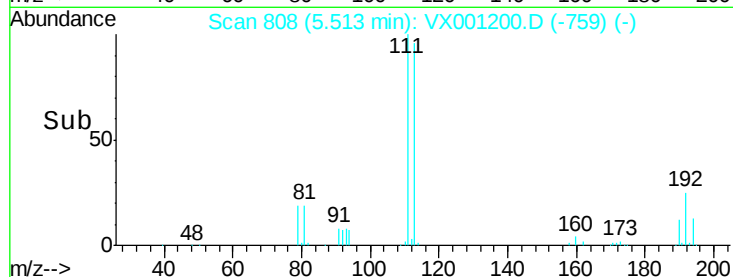
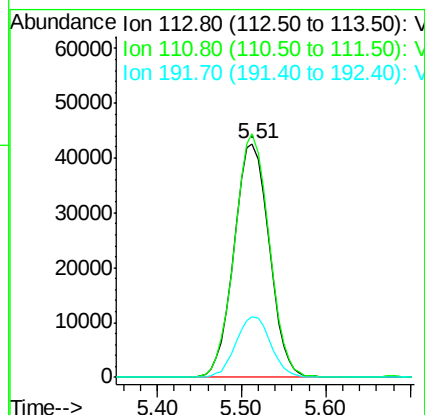
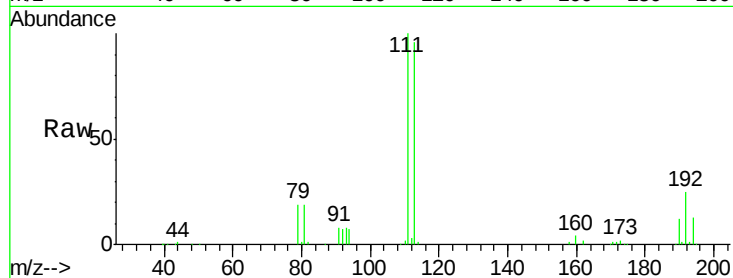




#35
 Dibromofluoromethane
 Concen: 53.17 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001200.D
 Acq: 28 Apr 2018 04:49

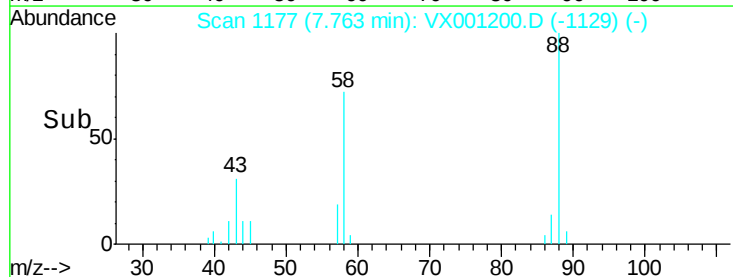
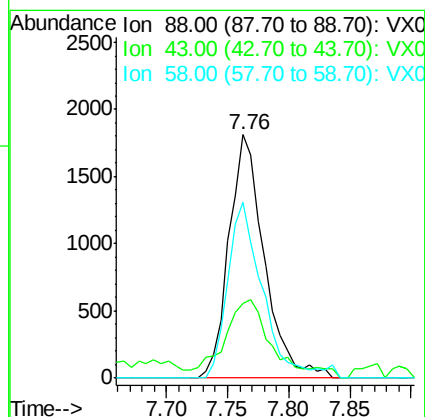
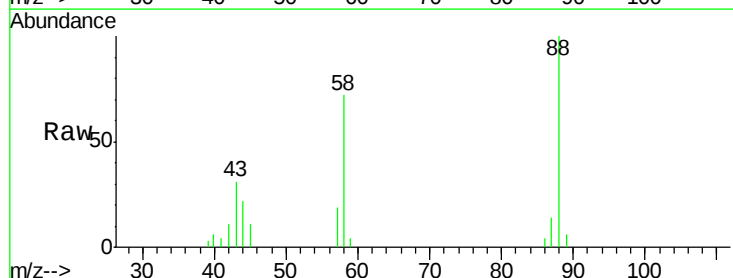
Instrument :
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 ClientSampleId :
 KY032MW006-180419

