

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070318\
 Data File : VX003156.D
 Acq On : 03 Jul 2018 18:33
 Operator : JC/MD
 Sample : J3754-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S10-0146

Quant Time: Jul 05 09:42:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	276277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	389124	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	360591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201653	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	174232	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	
35) Dibromofluoromethane	5.51	113	146191	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	8.72	98	529059	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.14	95	193804	44.66	ug/l	0.00
Spiked Amount			Recovery	=	89.32%	

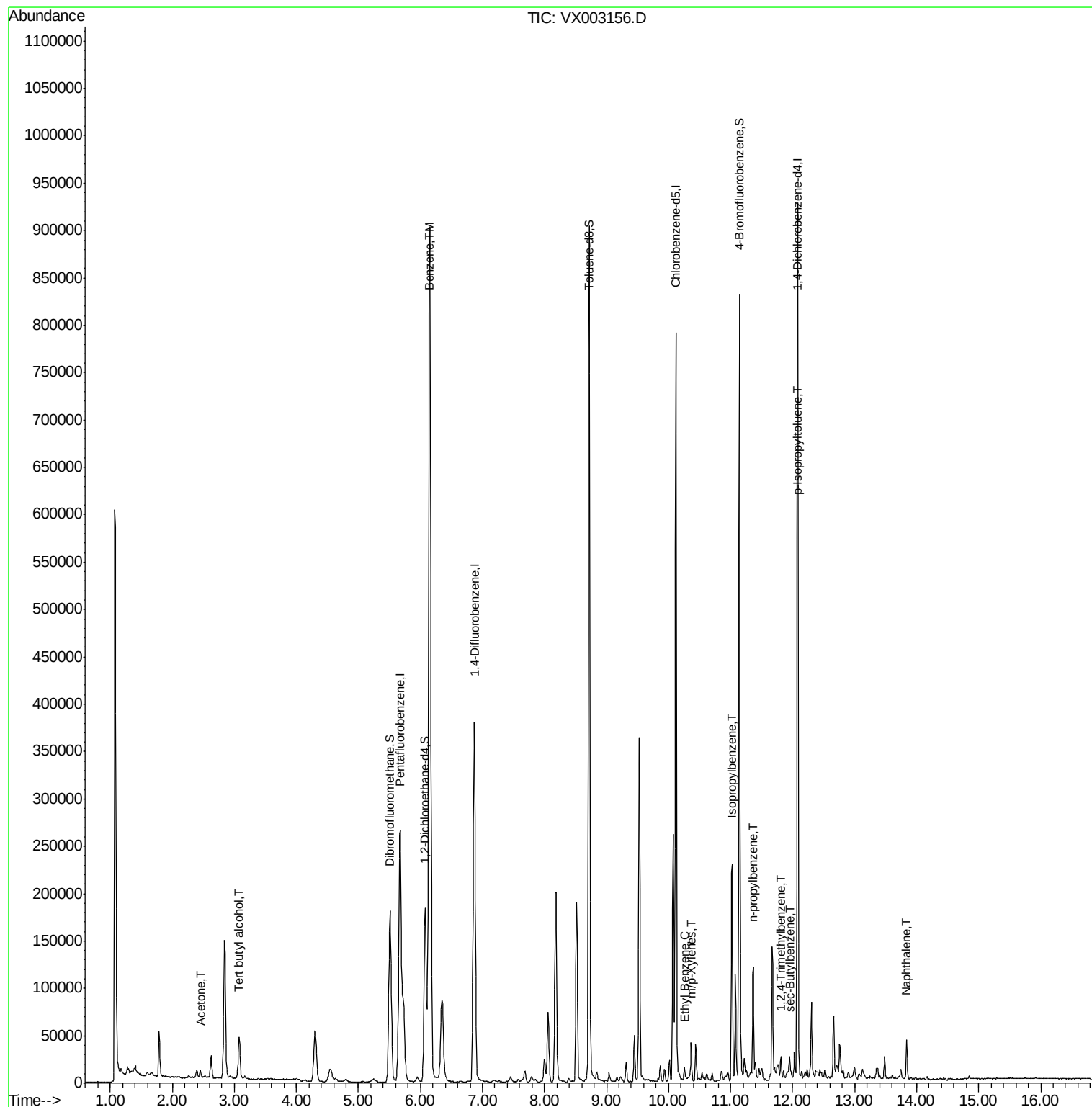
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	54476	71.611	ug/l	100
16) Acetone	2.45	43	8828	5.582	ug/l	97
40) Benzene	6.15	78	1055068	85.095	ug/l	98
67) Ethyl Benzene	10.26	91	7758	0.513	ug/l	98
68) m/p-Xylenes	10.37	106	8269	1.418	ug/l	98
73) Isopropylbenzene	11.02	105	115471	8.512	ug/l	100
78) n-propylbenzene	11.37	91	69666	4.512	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	10101	0.853	ug/l	96
85) sec-Butylbenzene	11.95	105	7474	0.547	ug/l	80
86) p-Isopropyltoluene	12.07	119	5012	0.408	ug/l	85
95) Naphthalene	13.83	128	25912	1.877	ug/l	99

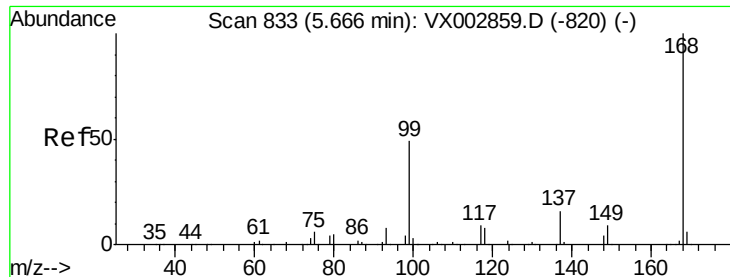
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003156.D

Acq: 03 Jul 2018 18:33

Instrument :

MSVOA_X

ClientSampled :

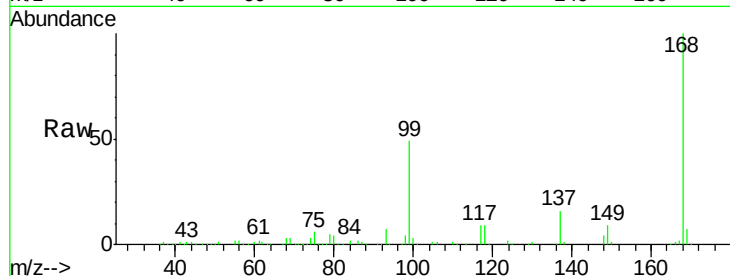
S10-0146

Tot Ion:168 Resp: 276277

Ion Ratio Lower Upper

168 100

99 49.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

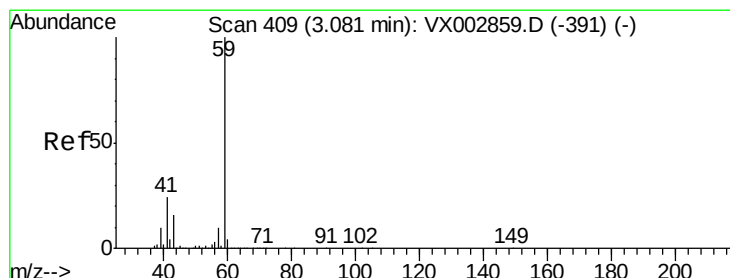
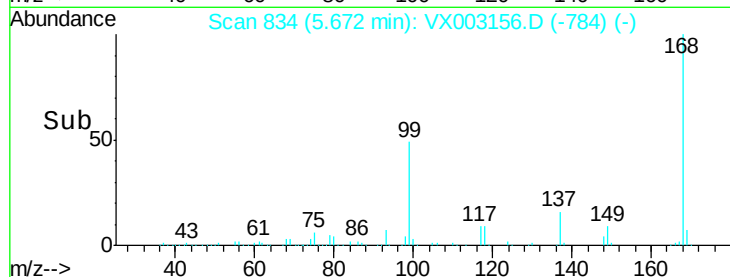
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 71.611 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX003156.D

