

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041518\
 Data File : VX000908.D
 Acq On : 15 Apr 2018 20:00
 Operator : JC/MD
 Sample : J2336-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SL

Quant Time: Apr 16 08:55:58 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	281665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	377240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	354414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	236983	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	168353	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
35) Dibromofluoromethane	5.51	113	133893	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	
50) Toluene-d8	8.72	98	528682	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.14	95	212367	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	

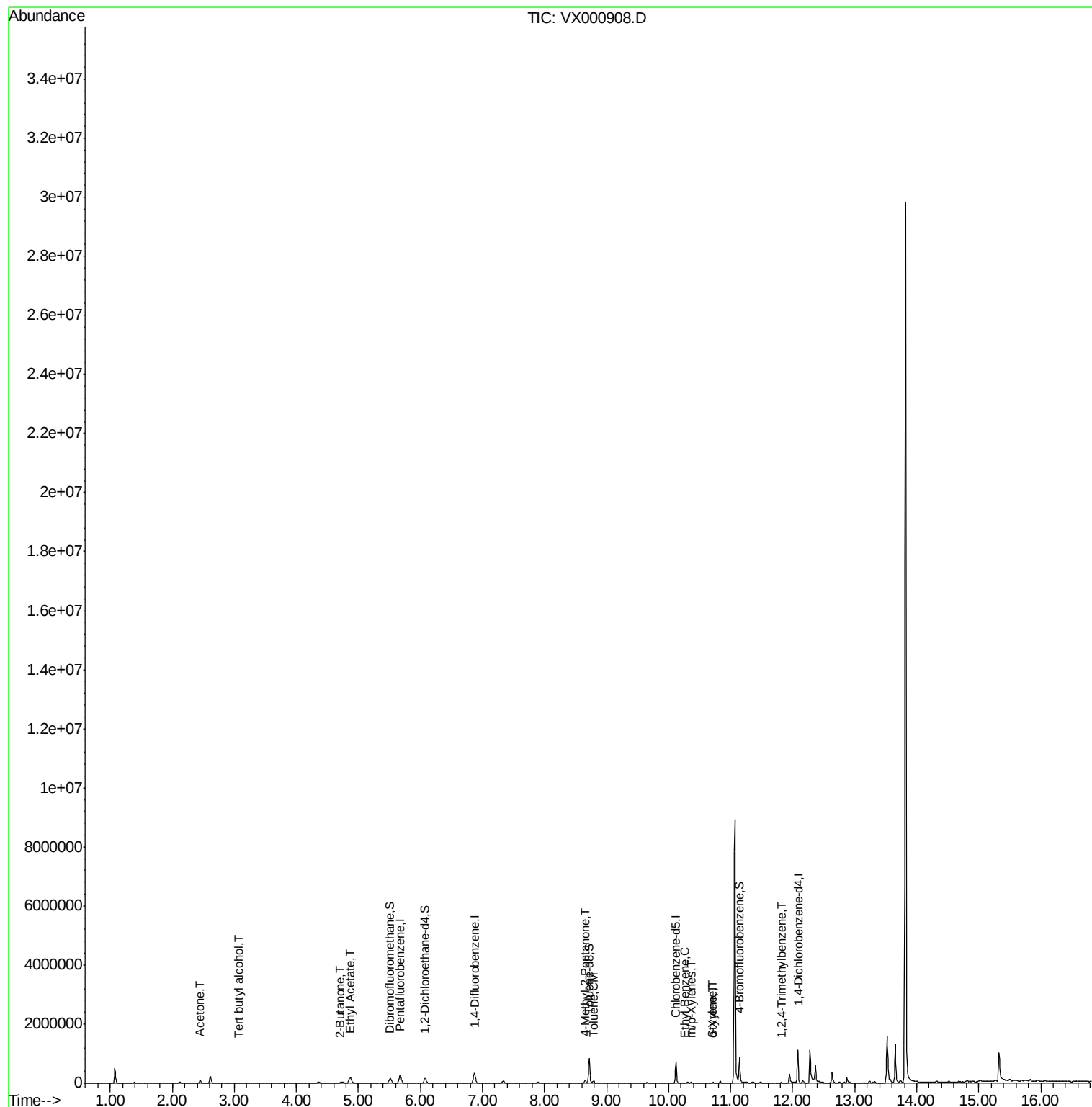
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	7656	12.14	ug/l	# 91
16) Acetone	2.45	43	98082	80.08	ug/l	99
25) 2-Butanone	4.71	43	38498	19.04	ug/l	98
37) Ethyl Acetate	4.87	43	344412	84.92	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	58576	14.34	ug/l	100
52) Toluene	8.79	92	24765	3.23	ug/l	100
67) Ethyl Benzene	10.26	91	4953	0.33	ug/l	98
68) m/p-Xylenes	10.37	106	6765	1.15	ug/l	90
69) o-Xylene	10.71	106	2751	0.49	ug/l	95
70) Styrene	10.72	104	8908	0.93	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	4749	0.36	ug/l	76

(#) = 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: VX000908.D

Acq: 15 Apr 2018 20:00

Instrument :

MSVOA_X

ClientSampleId :

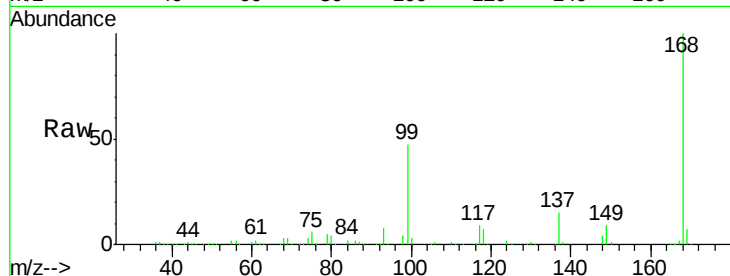
SL

Tot Ion:168 Resp: 281665

Ion Ratio Lower Upper

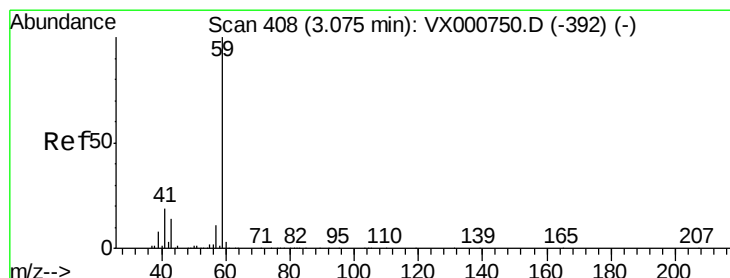
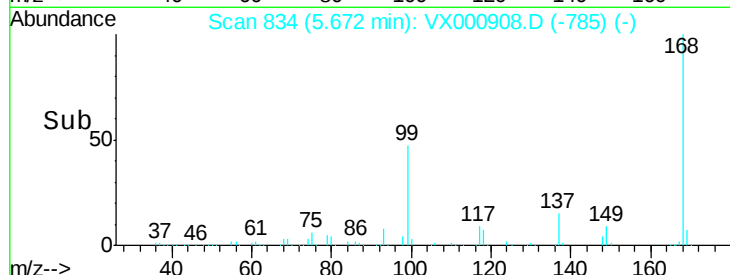
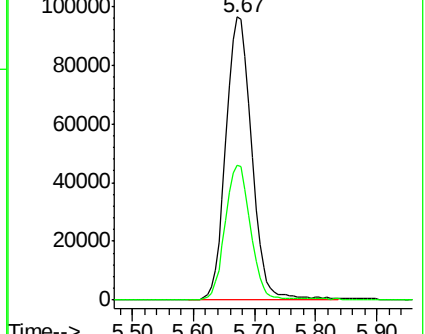
168 100