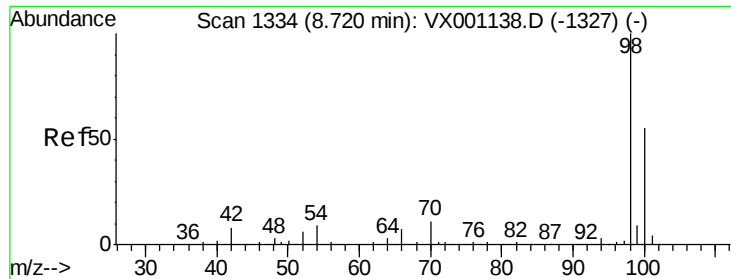
Tot Ion:113 Resp: 121038
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.4
 192 25.8 20.6 30.8



#49
 1,4-Dioxane
 Concen: 59.82 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: VX001200.D
 Acq: 28 Apr 2018 04:49

Tgt Ion: 88 Resp: 3629
 Ion Ratio Lower Upper
 88 100
 43 32.8 27.3 40.9
 58 69.8 54.2 81.4





#50

Toluene-d8

Concen: 54.07 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001200.D

Acq: 28 Apr 2018 04:49

Instrument :

MSVOA_X

ClientSampleId :

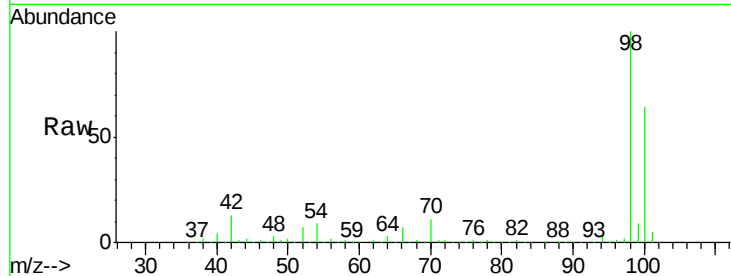
KY032MW006-180419

Tot Ion: 98 Resp: 464549

Ion Ratio Lower Upper

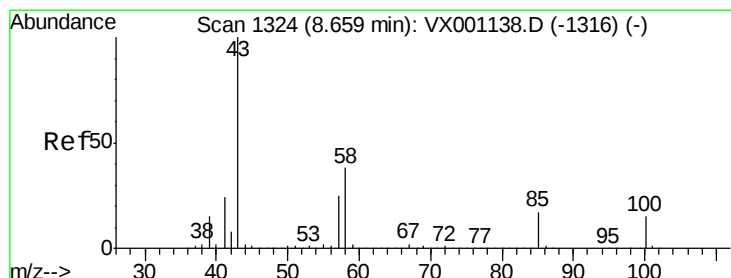
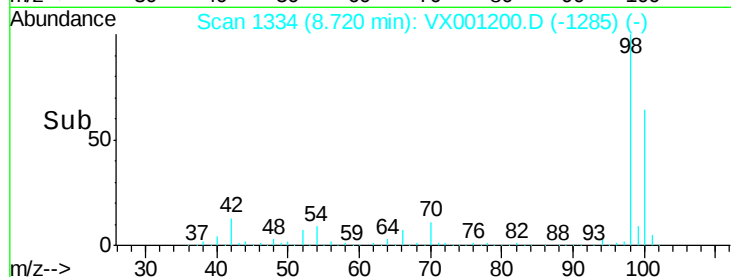
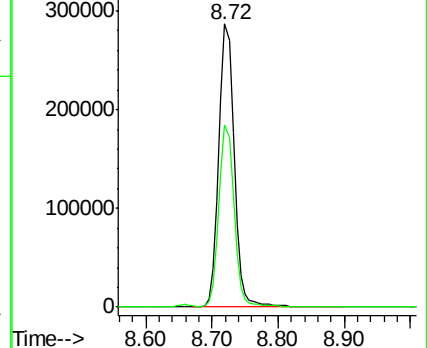
98 100