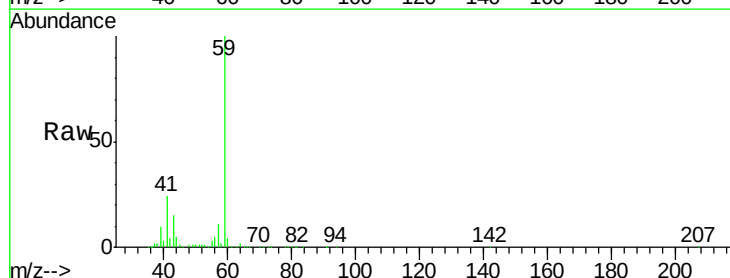
Acq: 03 Jul 2018 18:33

Tgt Ion: 59 Resp: 54476

Ion Ratio Lower Upper

59 100

57 10.3 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07

25000

20000

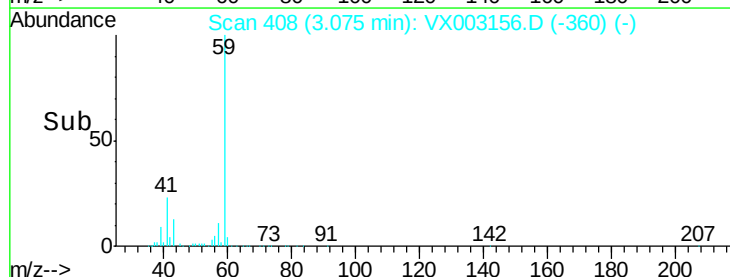
15000

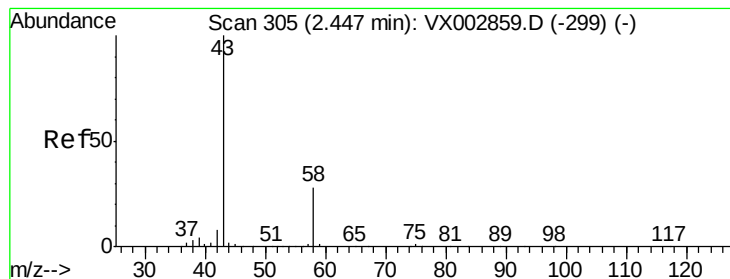
10000

5000

0

Time--> 2.90 3.00 3.10 3.20





#16

Acetone

Concen: 5.582 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003156.D

Acq: 03 Jul 2018 18:33

Instrument :

MSVOA_X

ClientSampled :

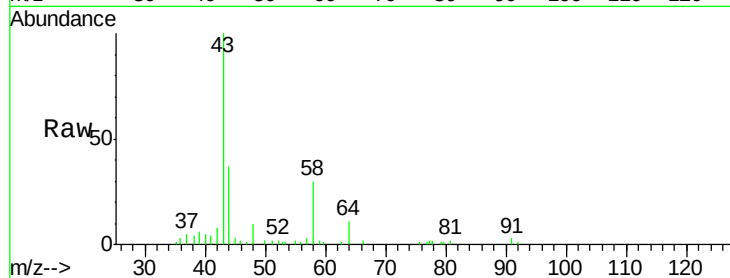
S10-0146

Tot Ion: 43 Resp: 8828

Ion Ratio Lower Upper

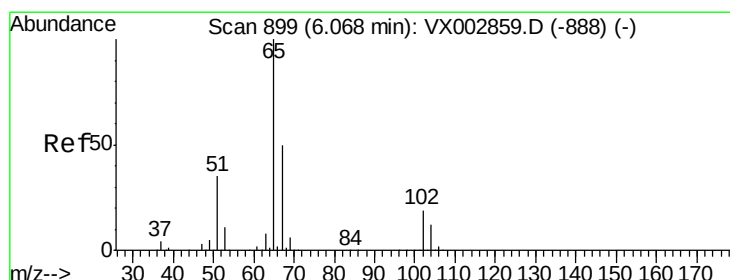
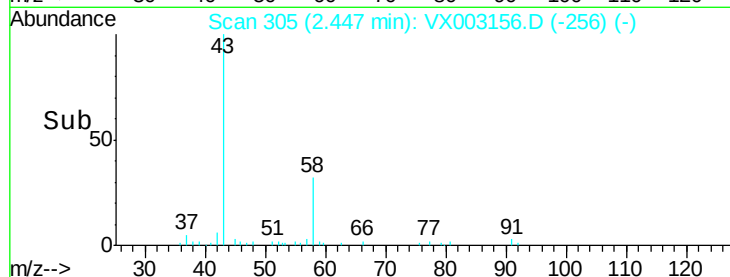
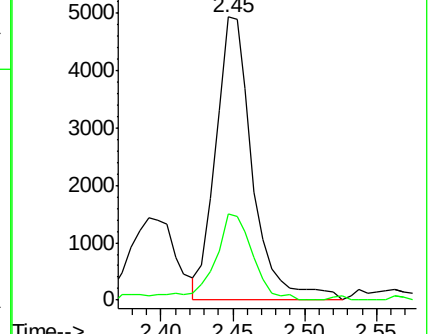
43 100

58 28.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.626 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003156.D