99 47.5 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 12.14 ug/l

RT: 3.06 min Scan# 406

Delta R.T. -0.01 min

Lab File: VX000908.D

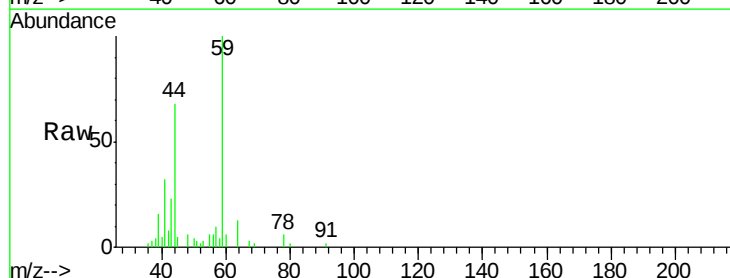
Acq: 15 Apr 2018 20:00

Tgt Ion: 59 Resp: 7656

Ion Ratio Lower Upper

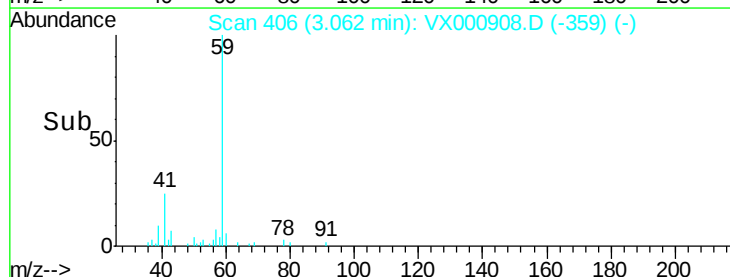
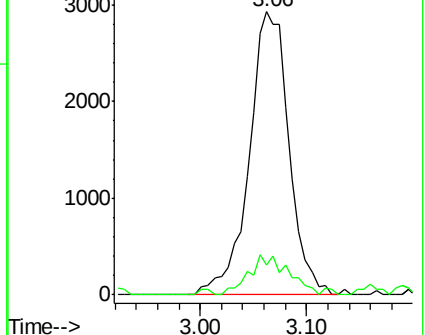
59 100

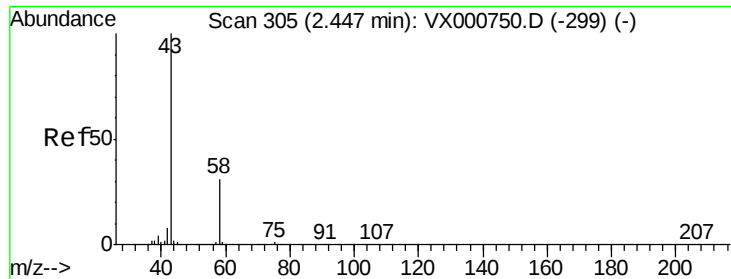
57 13.9 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 80.08 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000908.D

Acq: 15 Apr 2018 20:00

Instrument :

MSVOA_X

ClientSampleId :

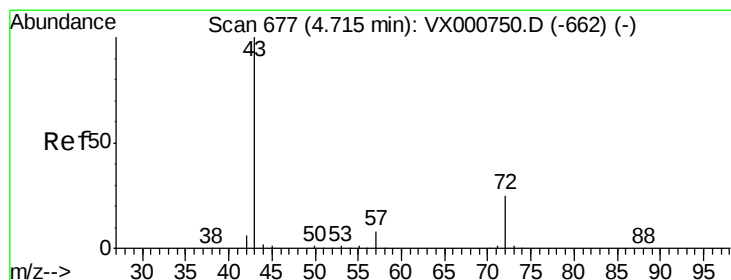
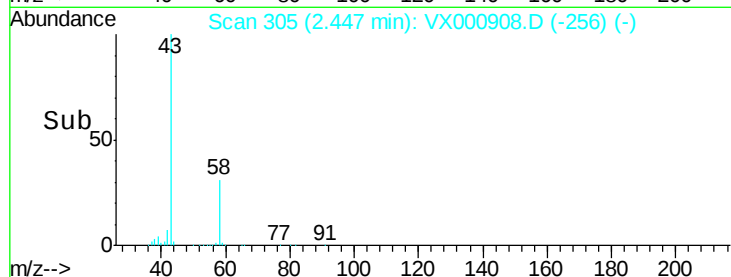
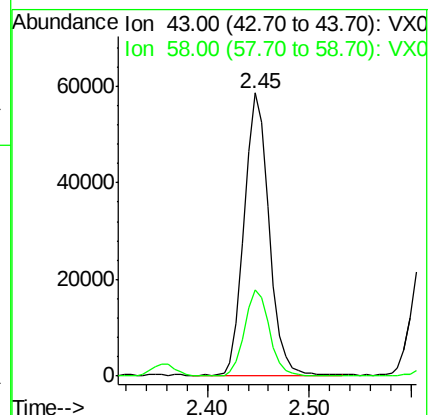
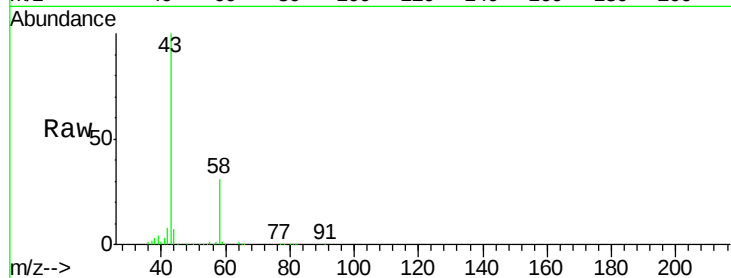
SL

