

Data File : VX002886.D
Acq On : 26 Jun 2018 03:26
Operator : JC/MD
Sample : J3693-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
W-15

Quant Time: Jul 04 07:07:06 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	249944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	350176	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187622	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	170031	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	5.51	113	137001	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
50) Toluene-d8	8.72	98	492428	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
62) 4-Bromofluorobenzene	11.14	95	174973	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	

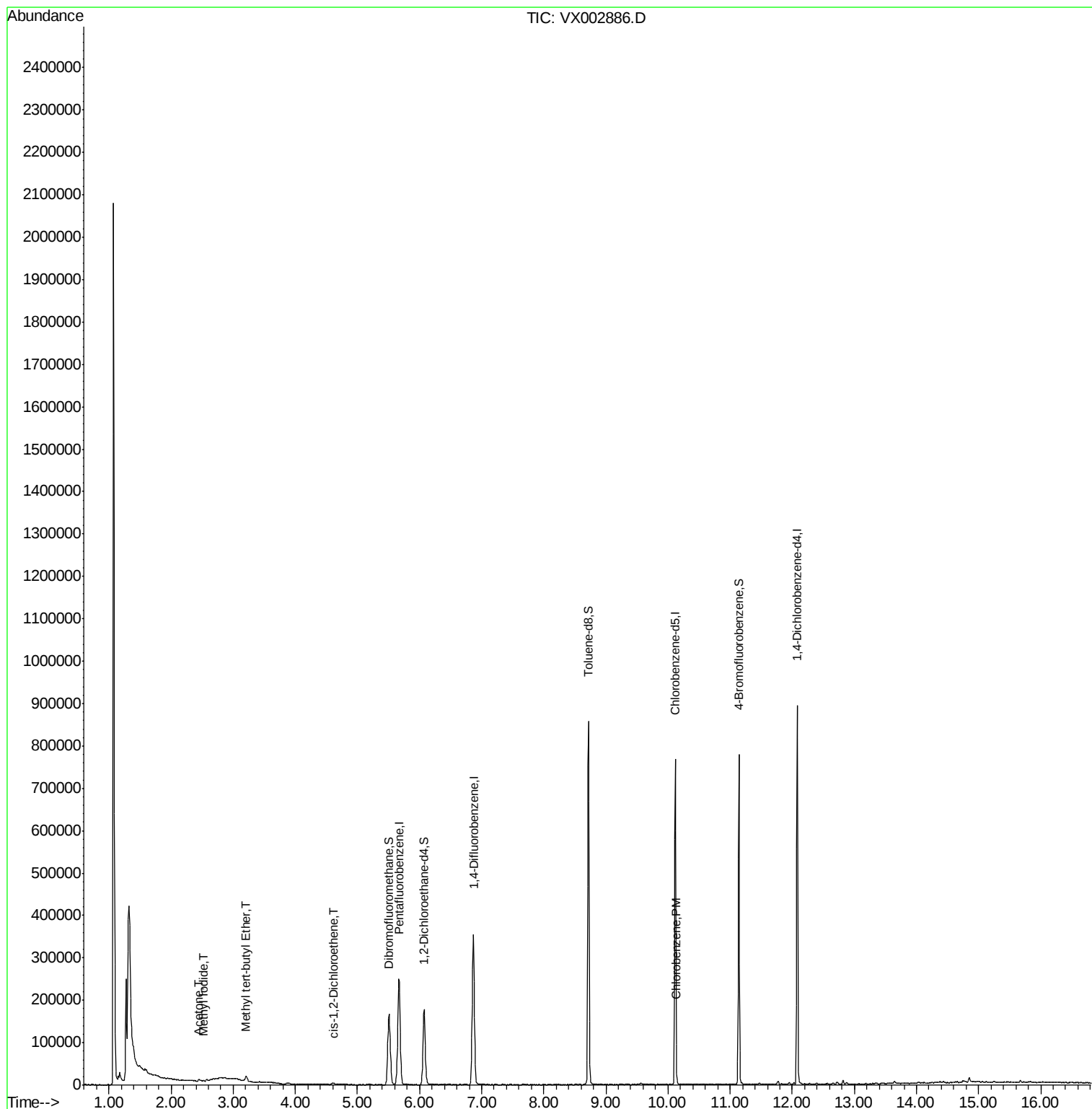
Target Compounds				Qvalue		
10) Methyl Iodide	2.52	142	2094	6.880	ug/l	94
16) Acetone	2.45	43	4661	3.258	ug/l	91
19) Methyl tert-butyl Ether	3.21	73	12338	1.392	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	1016	0.338	ug/l #	1
65) Chlorobenzene	10.14	112	1874	0.227	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002886.D

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Instrument :

MSVOA_X

ClientSampleId :