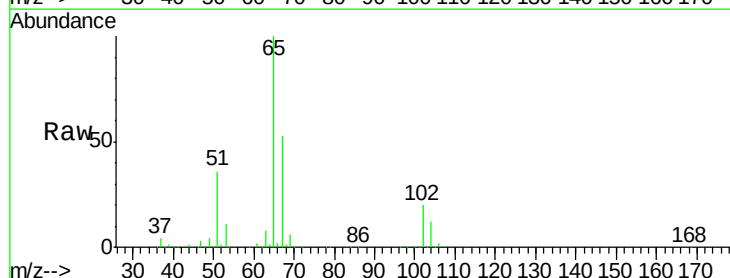
Acq: 03 Jul 2018 18:33

Tgt Ion: 65 Resp: 174232

Ion Ratio Lower Upper

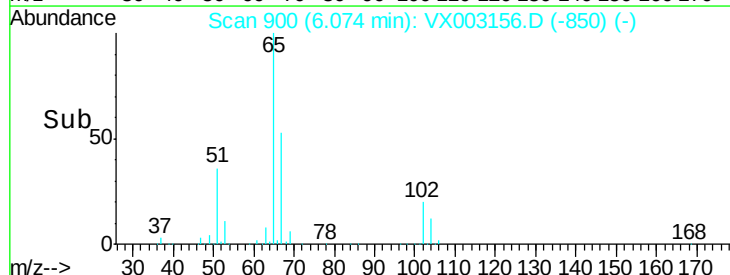
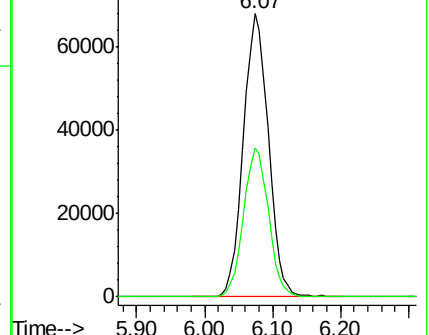
65 100

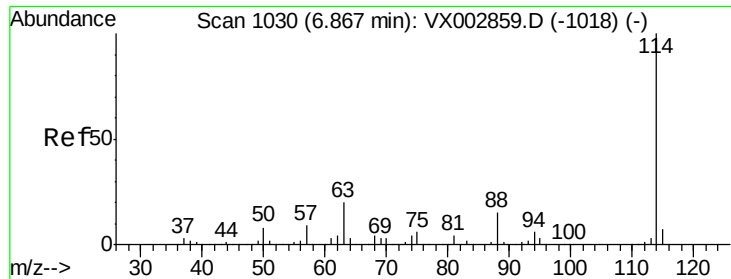
67 52.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003156.D

Acq: 03 Jul 2018 18:33

Instrument :

MSVOA_X

ClientSampleId :

S10-0146

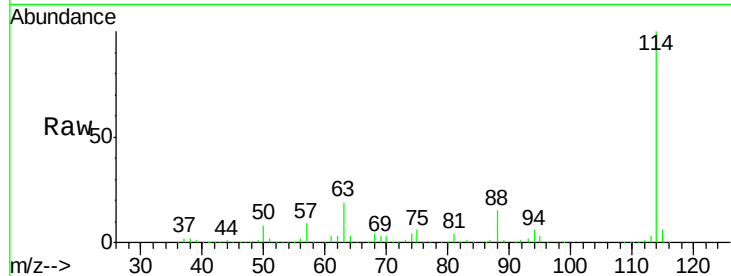
Tot Ion:114 Resp: 389124

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

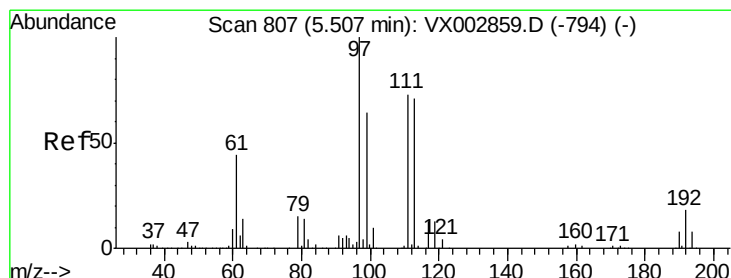
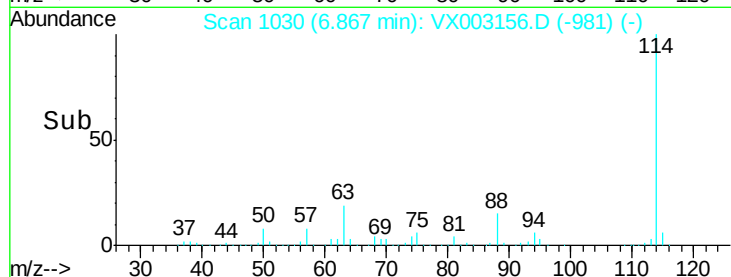
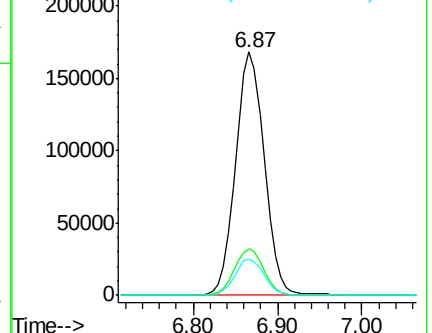
88 14.6 0.0 30.0



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: 47.441 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003156.D

Acq: 03 Jul 2018 18:33

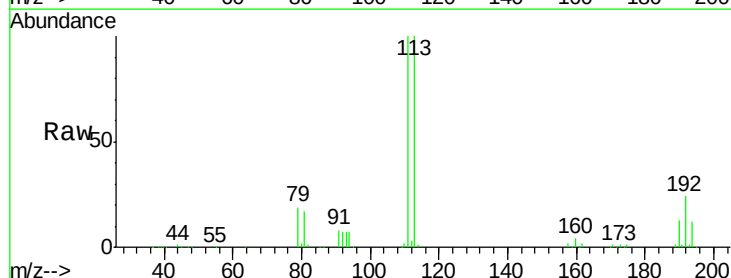
Tgt Ion:113 Resp: 146191

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

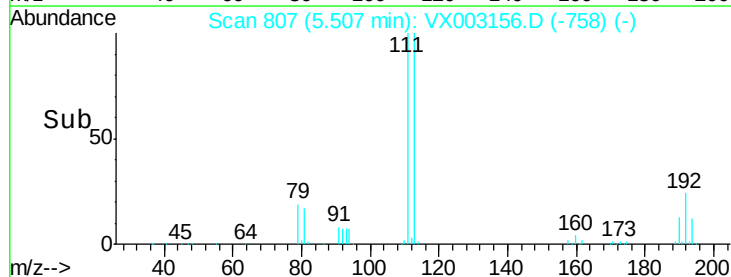
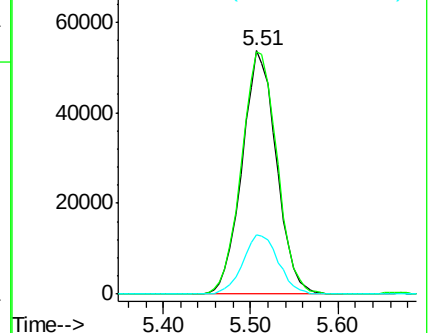
192 25.3 19.1 28.7

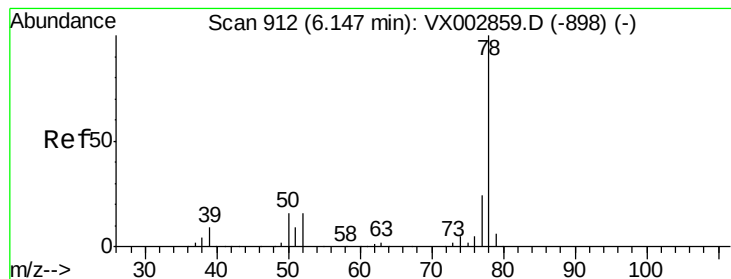


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 85.095 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX003156.D