100 63.4 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 8.75 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX001200.D

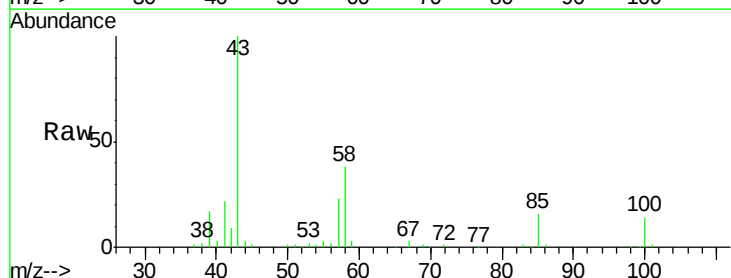
Acq: 28 Apr 2018 04:49

Tgt Ion: 43 Resp: 32780

Ion Ratio Lower Upper

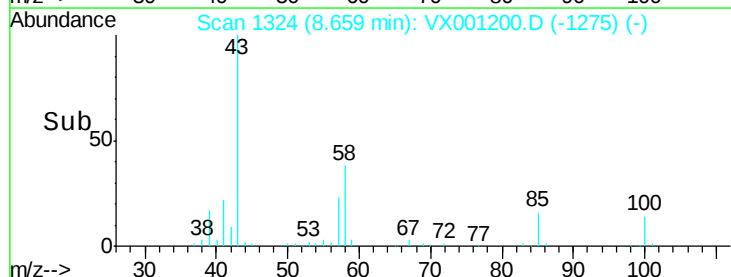
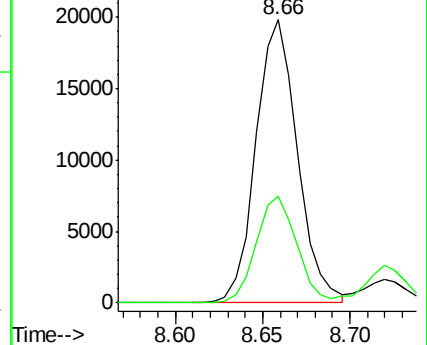
43 100

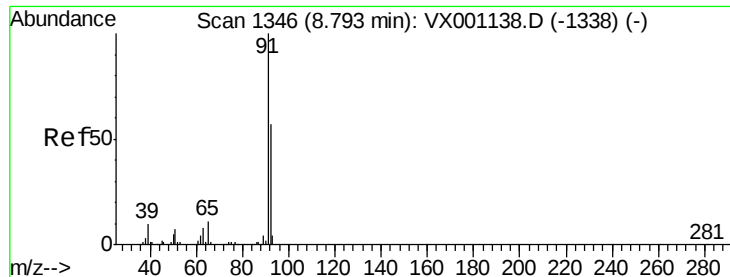
58 36.5 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 24.05 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001200.D

Acq: 28 Apr 2018 04:49

Instrument :

MSVOA_X

ClientSampleId :

