

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032218\
 Data File : VX000412.D
 Acq On : 22 Mar 2018 17:46
 Operator : JC/MD
 Sample : J2005-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-031918

Quant Time: Mar 23 06:52:29 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	88354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	156877	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	144803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	64741	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	64474	55.90	ug/l	0.00
Spiked Amount			Recovery	=	111.80%	
35) Dibromofluoromethane	5.51	113	51244	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
50) Toluene-d8	8.73	98	194659	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
62) 4-Bromofluorobenzene	11.15	95	61361	37.27	ug/l	0.00
Spiked Amount			Recovery	=	74.54%	

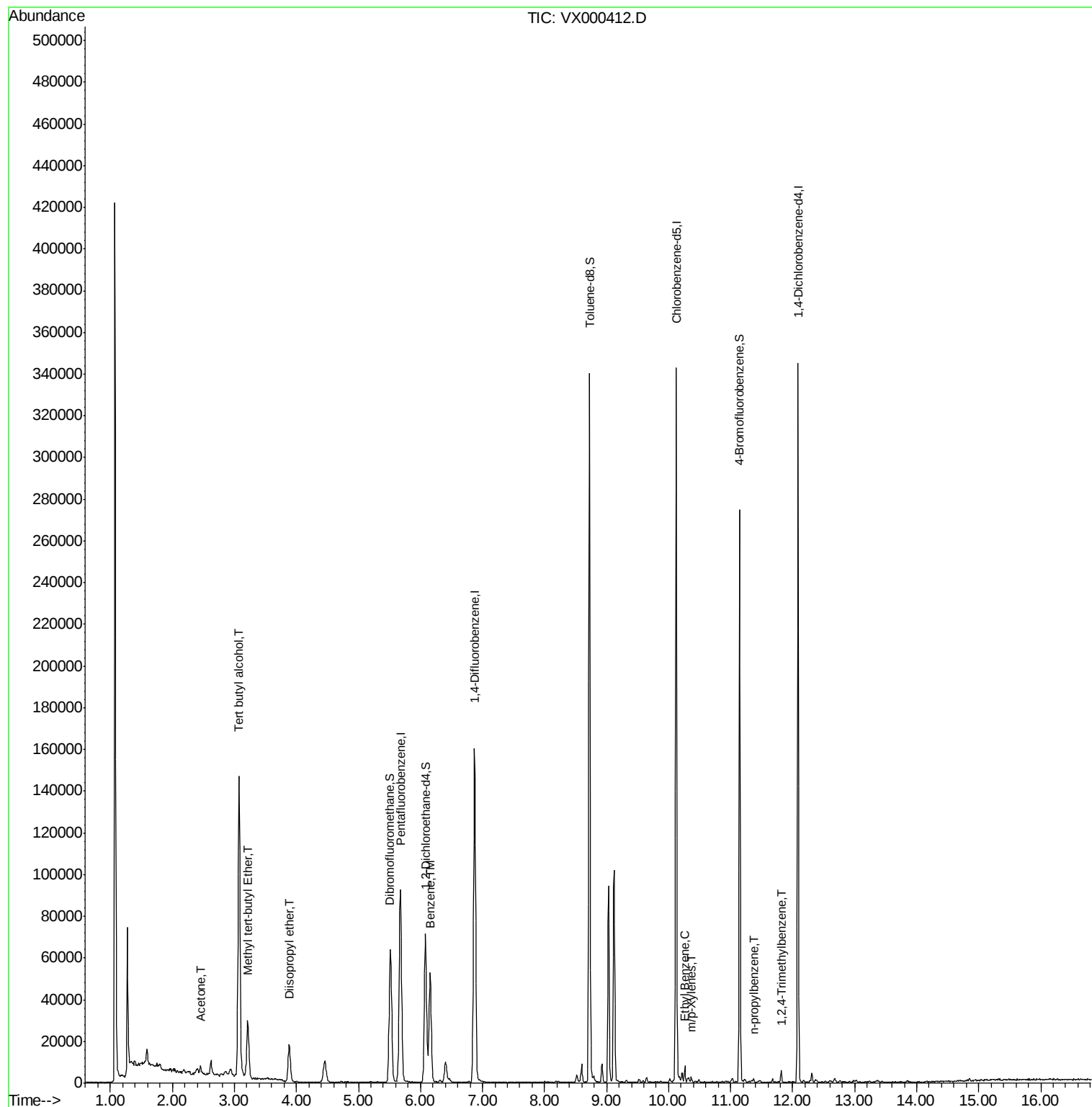
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	178516	449.98	ug/l	99
16) Acetone	2.45	43	4354	4.54	ug/l	90
19) Methyl tert-butyl Ether	3.21	73	28860	8.15	ug/l	99
22) Diisopropyl ether	3.89	45	18731	6.26	ug/l #	87
40) Benzene	6.16	78	60911	14.27	ug/l	96
67) Ethyl Benzene	10.26	91	4562	0.84	ug/l	100
68) m/p-Xylenes	10.37	106	676	0.31	ug/l	78
78) n-propylbenzene	11.37	91	1183	0.23	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	2802	0.74	ug/l	90

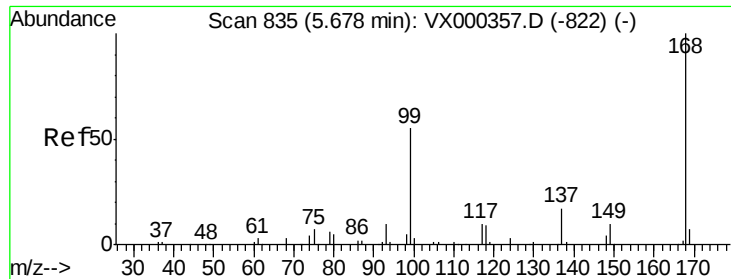
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000412.D

Acq: 22 Mar 2018 17:46

Instrument :

MSVOA_X

ClientSampleId :