Acq: 03 Jul 2018 18:33

Instrument :

MSVOA_X

ClientSampleId :

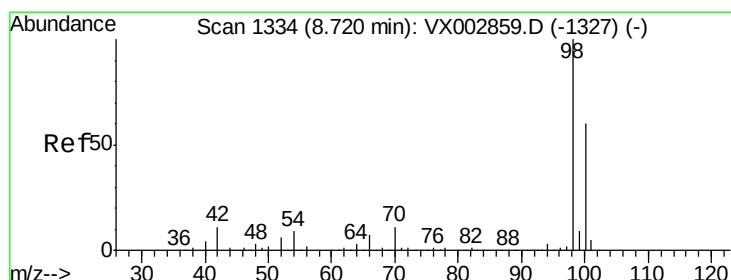
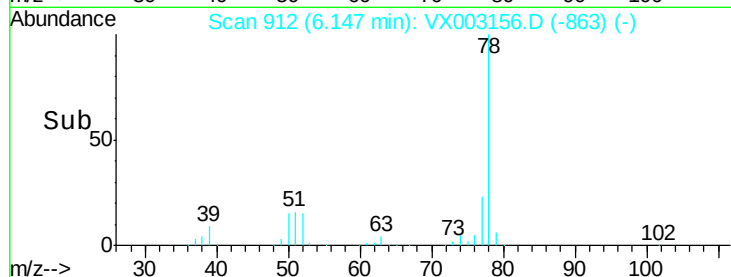
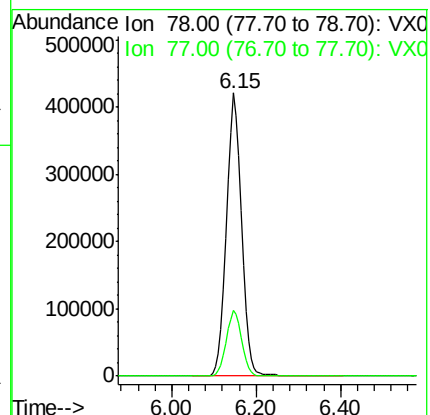
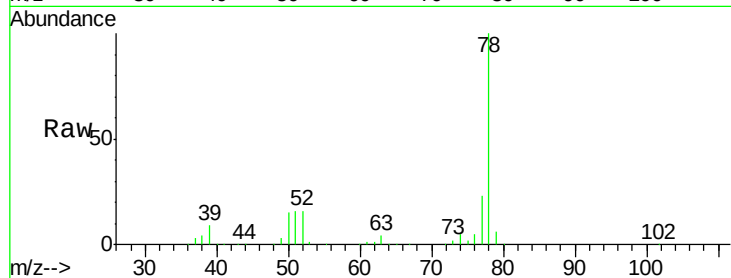
S10-0146

Tot Ion: 78 Resp: 1055068

Ion Ratio Lower Upper

78 100

77 23.0 19.1 28.7



#50

Toluene-d8

Concen: 47.015 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003156.D

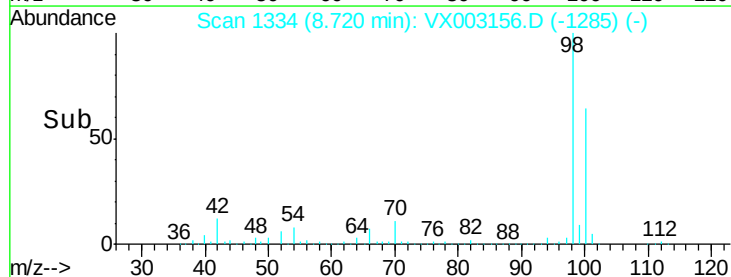
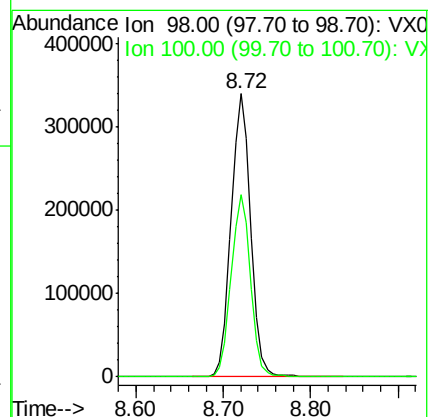
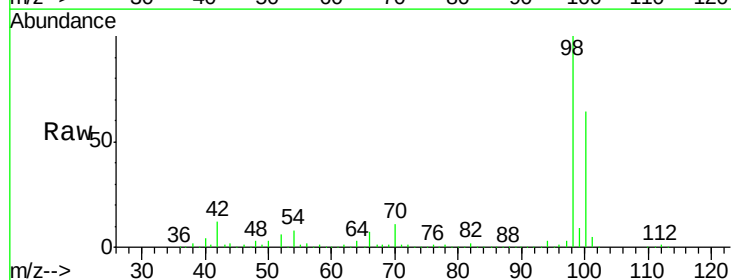
Acq: 03 Jul 2018 18:33

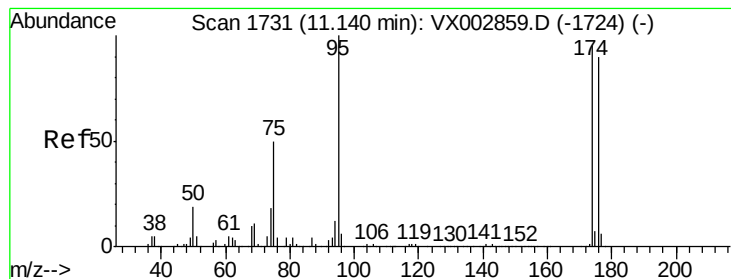
Tgt Ion: 98 Resp: 529059

Ion Ratio Lower Upper

98 100

100 64.0 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 44.658 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003156.D

Acq: 03 Jul 2018 18:33

Instrument :

MSVOA_X

ClientSampleId :