Tot Ion: 43 Resp: 98082

Ion Ratio Lower Upper

43 100

58 30.5 24.6 37.0



#25

2-Butanone

Concen: 19.04 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000908.D

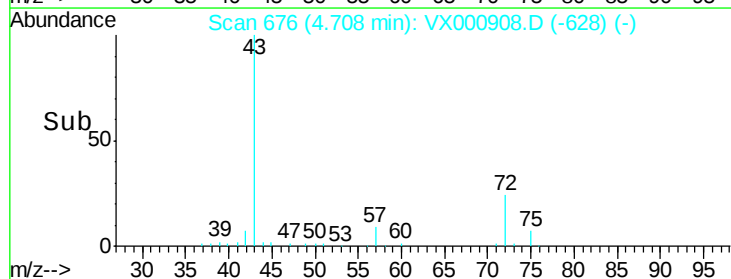
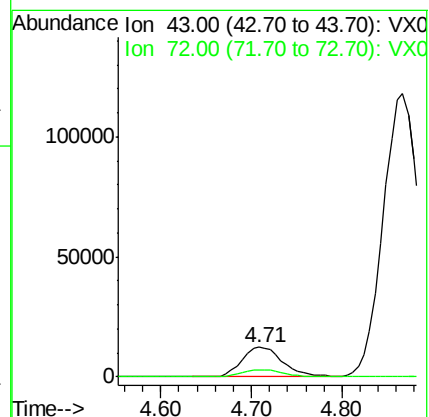
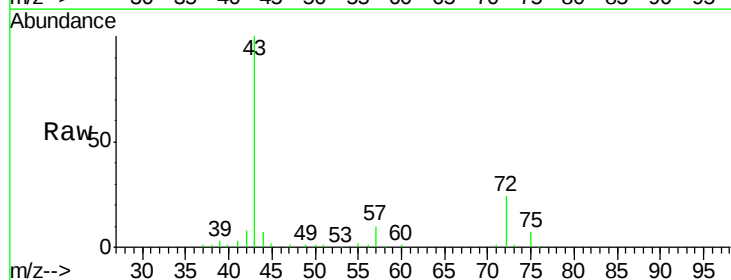
Acq: 15 Apr 2018 20:00

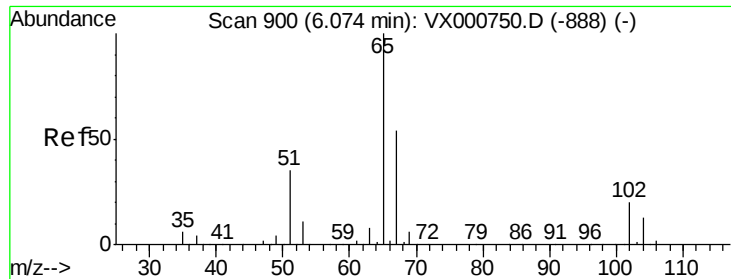
Tgt Ion: 43 Resp: 38498

Ion Ratio Lower Upper

43 100

72 24.6 20.3 30.5





#33

1,2-Dichloroethane-d4

Concen: 47.40 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000908.D

Acq: 15 Apr 2018 20:00

Instrument :

MSVOA_X

ClientSampleId :

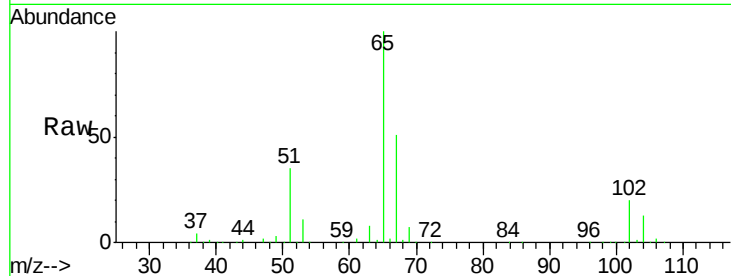
SL

Tot Ion: 65 Resp: 168353

Ion Ratio Lower Upper

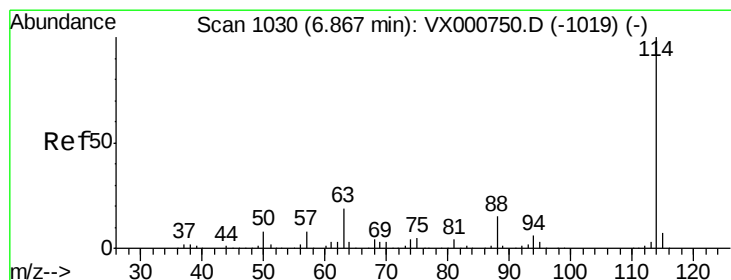
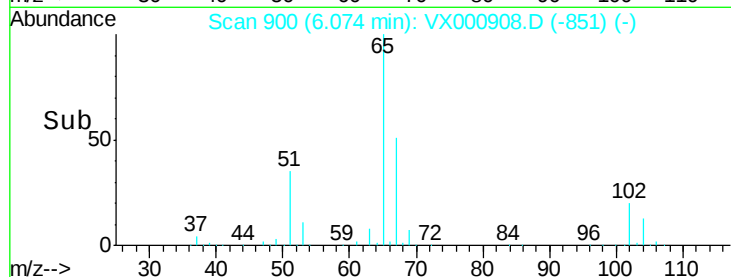
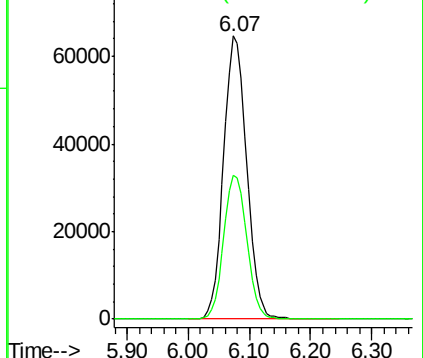
65 100

67 51.2 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# 1030

Delta R.T. -0.00 min

Lab File: VX000908.D

Acq: 15 Apr 2018 20:00

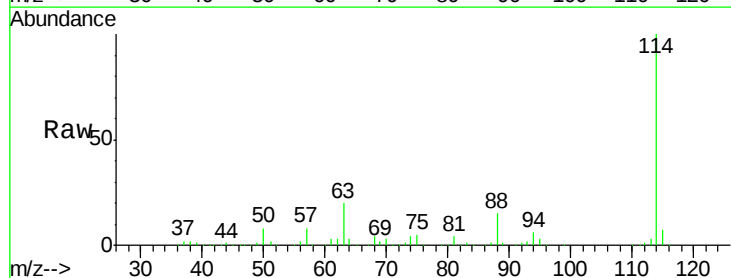
Tgt Ion: 114 Resp: 377240

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

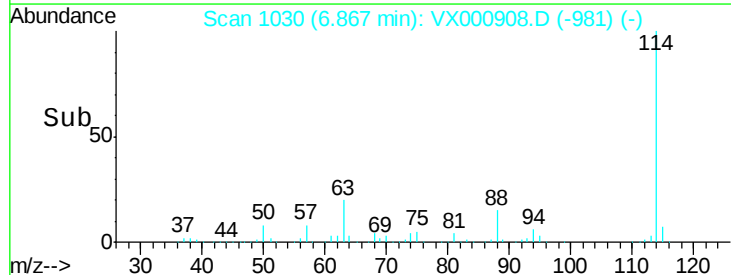
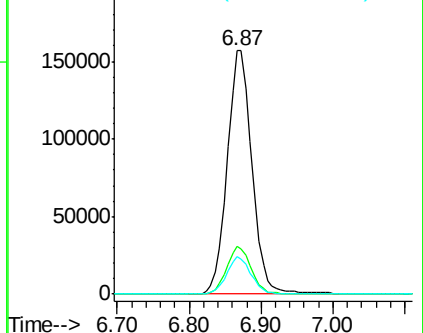
88 15.3 0.0 31.0