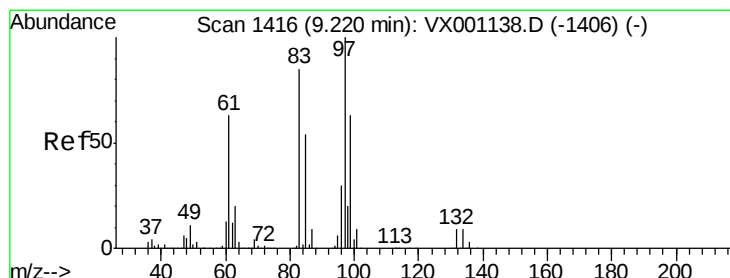
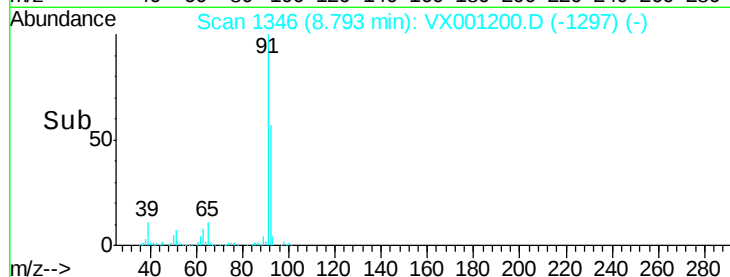
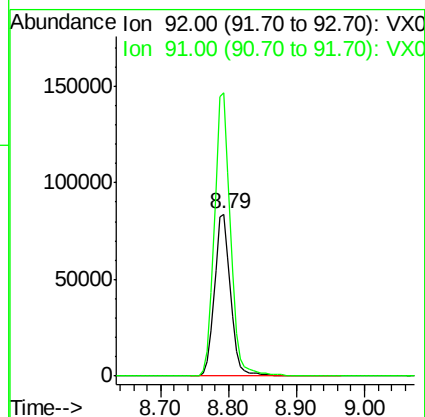
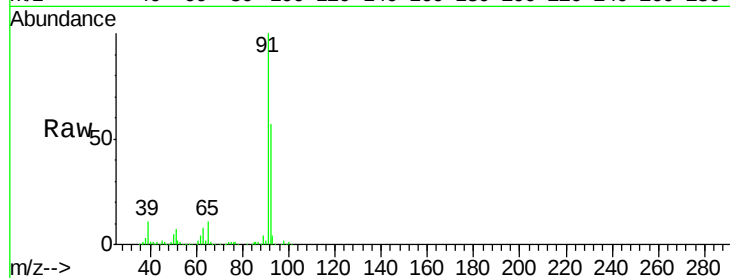
KY032MW006-180419

Tot Ion: 92 Resp: 137896

Ion Ratio Lower Upper

92 100

91 175.3 139.8 209.6



#55

1,1,2-Trichloroethane

Concen: 0.53 ug/l

RT: 9.23 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VX001200.D

Acq: 28 Apr 2018 04:49

Tgt Ion: 97 Resp: 1276

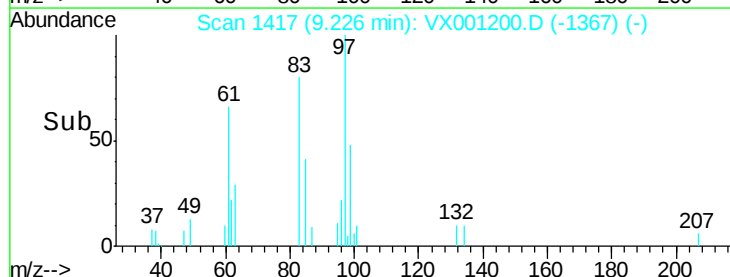
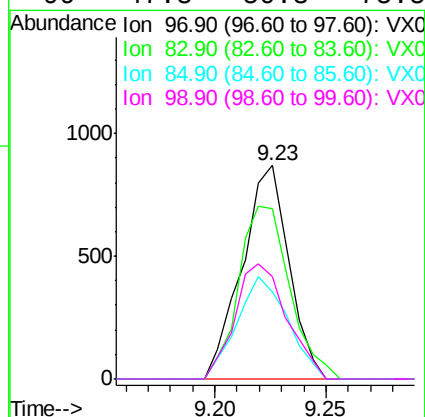
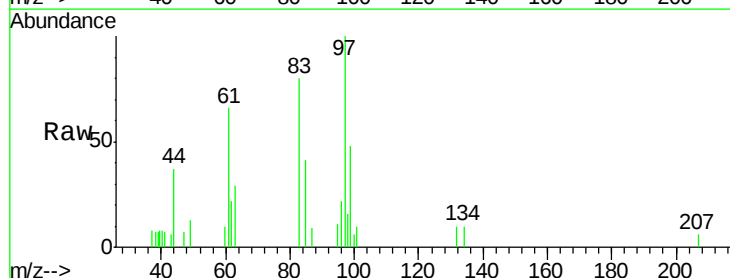
Ion Ratio Lower Upper