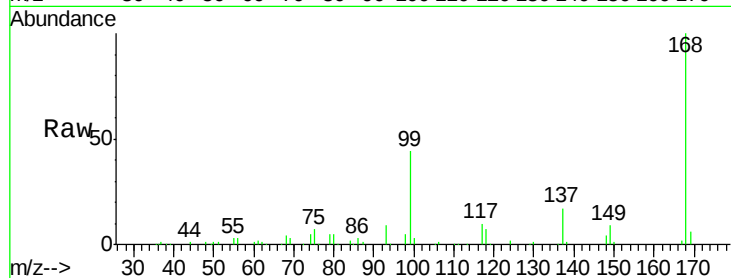
MW-2-031918

Tot Ion:168 Resp: 88354

Ion Ratio Lower Upper

168 100

99 44.4 45.8 68.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

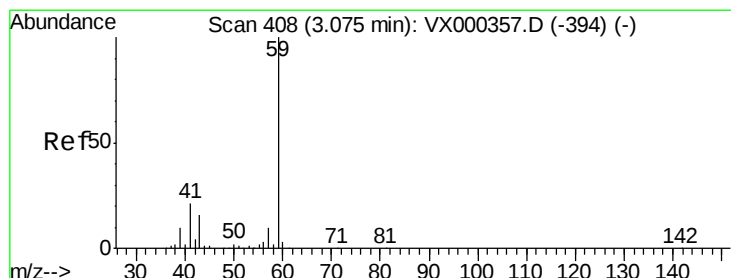
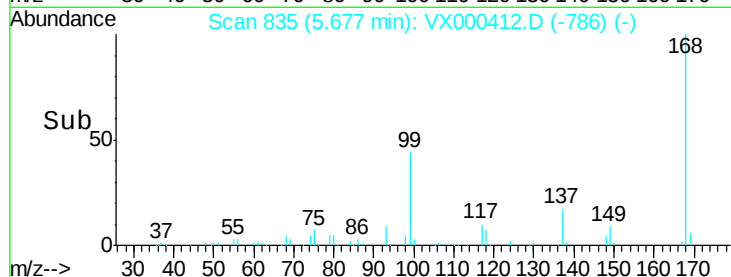
20000

10000

0

5.60 5.70 5.80

Time-->



#11

Tert butyl alcohol

Concen: 449.98 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.00 min

Lab File: VX000412.D

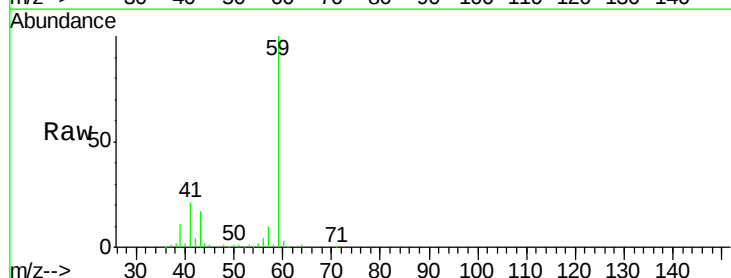
Acq: 22 Mar 2018 17:46

Tgt Ion: 59 Resp: 178516

Ion Ratio Lower Upper

59 100

57 10.7 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07

80000

60000

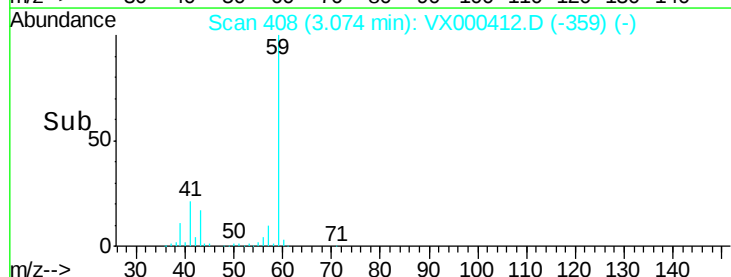
40000

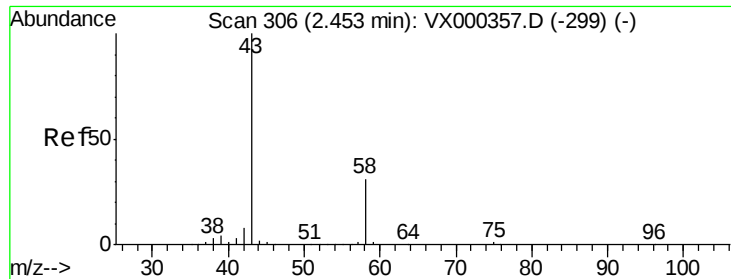
20000

0

3.00 3.10 3.20

Time-->





#16

Acetone

Concen: 4.54 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000412.D

Acq: 22 Mar 2018 17:46

Instrument :

MSVOA_X

ClientSampleId :

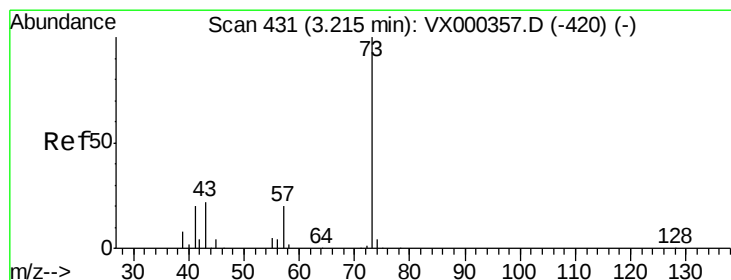
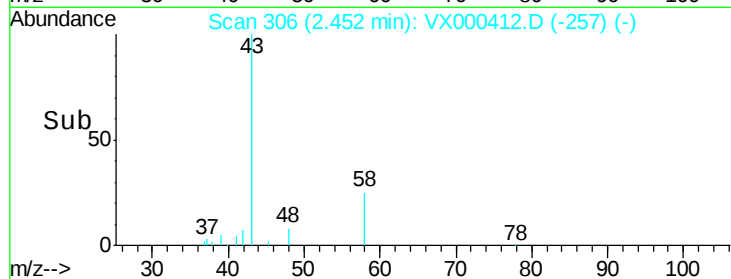
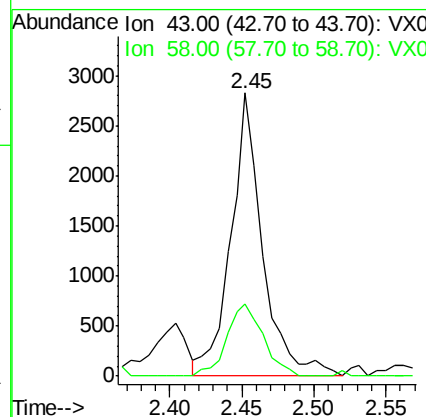
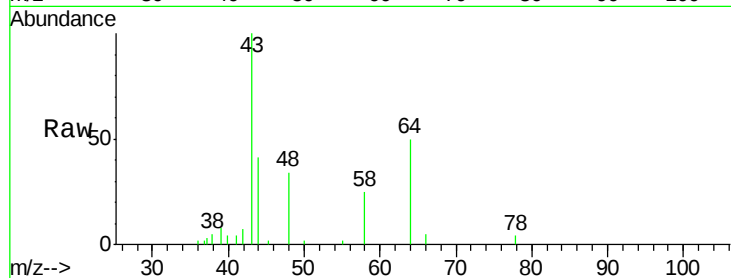
MW-2-031918