S10-0146

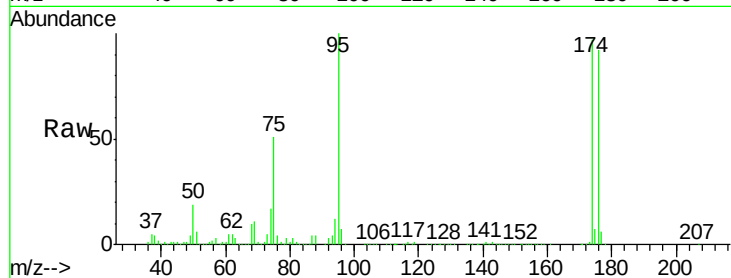
Tot Ion: 95 Resp: 193804

Ion Ratio Lower Upper

95 100

174 99.8 0.0 187.4

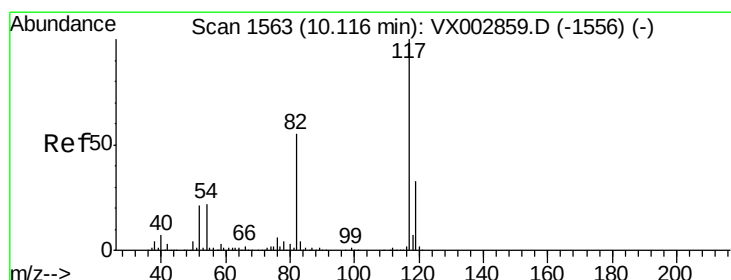
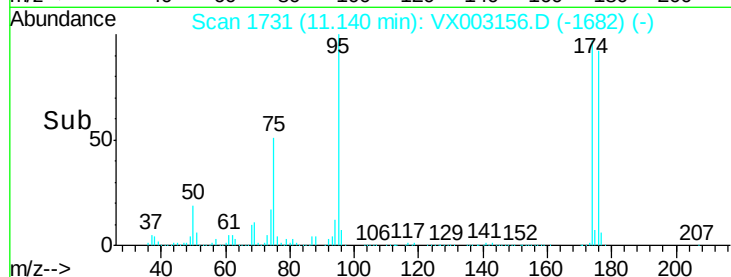
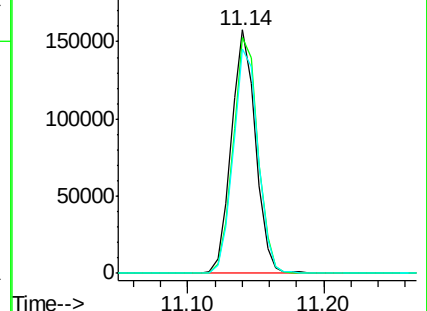
176 95.6 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003156.D

Acq: 03 Jul 2018 18:33

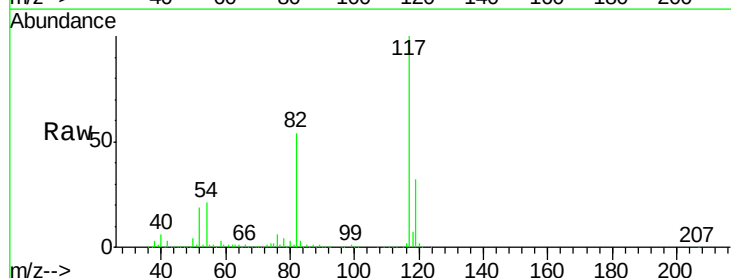
Tgt Ion: 117 Resp: 360591

Ion Ratio Lower Upper

117 100

82 53.7 45.0 67.4

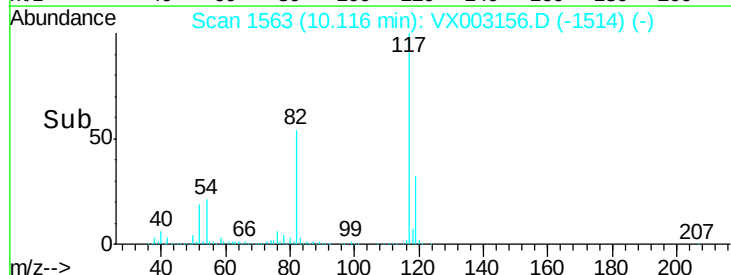
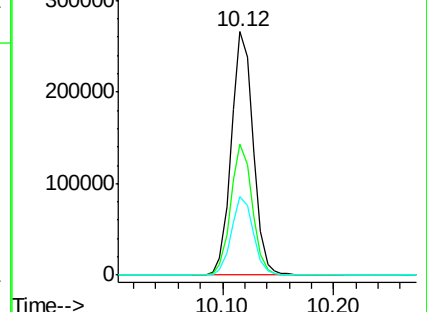
119 32.5 25.8 38.6

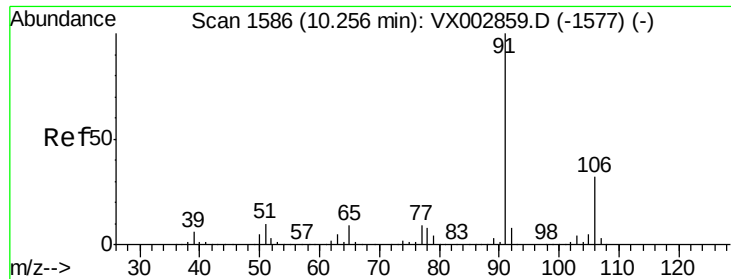


Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)

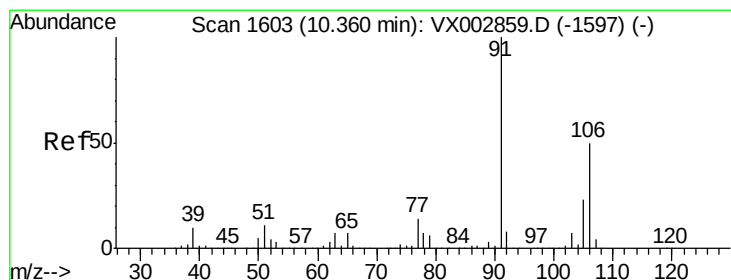
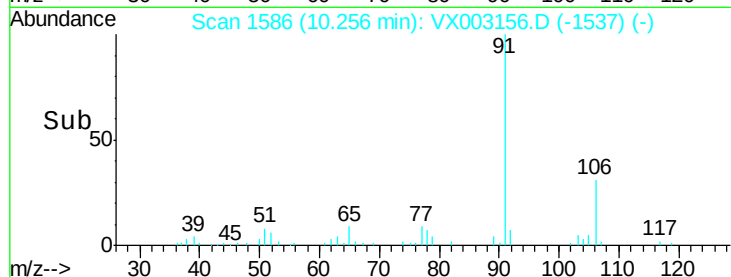
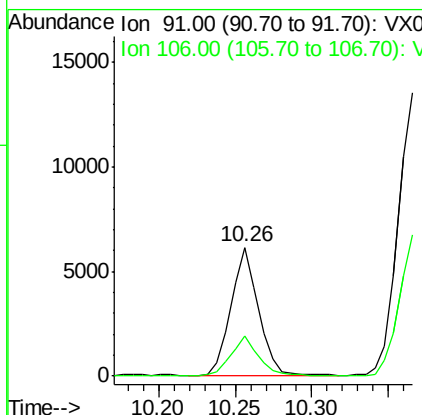
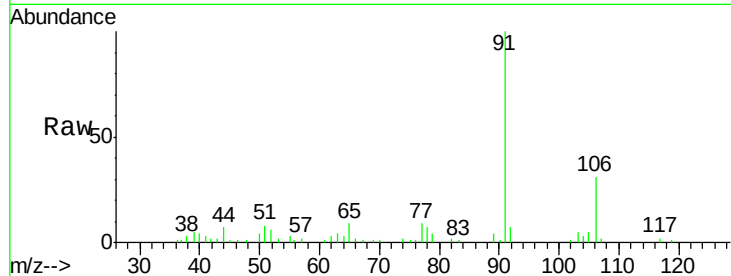




#67
Ethyl Benzene
Concen: 0.513 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003156.D
Acq: 03 Jul 2018 18:33