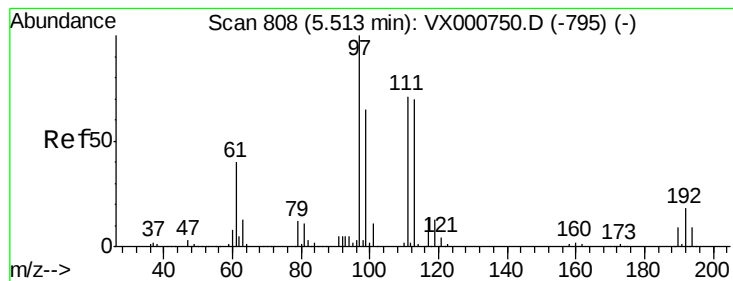


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.07 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000908.D

Acq: 15 Apr 2018 20:00

Instrument :

MSVOA_X

ClientSampleId :

SL

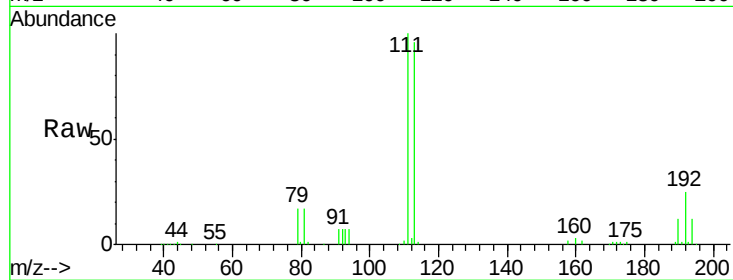
Tot Ion:113 Resp: 133893

Ion Ratio Lower Upper

113 100

111 103.2 81.5 122.3

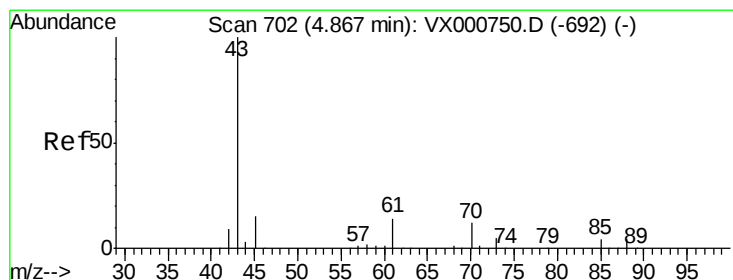
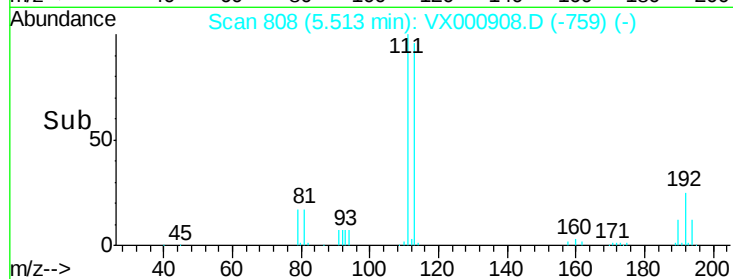
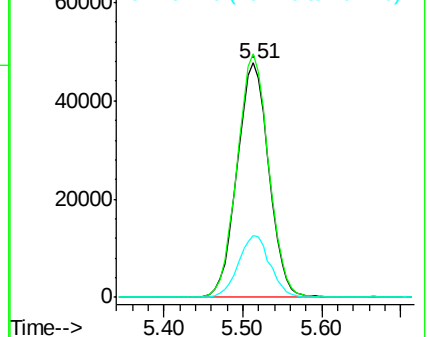
192 26.2 20.4 30.6



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



#37

Ethyl Acetate

Concen: 84.92 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.00 min

Lab File: VX000908.D

Acq: 15 Apr 2018 20:00

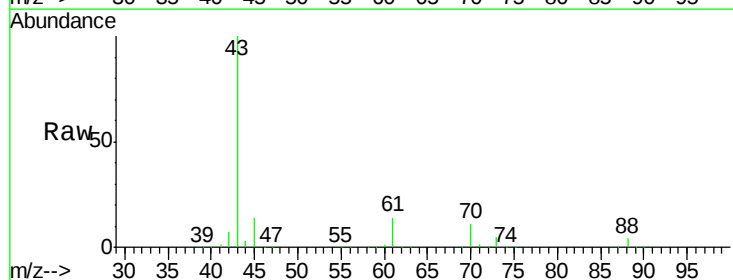
Tgt Ion: 43 Resp: 344412

Ion Ratio Lower Upper

43 100

61 13.8 11.0 16.4

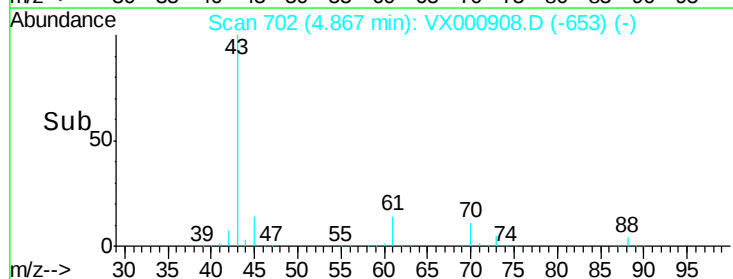
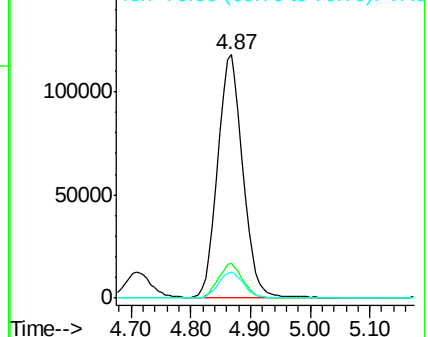
70 10.8 8.7 13.1

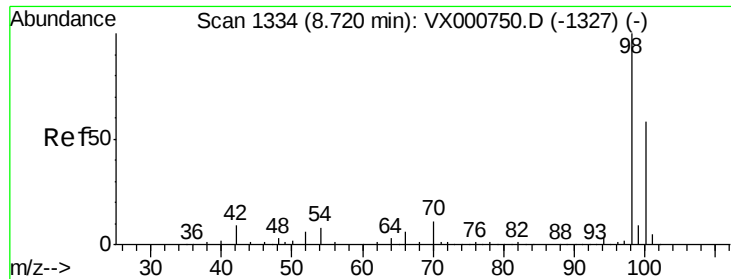


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#50

Toluene-d8

Concen: 48.85 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000908.D

Acq: 15 Apr 2018 20:00

Instrument :

MSVOA_X

ClientSampled :