Tot Ion: 43 Resp: 4354

Ion Ratio Lower Upper

43 100

58 25.3 24.7 37.1



#19

Methyl tert-butyl Ether

Concen: 8.15 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX000412.D

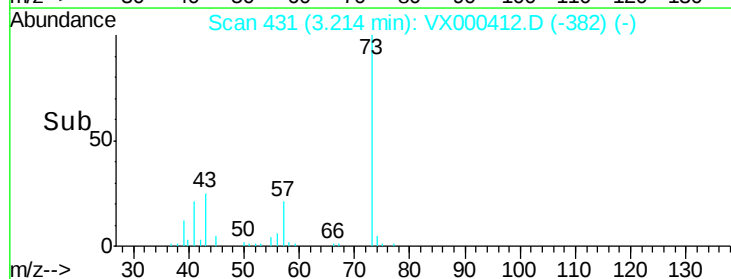
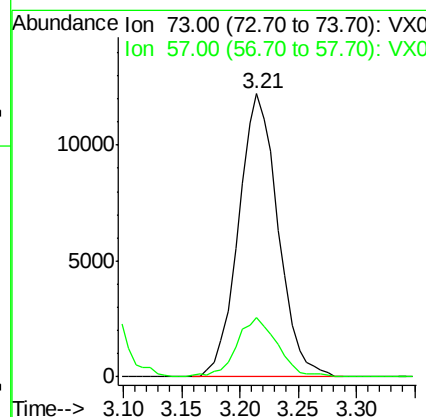
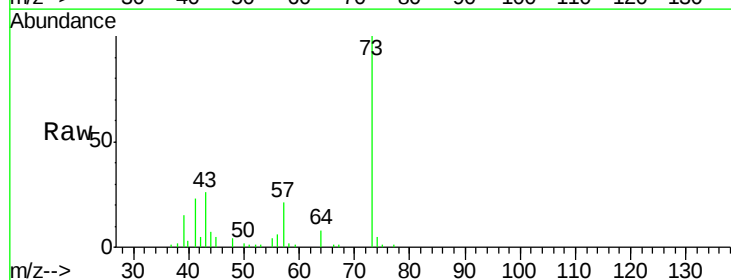
Acq: 22 Mar 2018 17:46

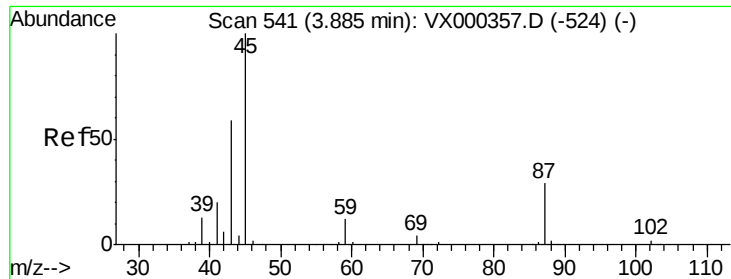
Tgt Ion: 73 Resp: 28860

Ion Ratio Lower Upper

73 100

57 21.0 17.2 25.8





#22

Diisopropyl ether

Concen: 6.26 ug/l

RT: 3.89 min Scan# 541

Delta R.T. -0.00 min

Lab File: VX000412.D

Acq: 22 Mar 2018 17:46

Instrument :

MSVOA_X

ClientSampleId :

MW-2-031918

Tot Ion: 45 Resp: 18731

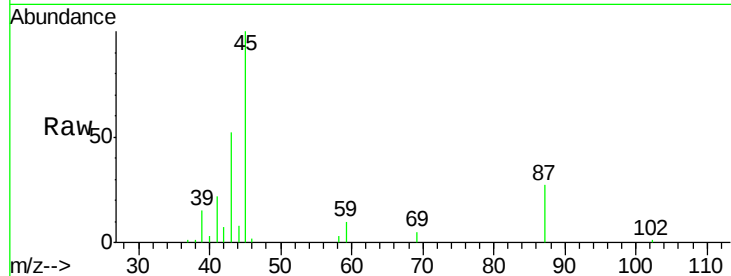
Ion Ratio Lower Upper

45 100

43 52.0 53.9 80.9#

87 27.5 22.6 34.0

59 10.2 9.5 14.3

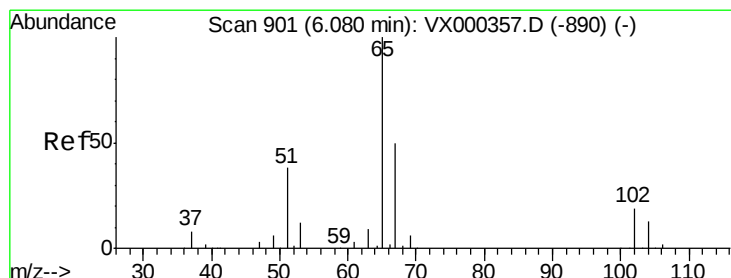
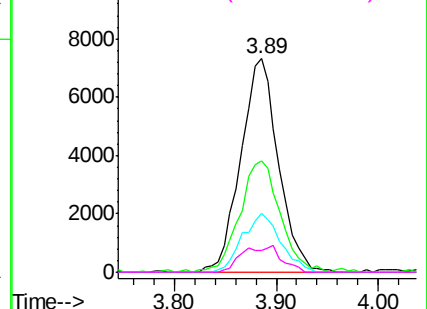
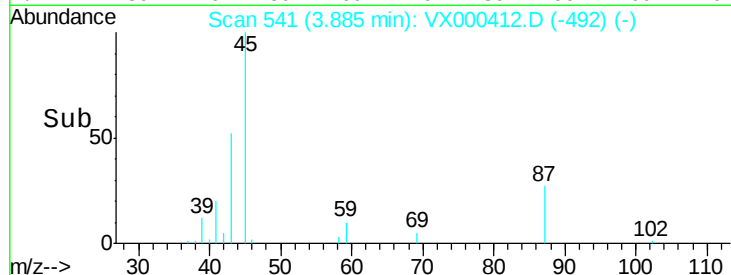