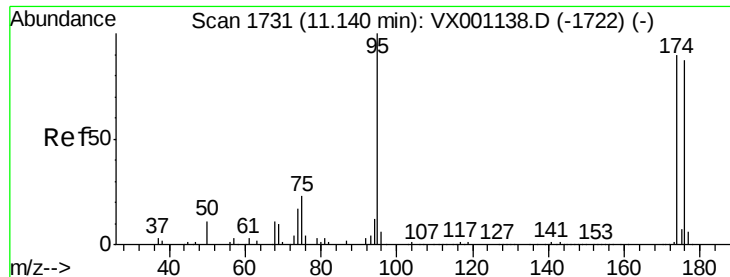
97 100

83 79.5 68.0 102.0

85 40.6 42.9 64.3#

99 47.8 50.3 75.5#

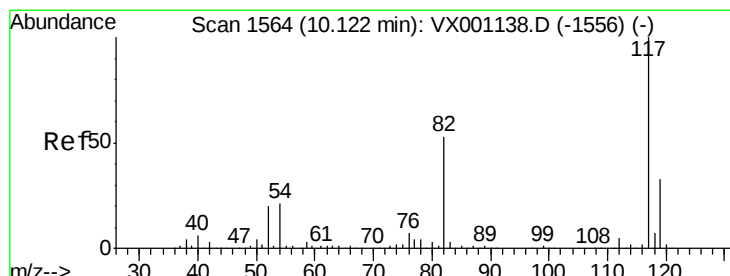
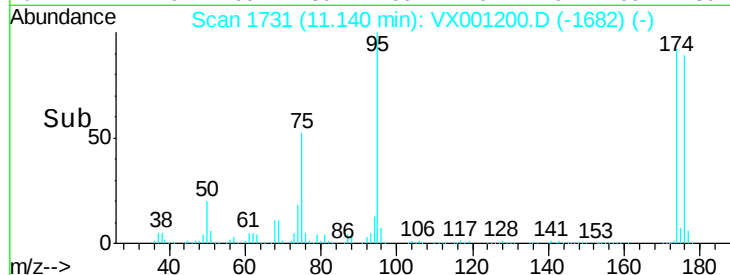
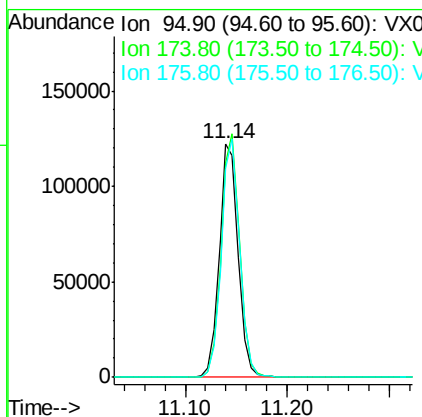
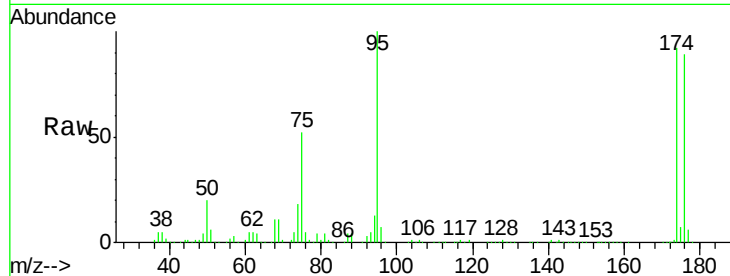




#62
4-Bromofluorobenzene
Concen: 47.03 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001200.D
Acq: 28 Apr 2018 04:49