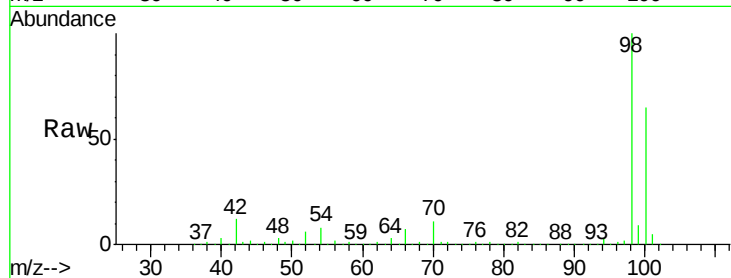
SL

Tot Ion: 98 Resp: 528682

Ion Ratio Lower Upper

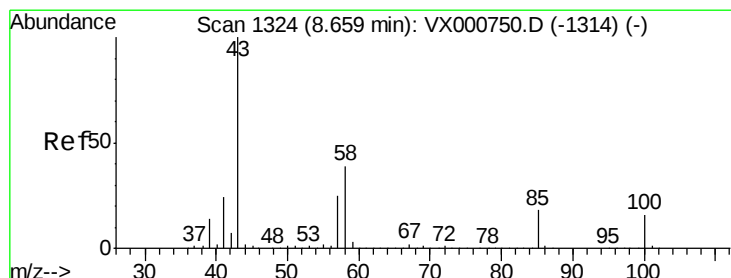
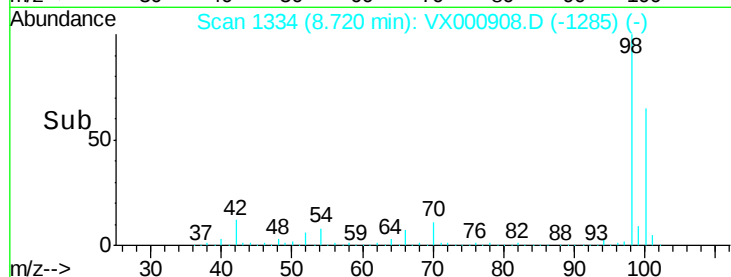
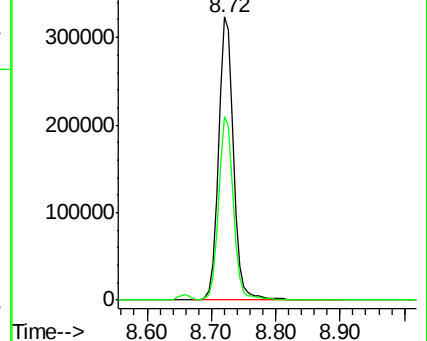
98 100

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



#51

4-Methyl-2-Pentanone

Concen: 14.34 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000908.D

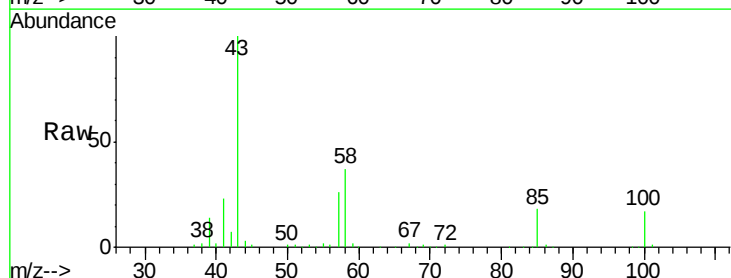
Acq: 15 Apr 2018 20:00

Tgt Ion: 43 Resp: 58576

Ion Ratio Lower Upper

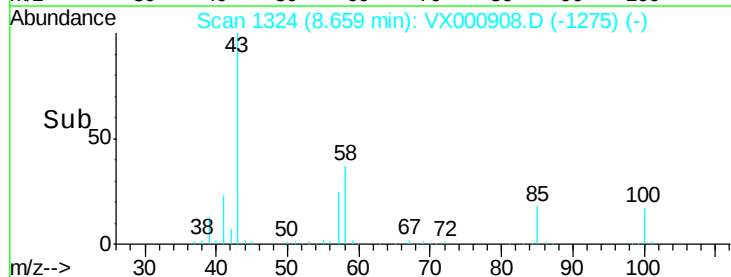
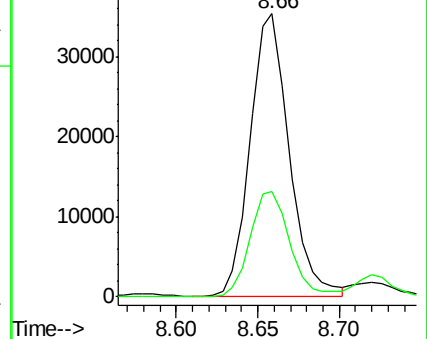
43 100

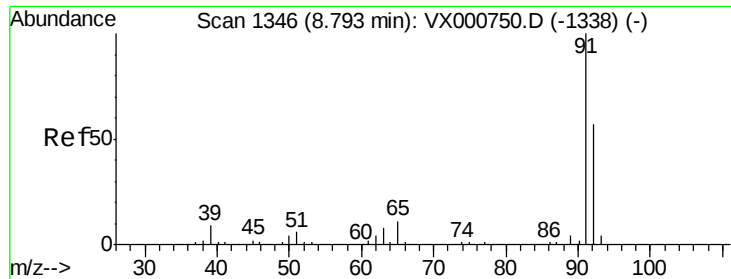
58 37.9 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 3.23 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000908.D

Acq: 15 Apr 2018 20:00

Instrument :

MSVOA_X

ClientSampled :

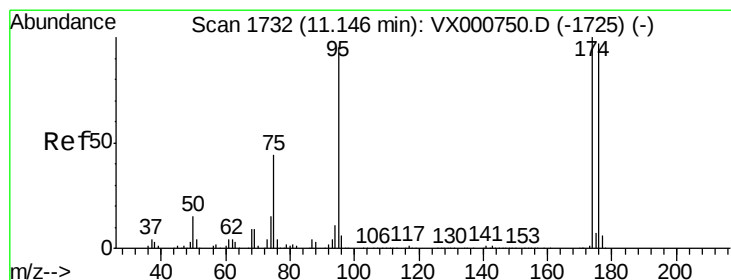
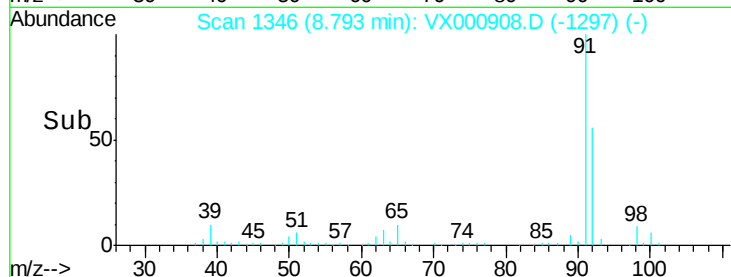
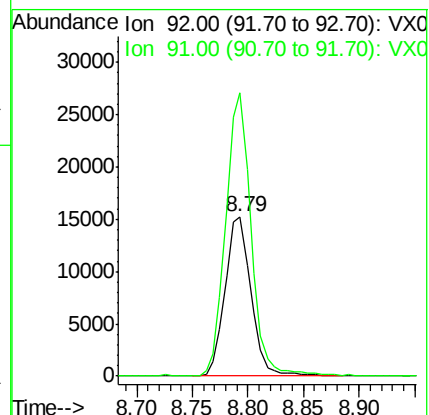
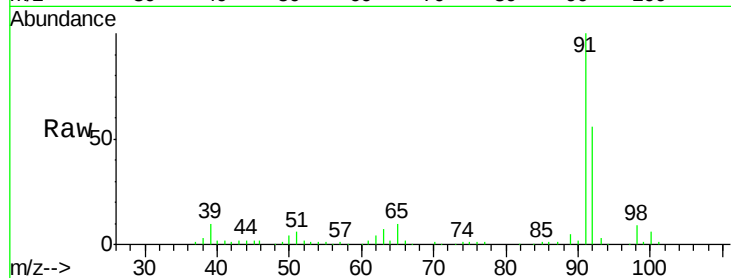
SL