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 55.90 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000412.D

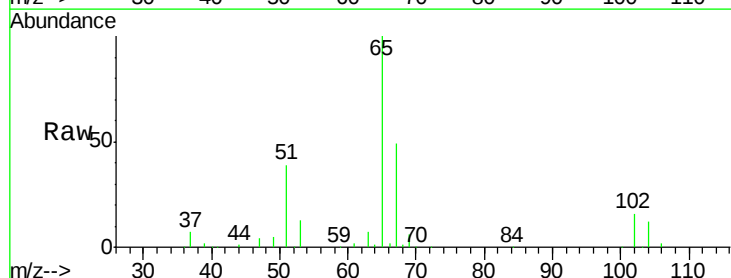
Acq: 22 Mar 2018 17:46

Tgt Ion: 65 Resp: 64474

Ion Ratio Lower Upper

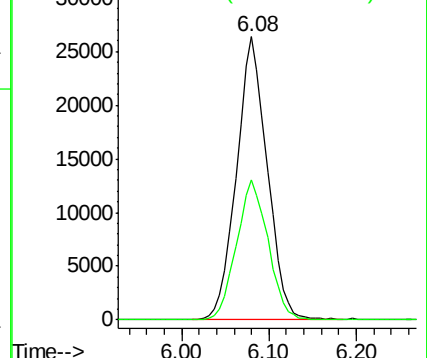
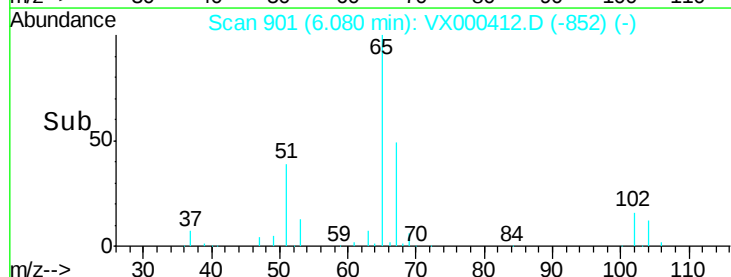
65 100

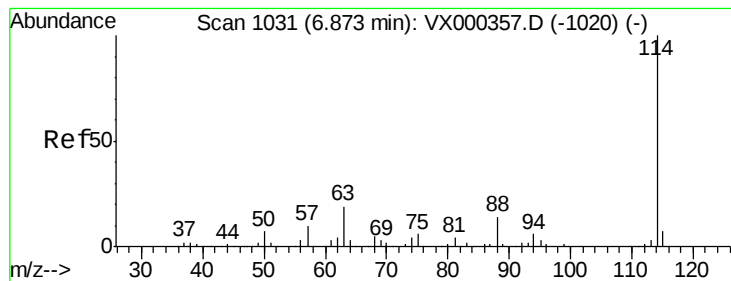
67 50.4 0.0 103.2



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. -0.00 min

Lab File: VX000412.D

Acq: 22 Mar 2018 17:46

Instrument :

MSVOA_X

ClientSampleId :

MW-2-031918

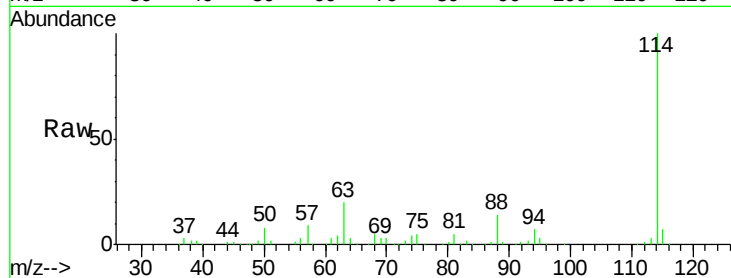
Tot Ion:114 Resp: 156877

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.4

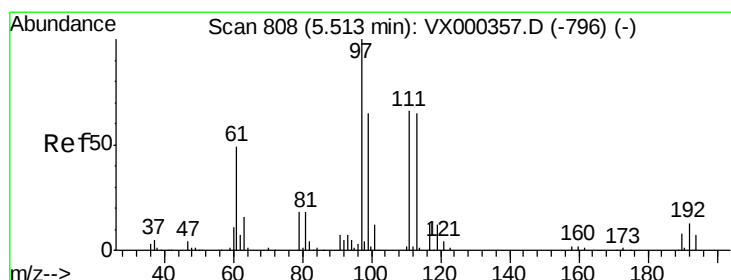
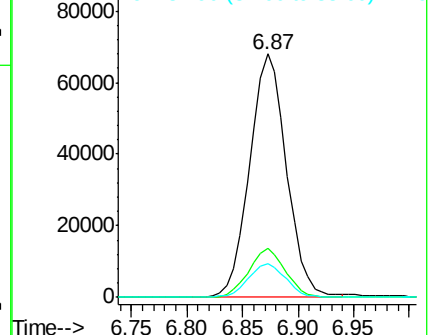
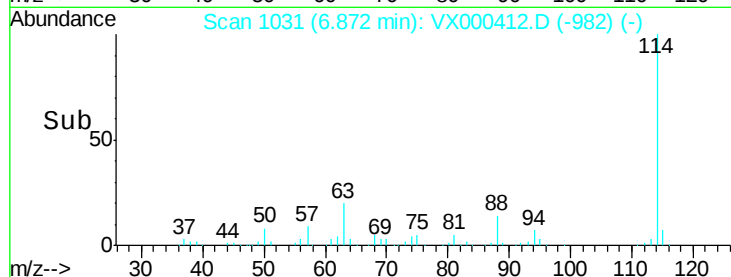
88 13.7 0.0 27.0



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: 51.84 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000412.D