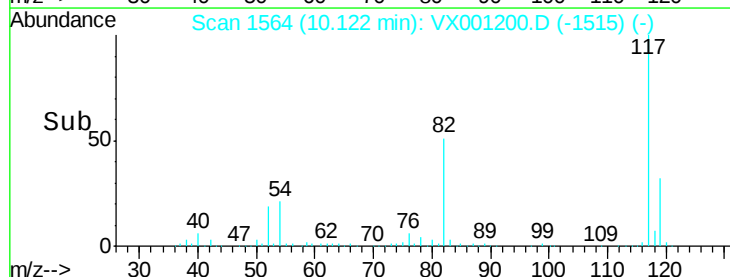
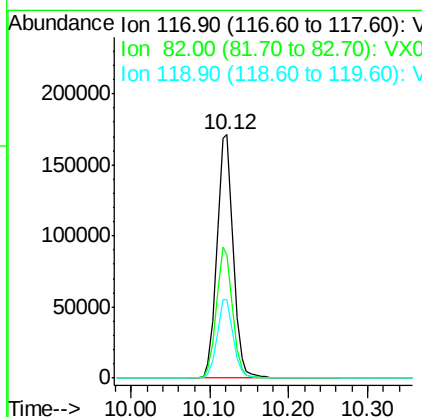
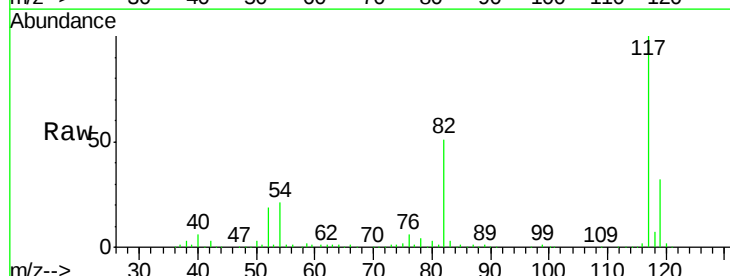
Instrument :
MSVOA_X
ClientSampleId :
KY032MW006-180419

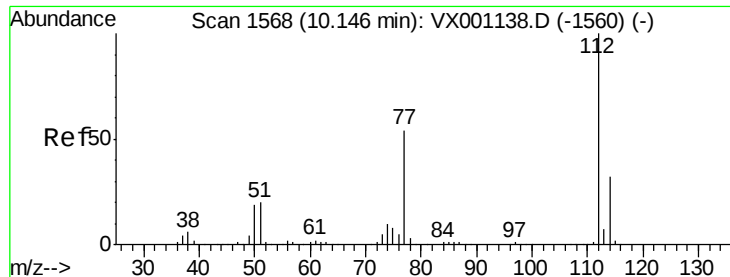
Tot Ion: 95 Resp: 157841
Ion Ratio Lower Upper
95 100
174 102.2 0.0 194.4
176 99.5 0.0 190.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001200.D
Acq: 28 Apr 2018 04:49

Tgt Ion: 117 Resp: 247583
Ion Ratio Lower Upper
117 100
82 50.8 42.1 63.1
119 32.0 26.1 39.1





#65

Chlorobenzene

Concen: 1.59 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001200.D

Acq: 28 Apr 2018 04:49

Instrument :

MSVOA_X

ClientSampleId :