Tot Ion: 92 Resp: 24765

Ion Ratio Lower Upper

92 100

91 173.2 139.0 208.4



#62

4-Bromofluorobenzene

Concen: 47.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000908.D

Acq: 15 Apr 2018 20:00

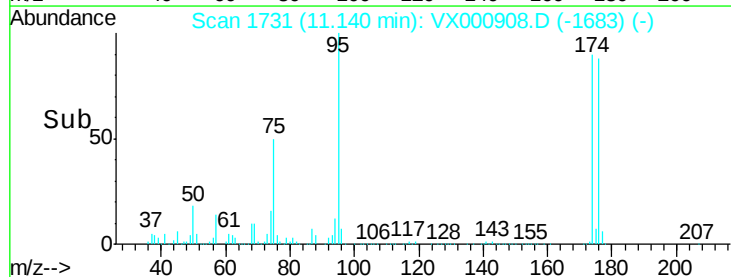
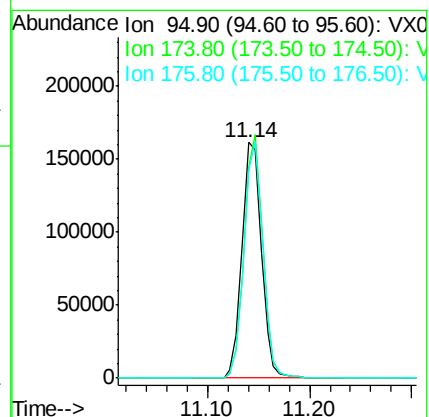
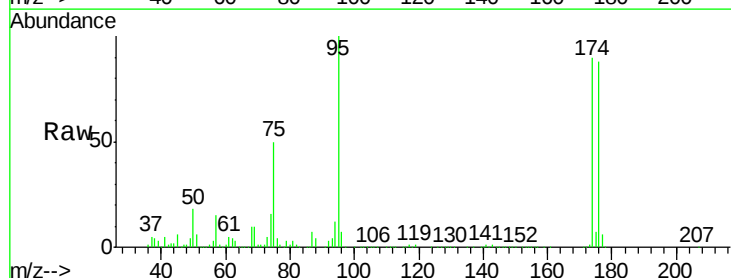
Tgt Ion: 95 Resp: 212367

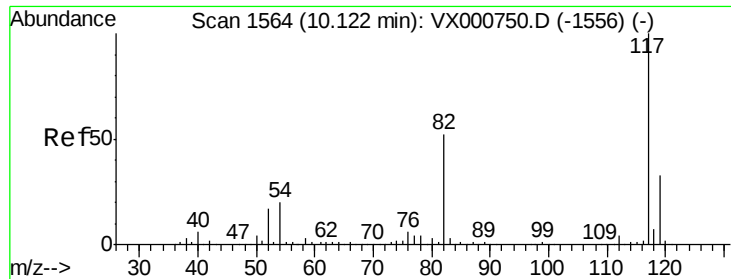
Ion Ratio Lower Upper

95 100

174 98.8 0.0 198.4

176 96.6 0.0 194.4

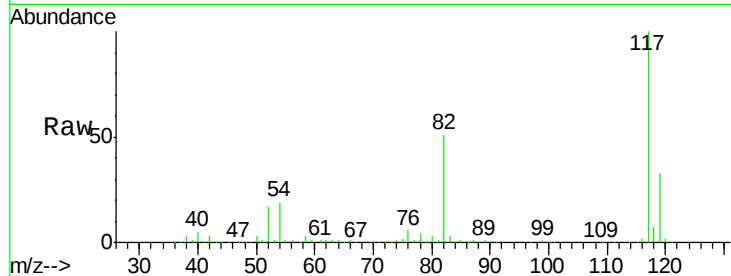




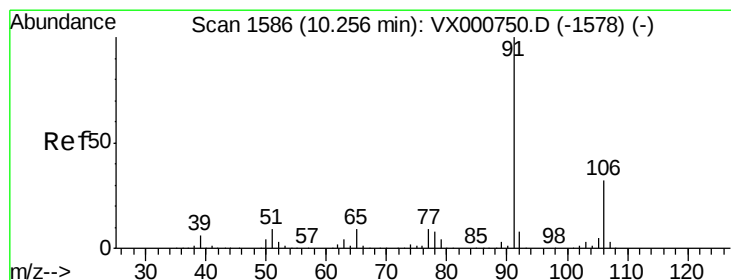
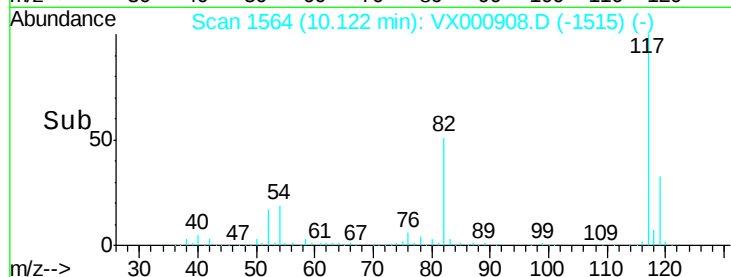
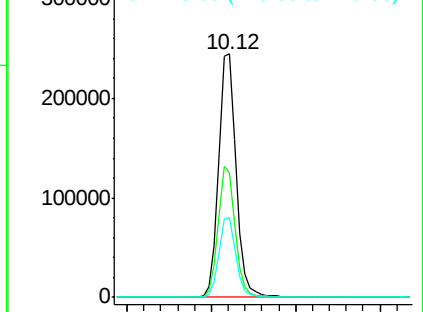
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000908.D
Acq: 15 Apr 2018 20:00

Instrument :
MSVOA_X
ClientSampleId :
SL

Tot Ion:117 Resp: 354414
Ion Ratio Lower Upper
117 100
82 51.2 41.9 62.9
119 32.6 26.0 39.0