Acq: 22 Mar 2018 17:46

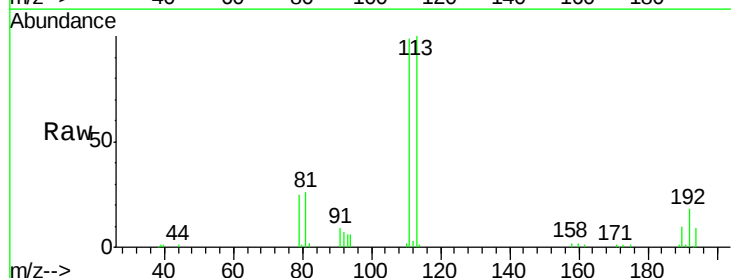
Tgt Ion:113 Resp: 51244

Ion Ratio Lower Upper

113 100

111 100.1 82.4 123.6

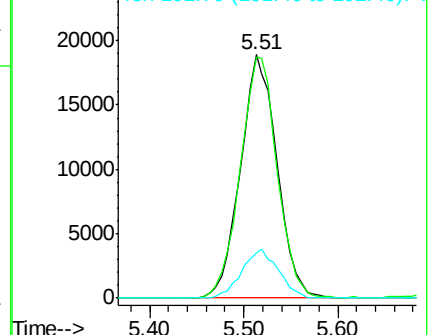
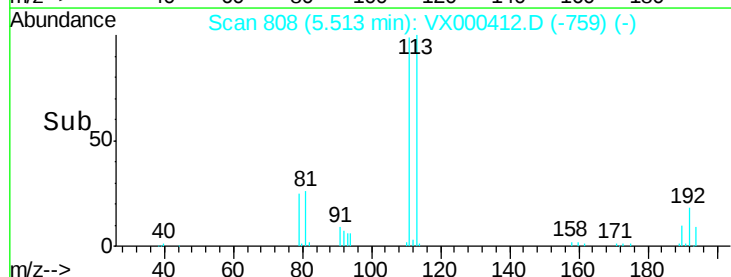
192 20.0 15.8 23.6

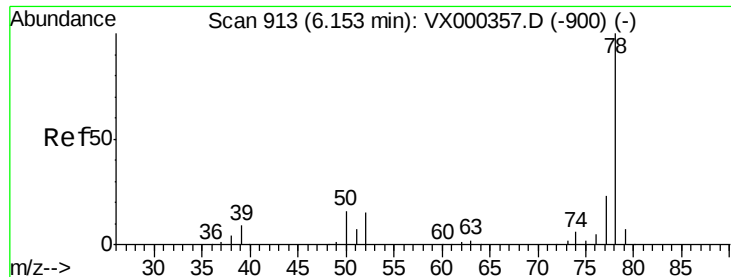


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 14.27 ug/l

RT: 6.16 min Scan# 914

Delta R.T. 0.01 min

Lab File: VX000412.D

Acq: 22 Mar 2018 17:46

Instrument :

MSVOA_X

ClientSampleId :

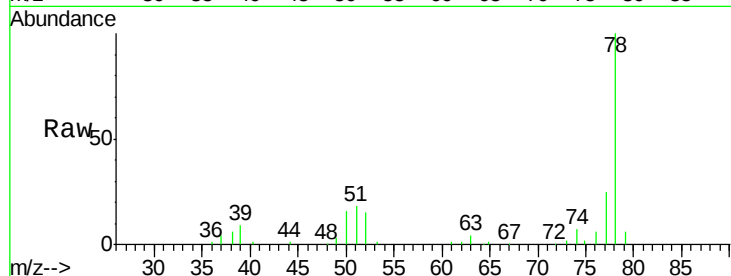
MW-2-031918

Tot Ion: 78 Resp: 60911

Ion Ratio Lower Upper

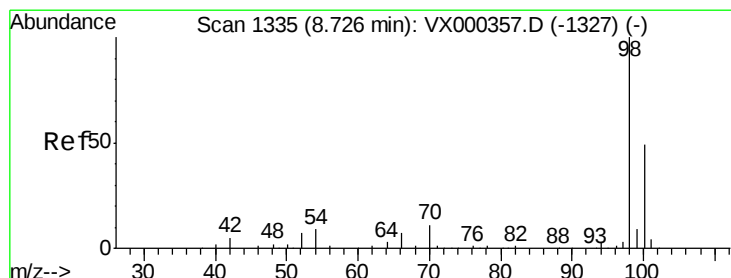
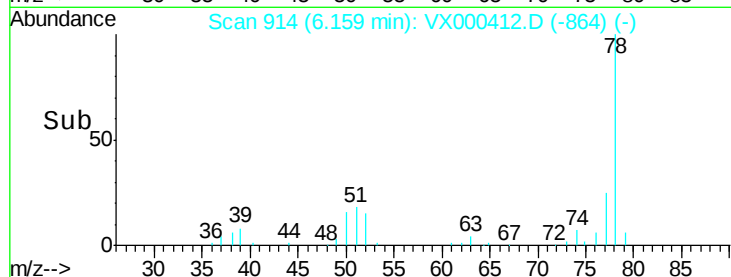
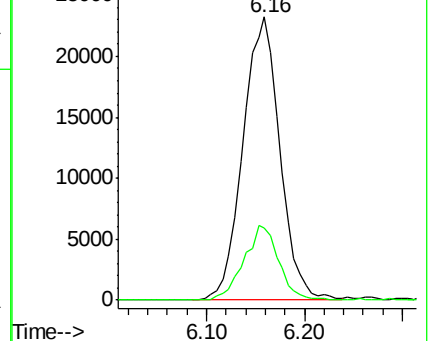
78 100

77 25.3 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 47.55 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000412.D