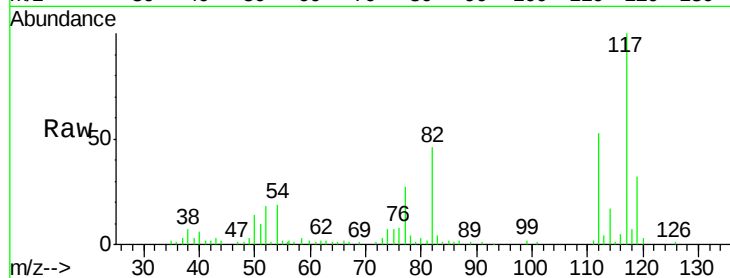
KY032MW006-180419

Tot Ion:112 Resp: 10340

Ion Ratio Lower Upper

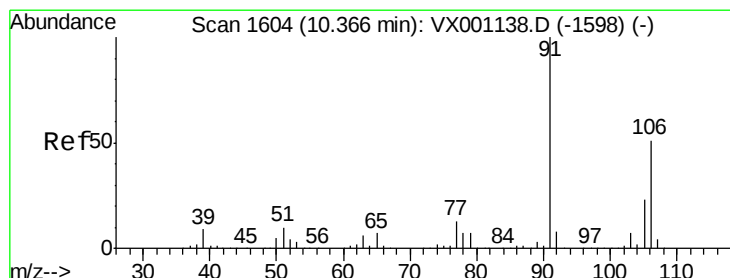
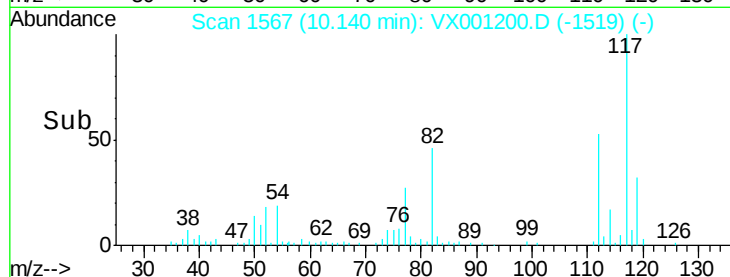
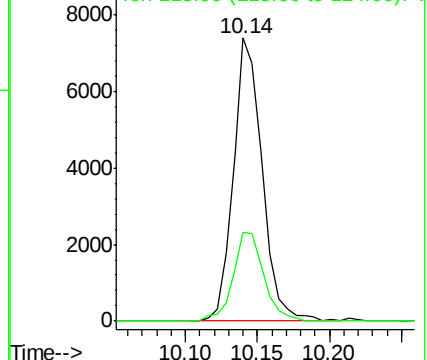
112 100

114 31.6 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#68

m/p-Xylenes

Concen: 0.30 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001200.D

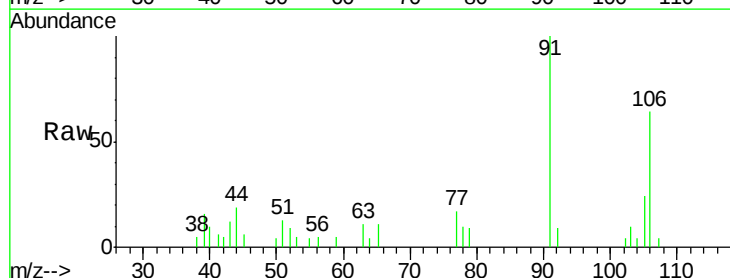
Acq: 28 Apr 2018 04:49

Tgt Ion:106 Resp: 1265

Ion Ratio Lower Upper

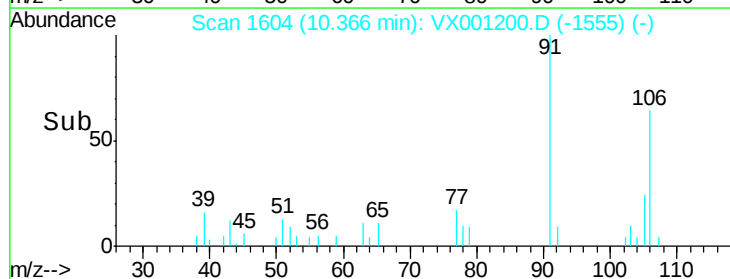
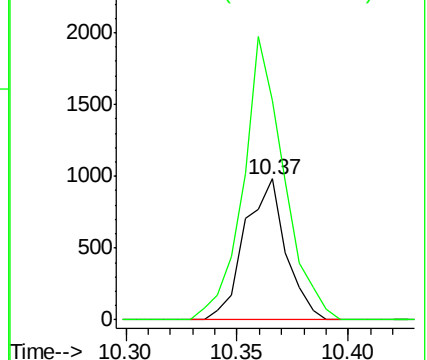
106 100

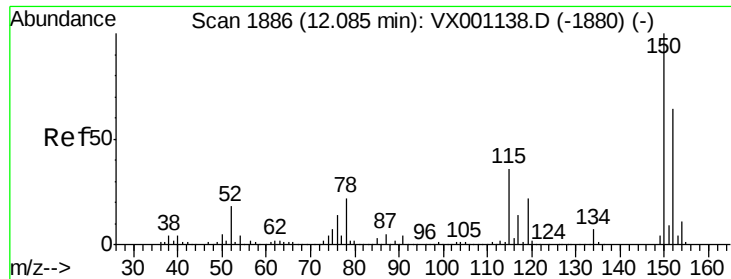
91 199.1 160.9 241.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001200.D