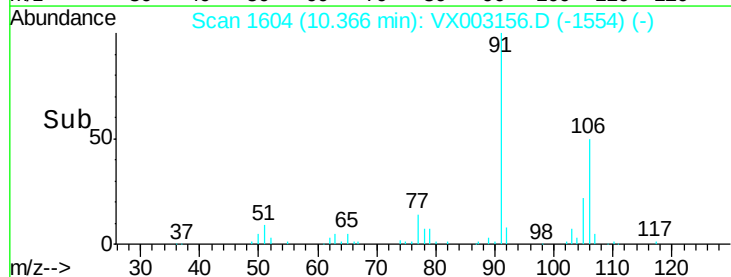
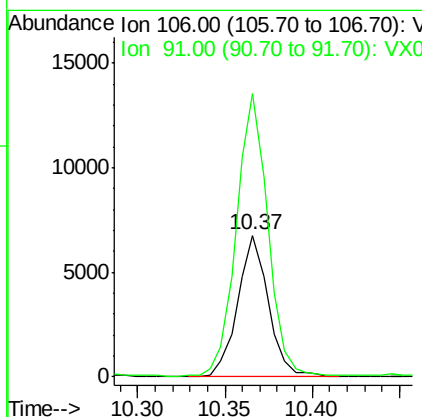
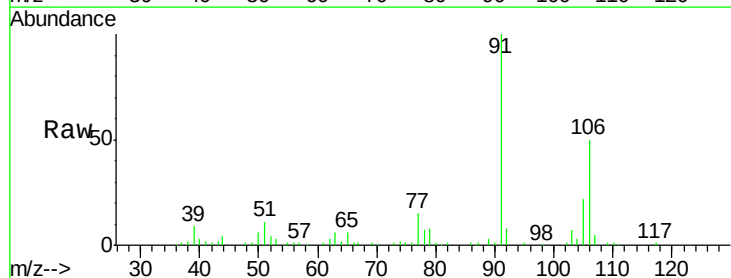
Instrument :
MSVOA_X
ClientSampled :
S10-0146

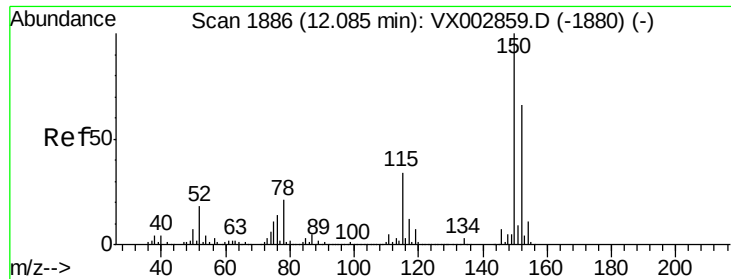
Tot Ion: 91 Resp: 7758
Ion Ratio Lower Upper
91 100
106 30.8 25.5 38.3



#68
m/p-Xylenes
Concen: 1.418 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003156.D
Acq: 03 Jul 2018 18:33

Tgt Ion: 106 Resp: 8269
Ion Ratio Lower Upper
106 100
91 206.8 163.4 245.2

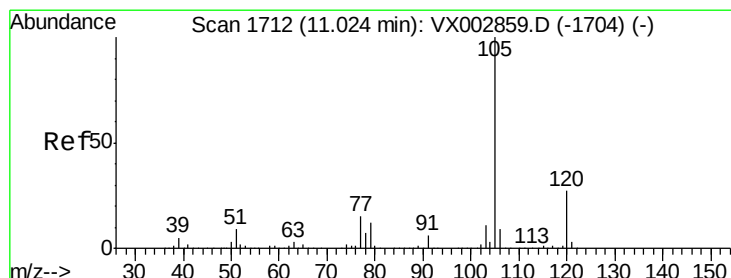
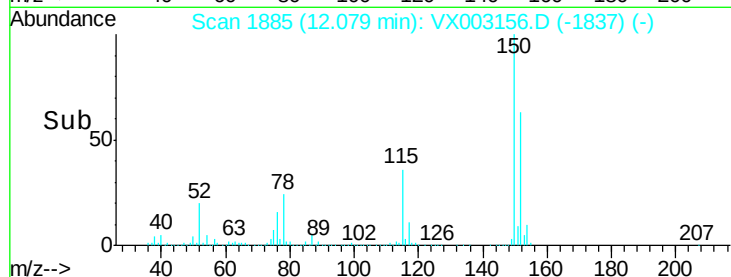
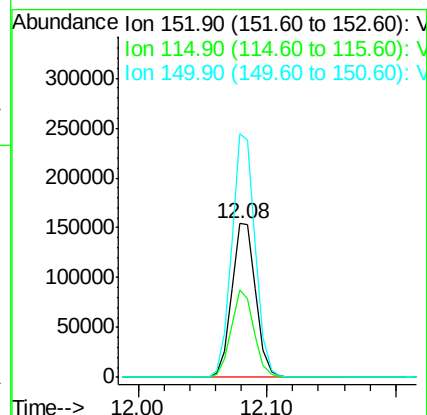
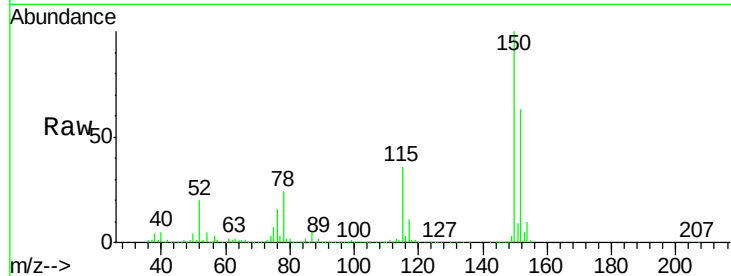




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: VX003156.D
 Acq: 03 Jul 2018 18:33

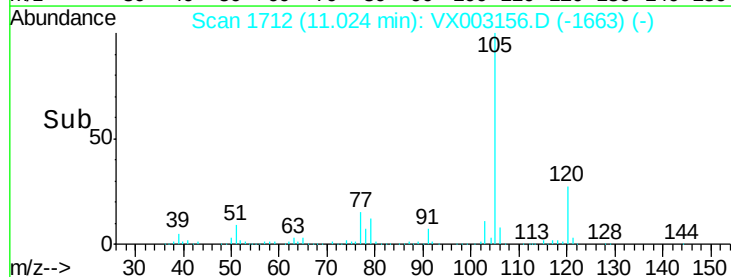
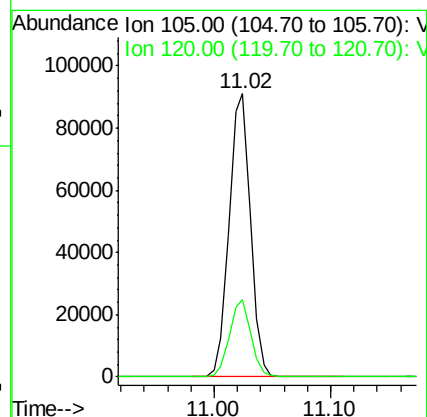
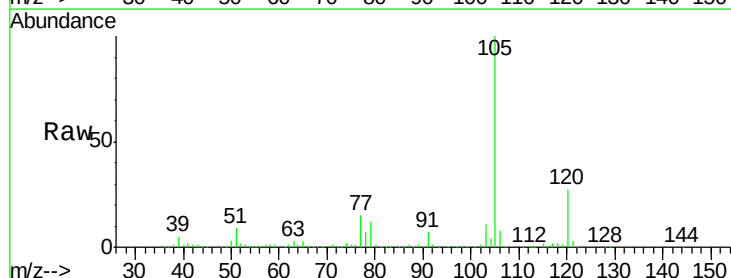
Instrument :
 MSVOA_X
 ClientSampleId :
 S10-0146