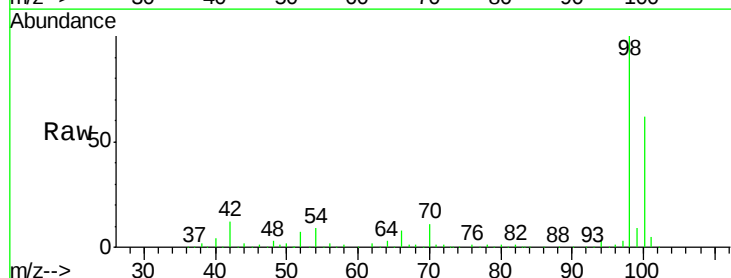
Acq: 22 Mar 2018 17:46

Tgt Ion: 98 Resp: 194659

Ion Ratio Lower Upper

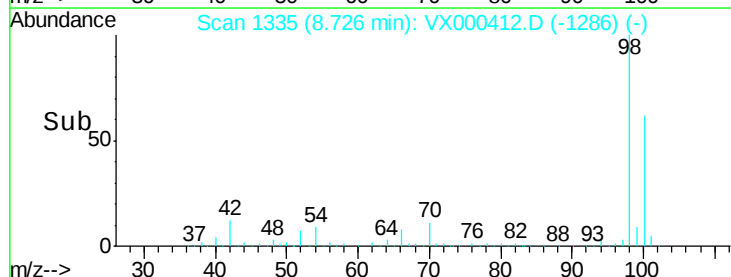
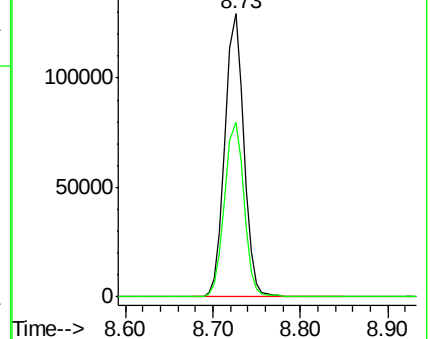
98 100

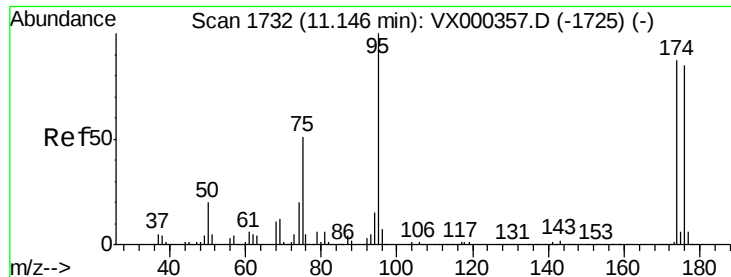
100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 37.27 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000412.D

Acq: 22 Mar 2018 17:46

Instrument :

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ClientSampleId :

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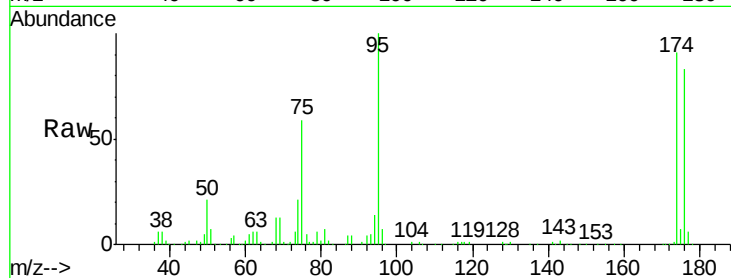
Tot Ion: 95 Resp: 61361

Ion Ratio Lower Upper

95 100

174 89.8 0.0 173.6

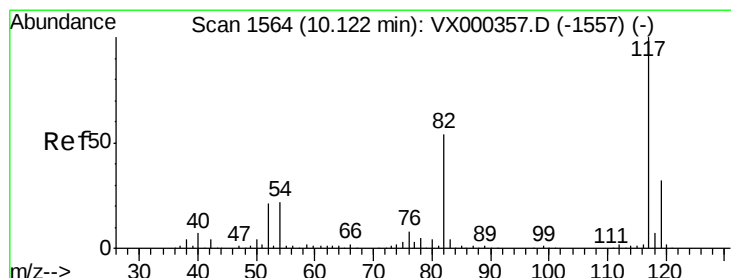
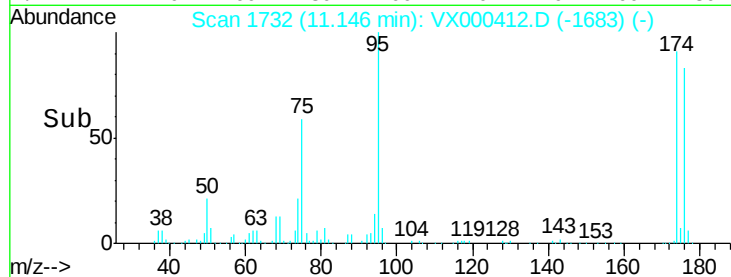
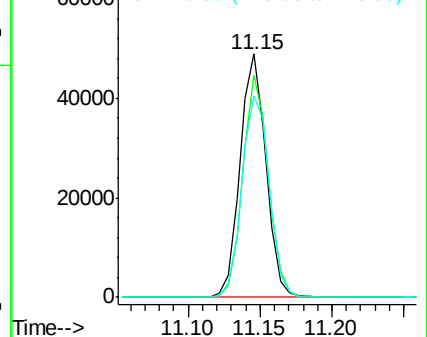
176 87.3 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000412.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000412.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000412.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000412.D

Acq: 22 Mar 2018 17:46

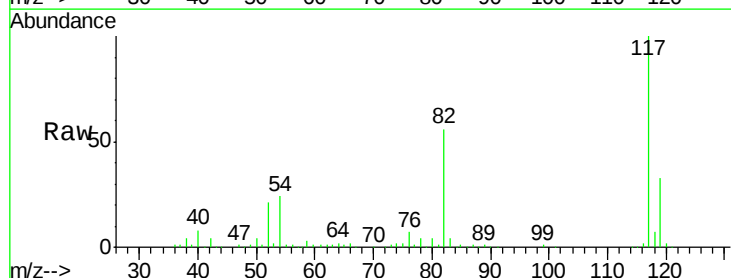
Tgt Ion: 117 Resp: 144803

Ion Ratio Lower Upper

117 100

82 56.1 43.8 65.8

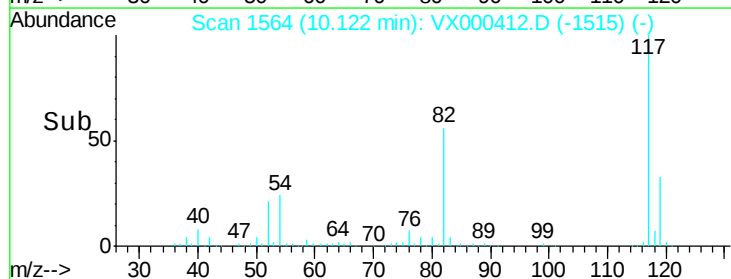
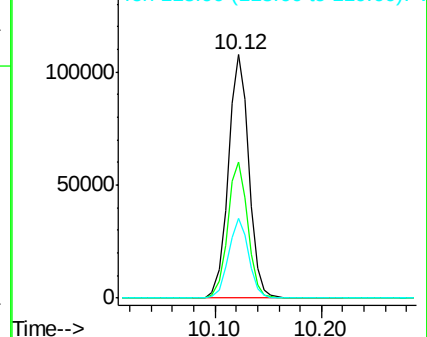
119 33.0 24.9 37.3