Acq: 28 Apr 2018 04:49

Instrument :

MSVOA_X

ClientSampleId :

KY032MW006-180419

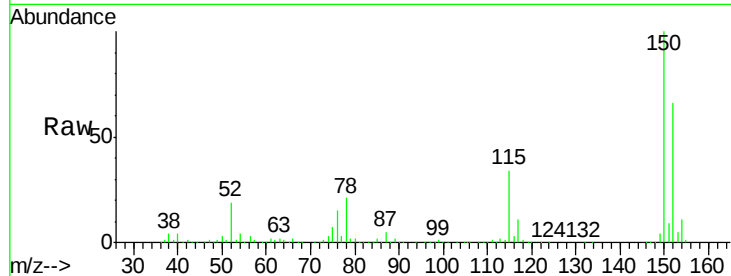
Tot Ion:152 Resp: 144172

Ion Ratio Lower Upper

152 100

115 52.7 38.0 114.0

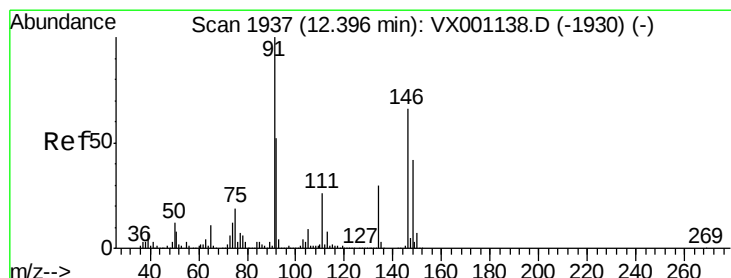
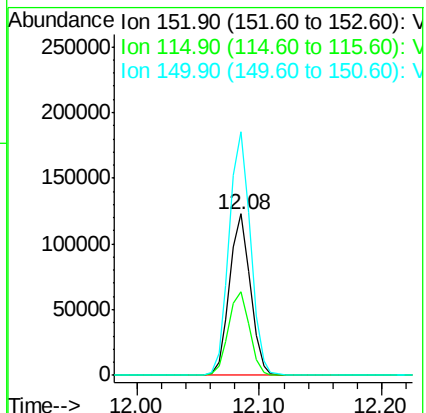
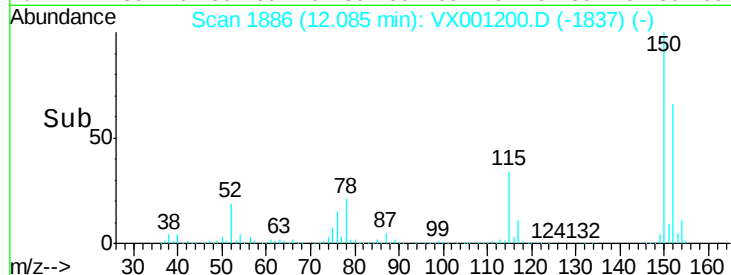
150 155.0 0.0 349.6



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



#91

1,2-Dichlorobenzene

Concen: 2.33 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001200.D

Acq: 28 Apr 2018 04:49

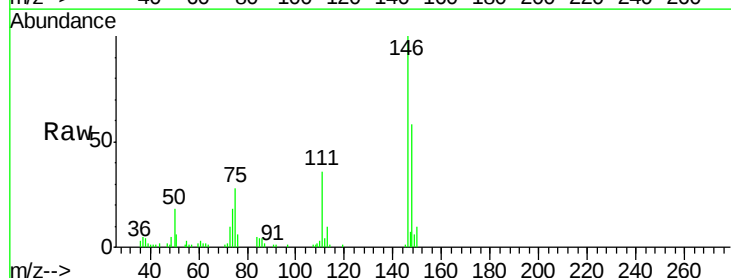
Tgt Ion:146 Resp: 11796

Ion Ratio Lower Upper

146 100

111 37.0 19.1 57.3

148 63.6 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