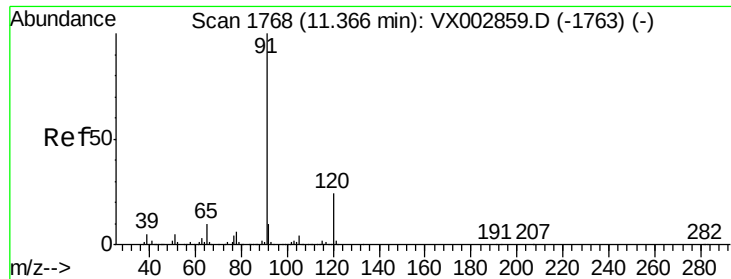
Tot Ion:152 Resp: 201653
 Ion Ratio Lower Upper
 152 100
 115 54.1 40.1 120.2
 150 155.0 0.0 347.2



#73
 Isopropylbenzene
 Concen: 8.512 ug/l
 RT: 11.02 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: VX003156.D
 Acq: 03 Jul 2018 18:33

Tgt Ion:105 Resp: 115471
 Ion Ratio Lower Upper
 105 100
 120 27.0 13.5 40.4





#78

n-propylbenzene

Concen: 4.512 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003156.D

Acq: 03 Jul 2018 18:33

Instrument :

MSVOA_X

ClientSampleId :

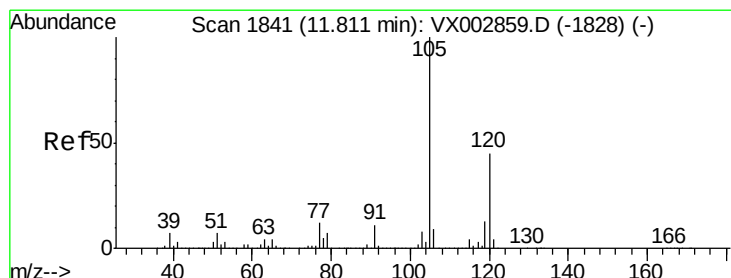
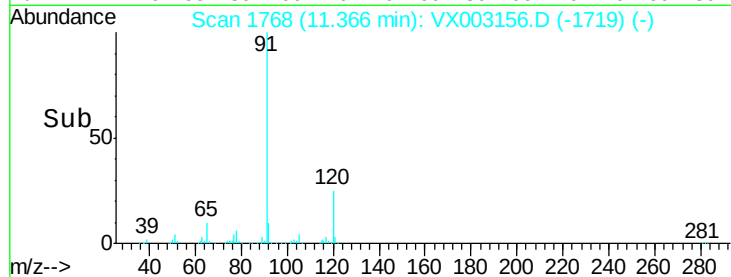
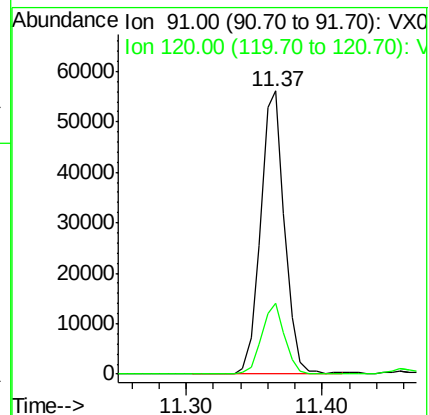
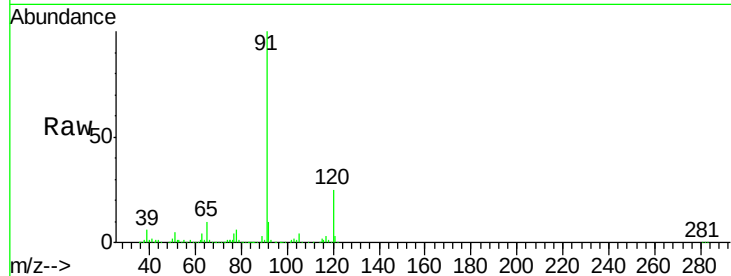
S10-0146

Tot Ion: 91 Resp: 69666

Ion Ratio Lower Upper

91 100

120 24.0 11.8 35.4



#84

1,2,4-Trimethylbenzene

Concen: 0.853 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003156.D

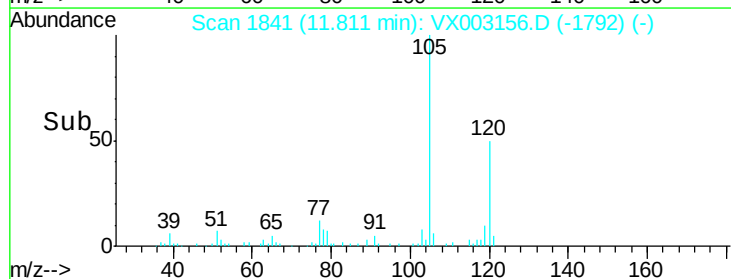
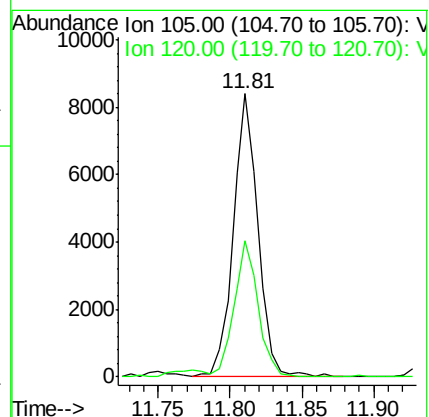
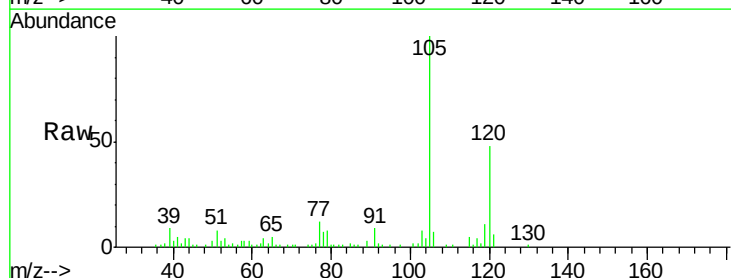
Acq: 03 Jul 2018 18:33