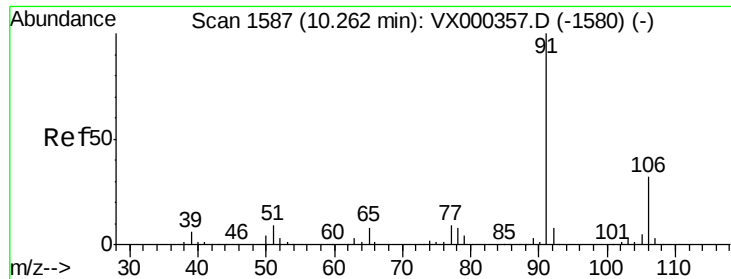


Abundance Ion 116.90 (116.60 to 117.60): VX000412.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000412.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000412.D (-1515) (-)

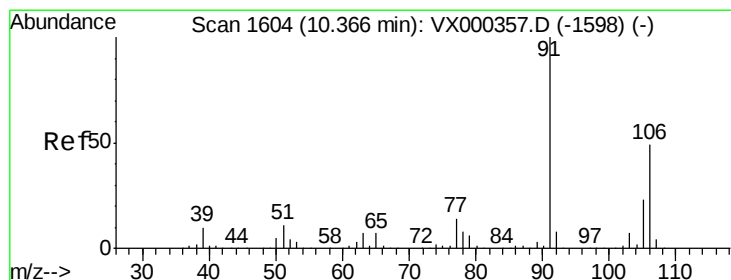
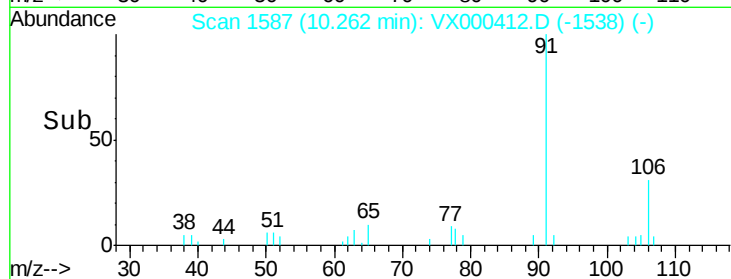
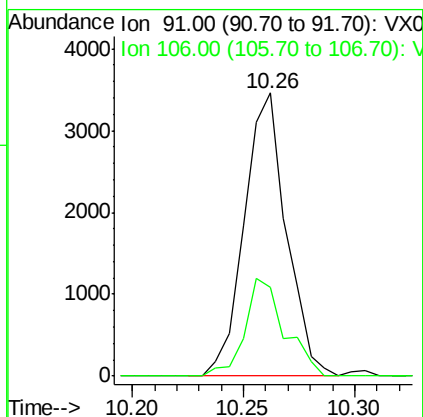
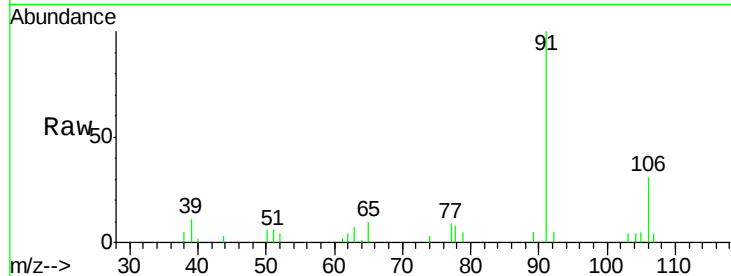




#67
Ethyl Benzene
Concen: 0.84 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000412.D
Acq: 22 Mar 2018 17:46

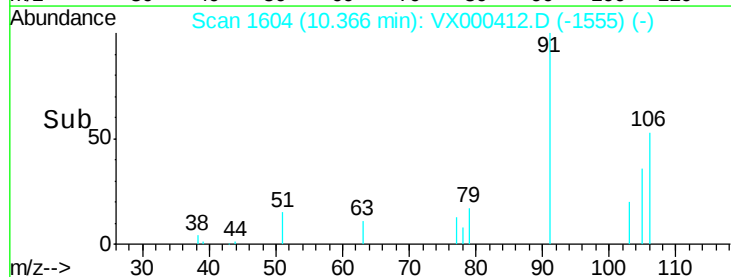
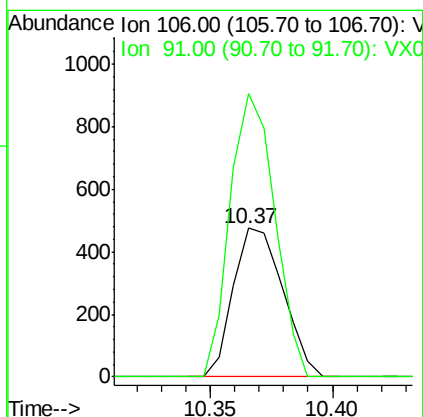
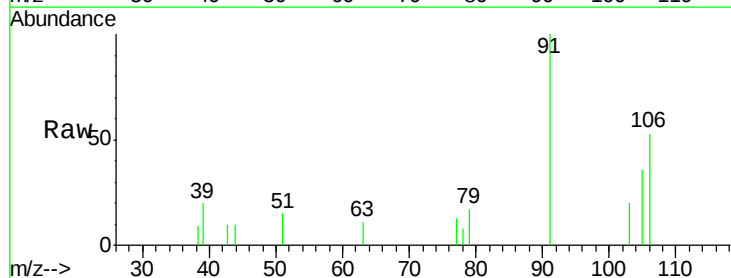
Instrument :
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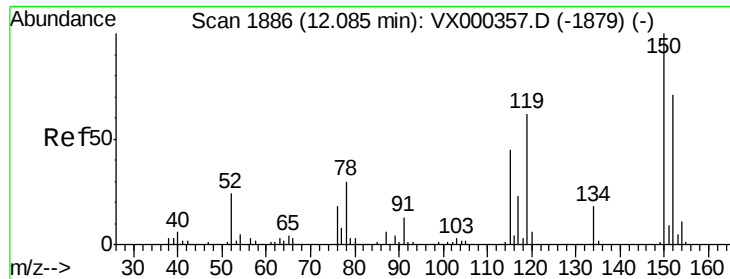
Tot Ion: 91 Resp: 4562
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6