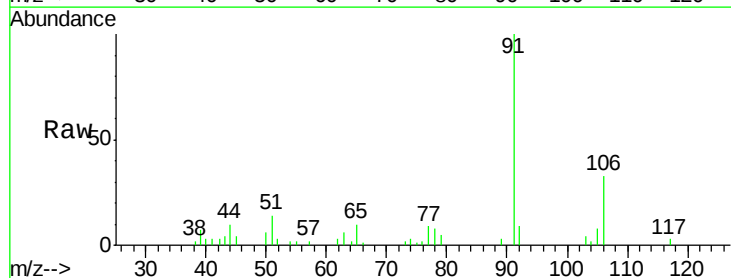


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

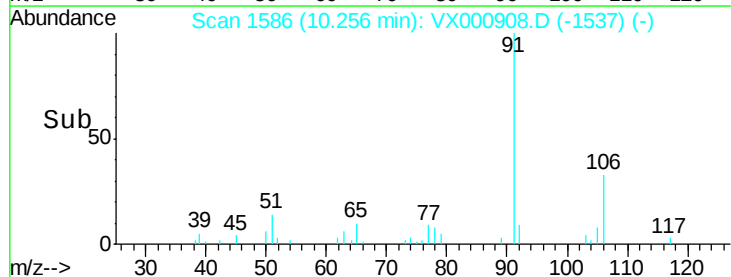
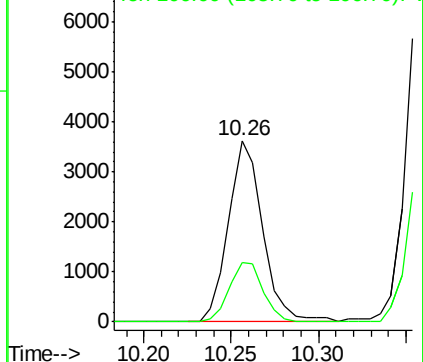


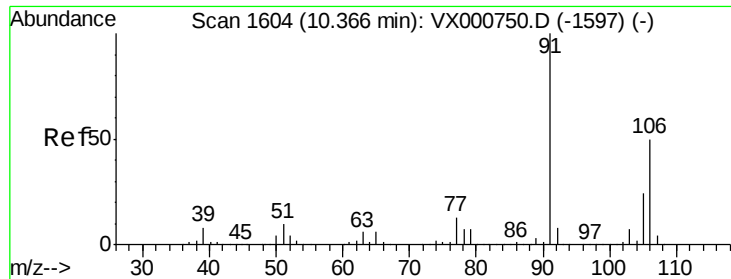
#67
Ethyl Benzene
Concen: 0.33 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000908.D
Acq: 15 Apr 2018 20:00

Tgt Ion: 91 Resp: 4953
Ion Ratio Lower Upper
91 100
106 32.7 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

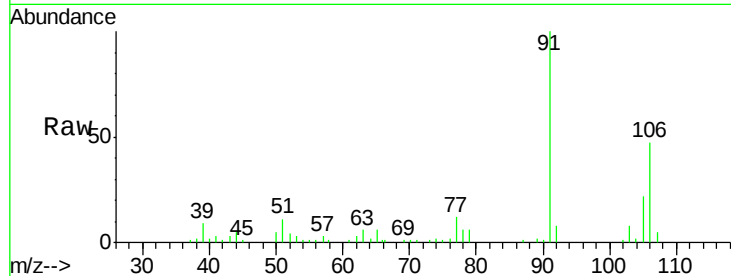




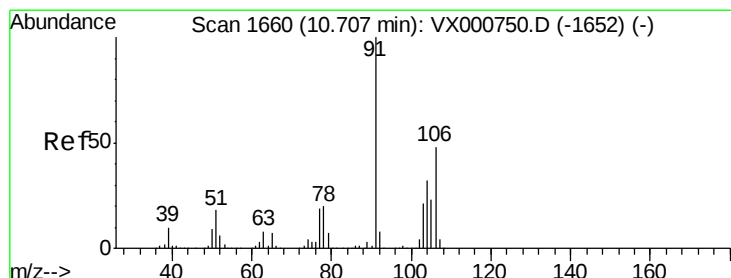
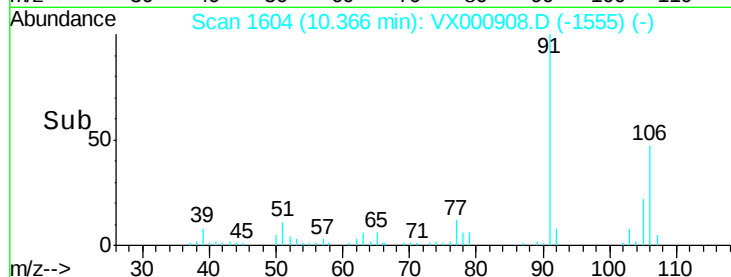
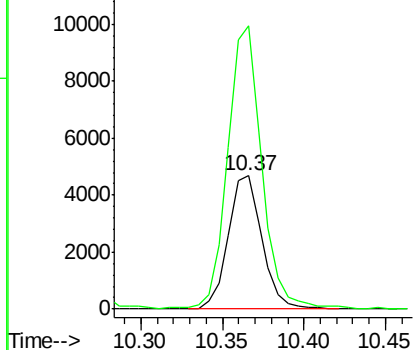
#68
m/p-Xylenes
Concen: 1.15 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000908.D
Acq: 15 Apr 2018 20:00

Instrument :
MSVOA_X
ClientSampled :
SL

Tot Ion:106 Resp: 6765
Ion Ratio Lower Upper
106 100
91 214.1 159.3 238.9

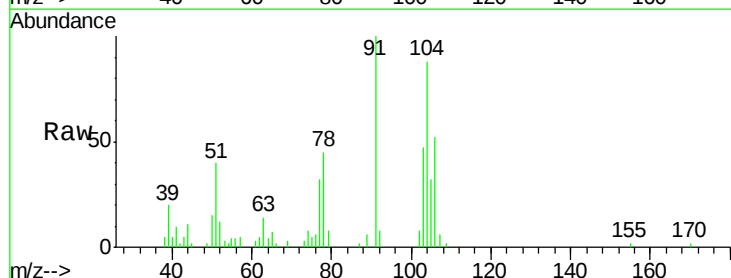


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

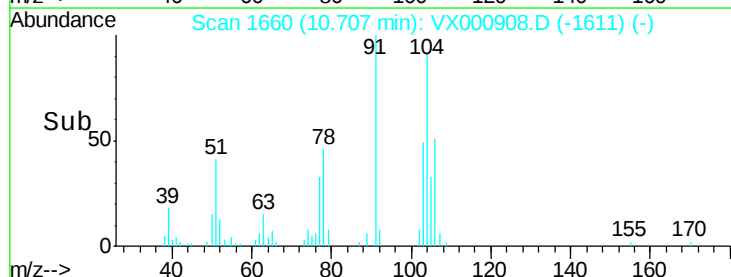
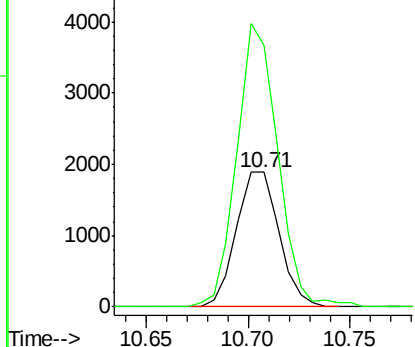