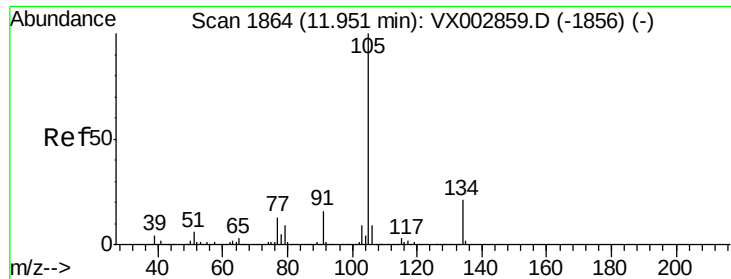
Tgt Ion: 105 Resp: 10101

Ion Ratio Lower Upper

105 100

120 46.8 22.3 66.8





#85

sec-Butylbenzene

Concen: 0.547 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003156.D

Acq: 03 Jul 2018 18:33

Instrument :

MSVOA_X

ClientSampleId :

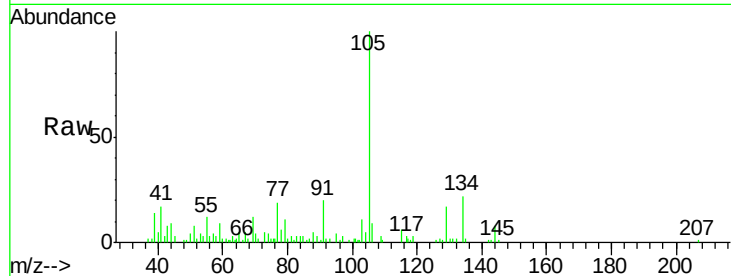
S10-0146

Tot Ion:105 Resp: 7474

Ion Ratio Lower Upper

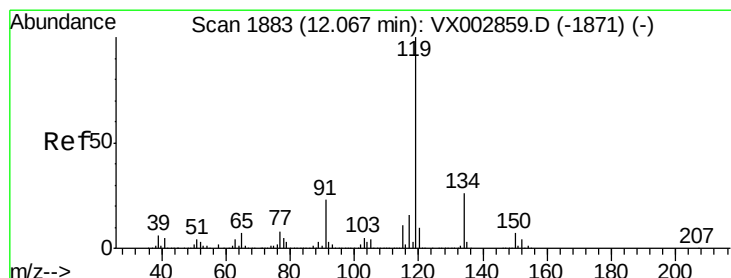
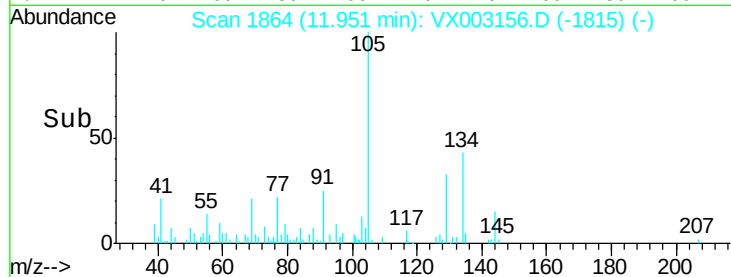
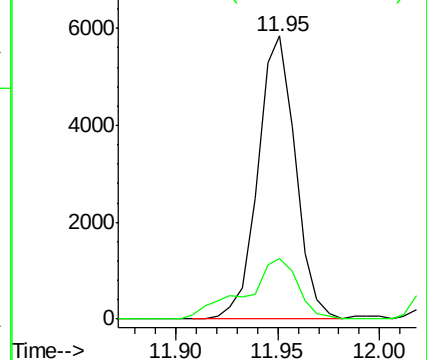
105 100

134 30.0 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.408 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003156.D

Acq: 03 Jul 2018 18:33

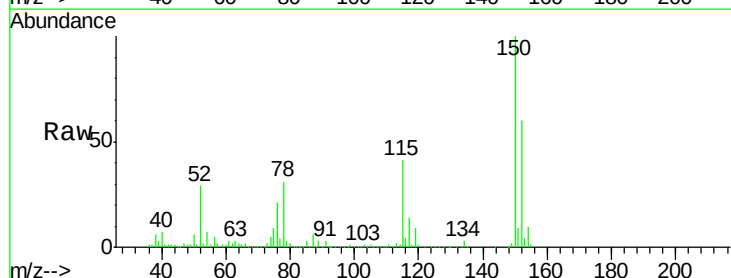
Tgt Ion:119 Resp: 5012

Ion Ratio Lower Upper

119 100

134 30.9 13.4 40.1

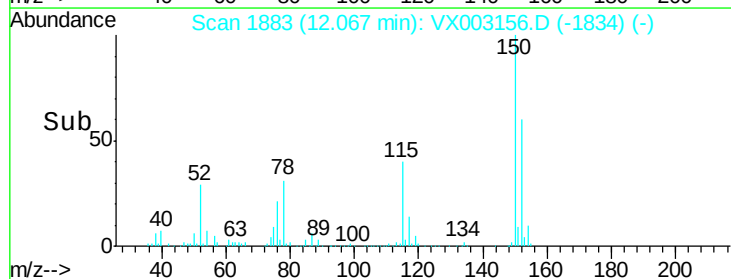
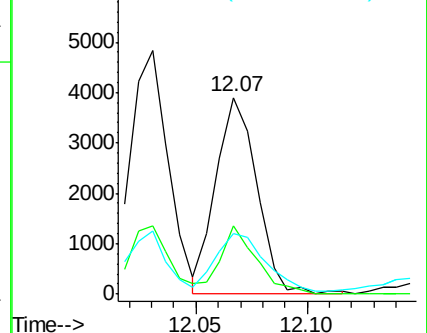
91 34.7 11.9 35.7

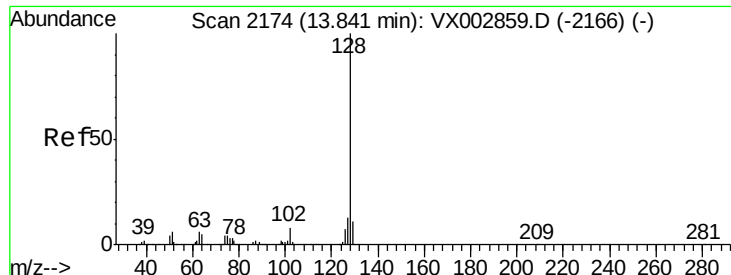


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

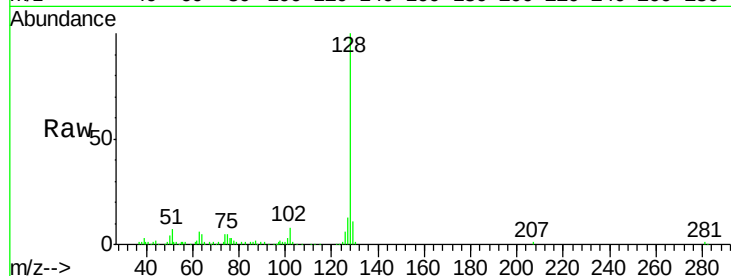




#95
Naphthalene
Concen: 1.877 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003156.D
Acq: 03 Jul 2018 18:33

Instrument :
MSVOA_X
ClientSampleId :
S10-0146

Tot Ion:128 Resp: 25912
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