#68
m/p-Xylenes
Concen: 0.31 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000412.D
Acq: 22 Mar 2018 17:46

Tgt Ion: 106 Resp: 676
Ion Ratio Lower Upper
106 100
91 170.1 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000412.D

Acq: 22 Mar 2018 17:46

Instrument :

MSVOA_X

ClientSampled :

MW-2-031918

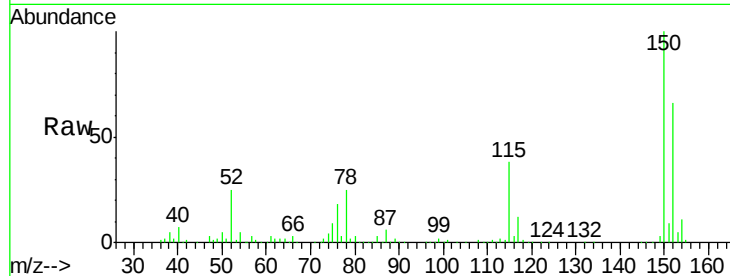
Tot Ion:152 Resp: 64741

Ion Ratio Lower Upper

152 100

115 55.9 39.8 119.3

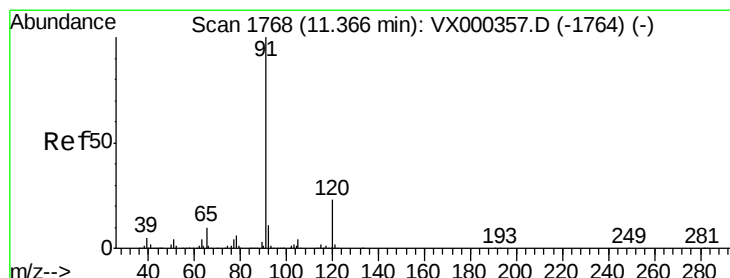
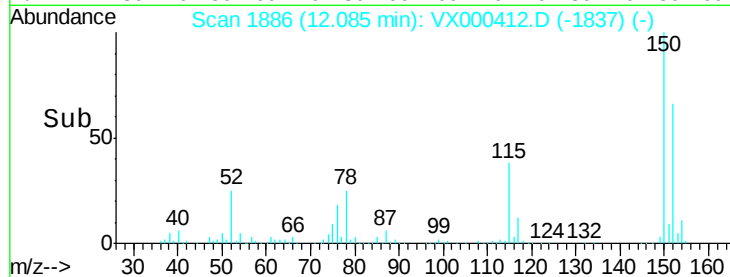
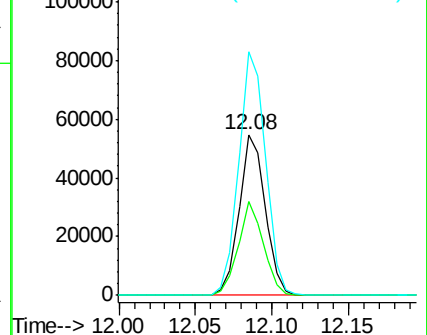
150 155.6 0.0 344.4



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



#78

n-propylbenzene

Concen: 0.23 ug/l

RT: 11.37 min Scan# 1769

Delta R.T. 0.01 min

Lab File: VX000412.D

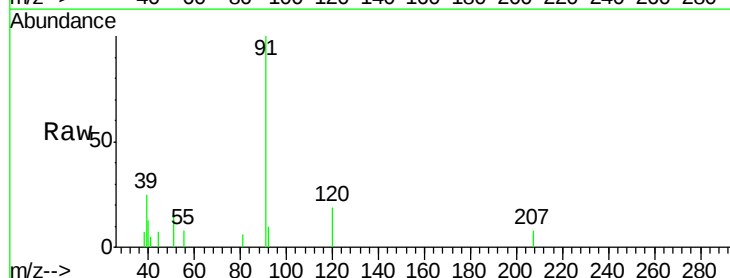
Acq: 22 Mar 2018 17:46

Tgt Ion: 91 Resp: 1183

Ion Ratio Lower Upper

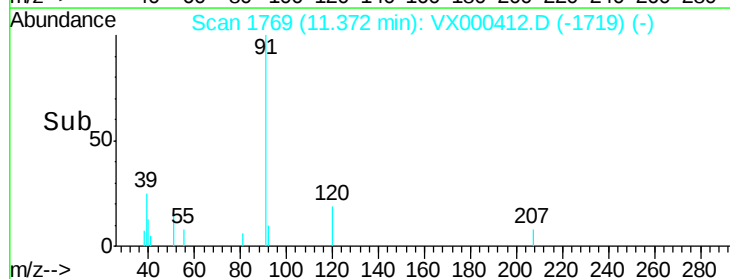
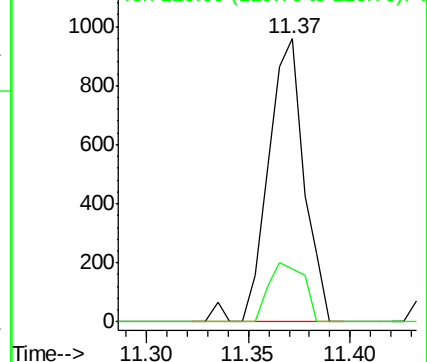
91 100

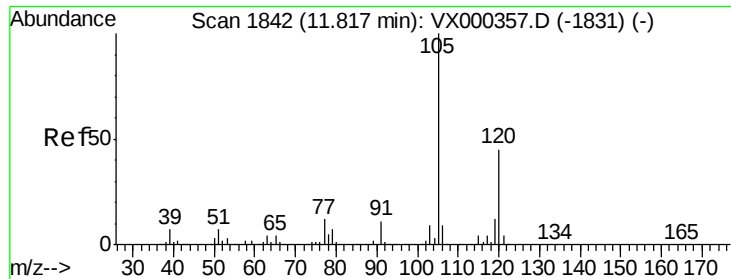
120 20.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#84
 1,2,4-Trimethylbenzene
 Concen: 0.74 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: VX000412.D
 Acq: 22 Mar 2018 17:46

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-031918

Tot Ion:105 Resp: 2802
 Ion Ratio Lower Upper
 105 100
 120 38.2 22.4 67.3