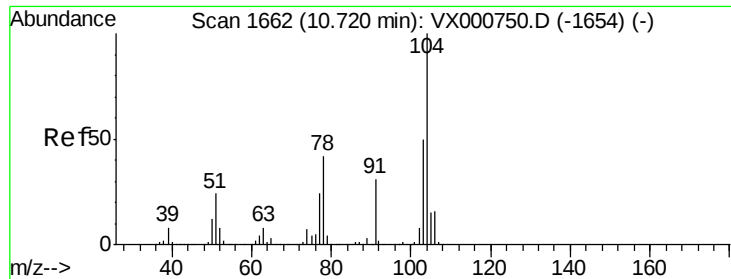
#69
o-Xylene
Concen: 0.49 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000908.D
Acq: 15 Apr 2018 20:00

Tgt Ion:106 Resp: 2751
Ion Ratio Lower Upper
106 100
91 202.0 105.0 315.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

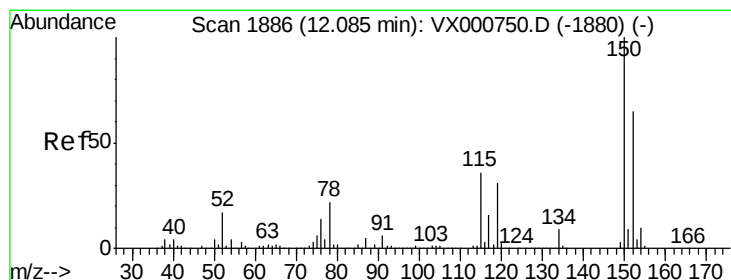
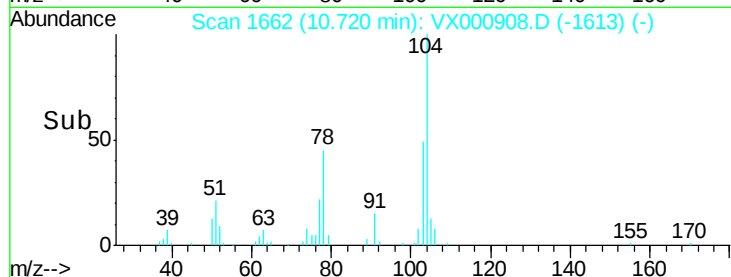
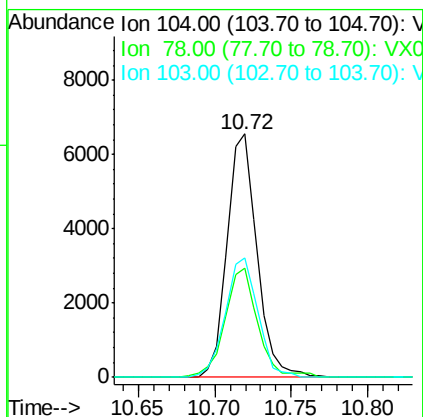
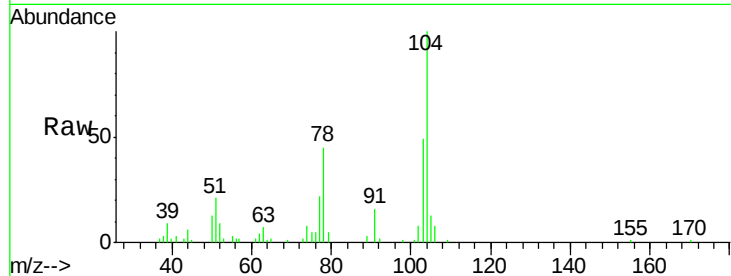




#70
Stvrene
Concen: 0.93 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000908.D
Acq: 15 Apr 2018 20:00

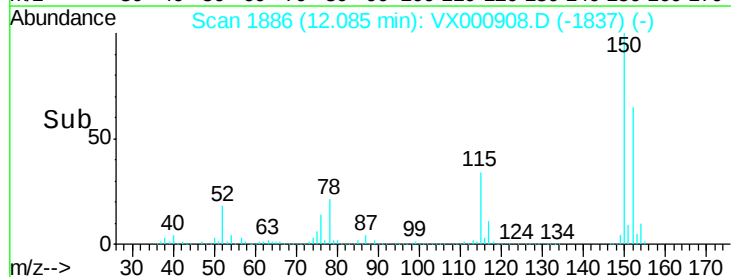
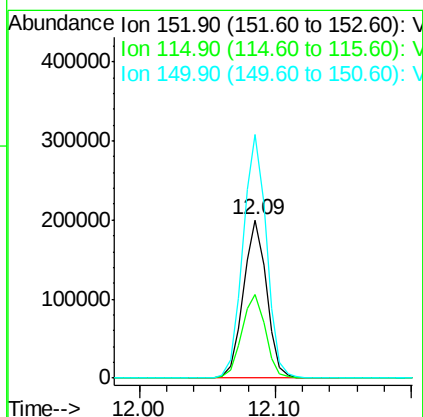
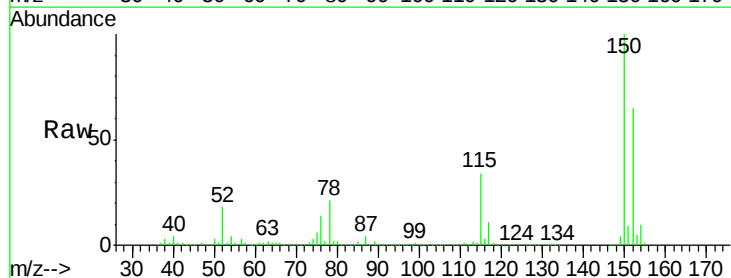
Instrument :
MSVOA_X
ClientSampleId :
SL

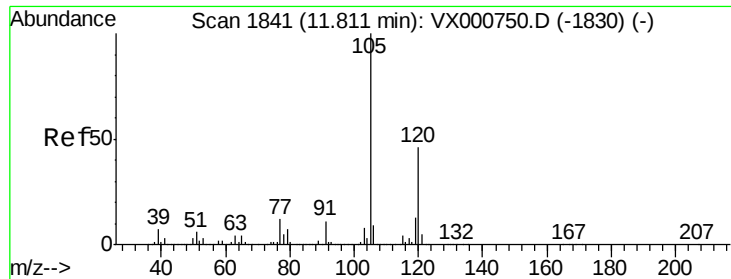
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.0	58.6
103	53.1	44.1	66.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000908.D
Acq: 15 Apr 2018 20:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	37.9	113.7
150	155.9	0.0	348.0





#84
 1,2,4-Trimethylbenzene
 Concen: 0.36 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: VX000908.D
 Acq: 15 Apr 2018 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 SL

Tot Ion:105 Resp: 4749
 Ion Ratio Lower Upper
 105 100
 120 30.4 23.1 69.3