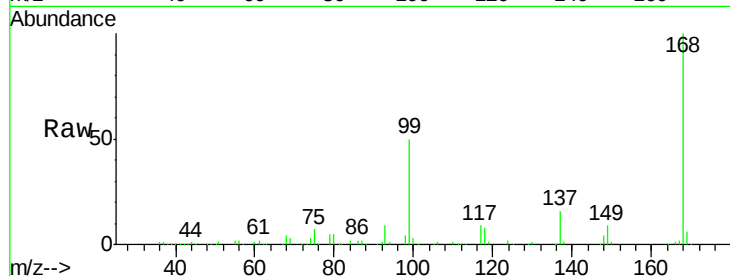
W-15

Tgt Ion:168 Resp: 249944

Ion Ratio Lower Upper

168 100

99 50.2 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

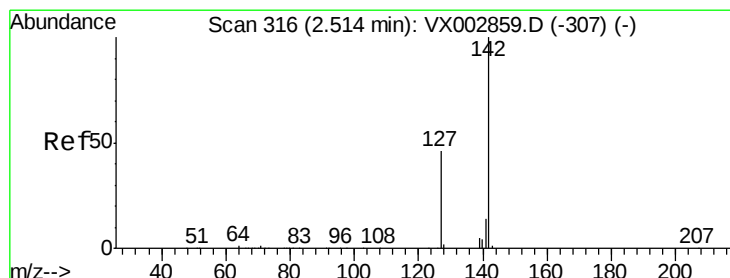
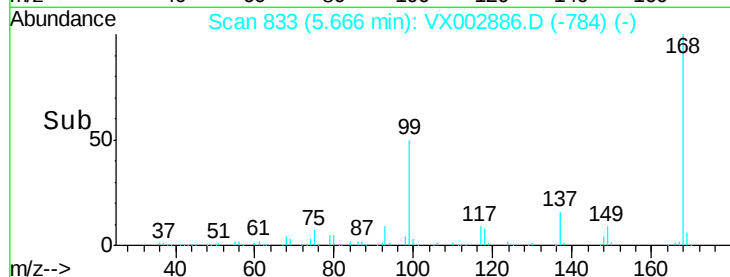
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 6.880 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002886.D

Acq: 26 Jun 2018 03:26

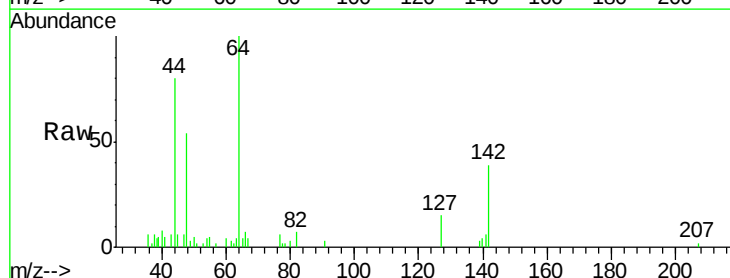
Tgt Ion:142 Resp: 2094

Ion Ratio Lower Upper

142 100

127 41.1 36.6 55.0

141 12.5 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

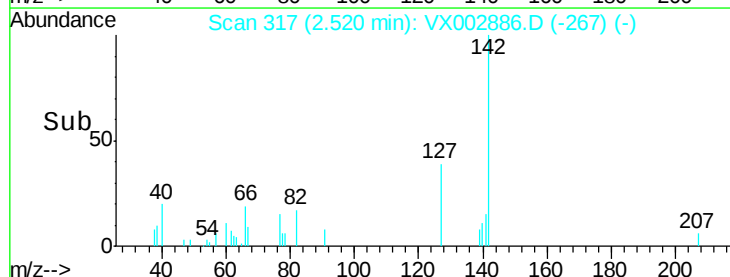
2.52

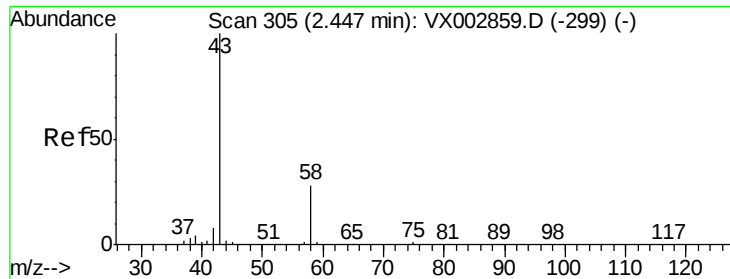
1000

500

0

Time--> 2.45 2.50 2.55 2.60





#16

Acetone

Concen: 3.258 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002886.D

Acq: 26 Jun 2018 03:26

Instrument :

MSVOA_X

ClientSampled :

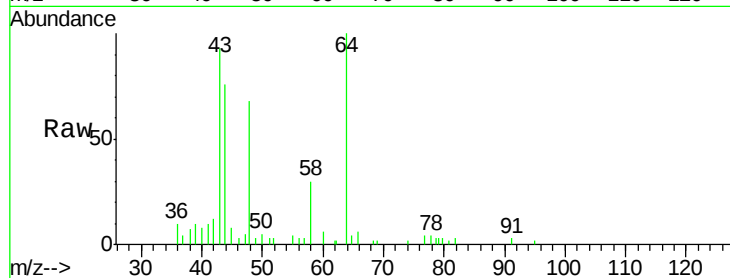
W-15

Tgt Ion: 43 Resp: 4661

Ion Ratio Lower Upper

43 100

58 32.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

1500

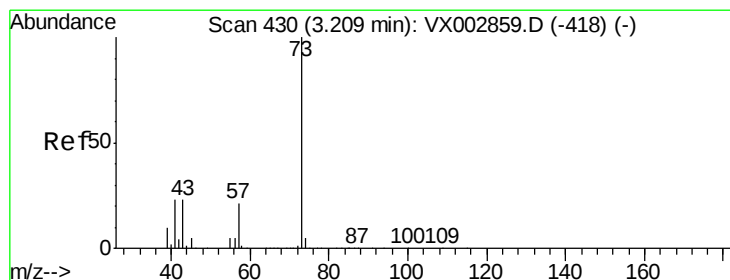
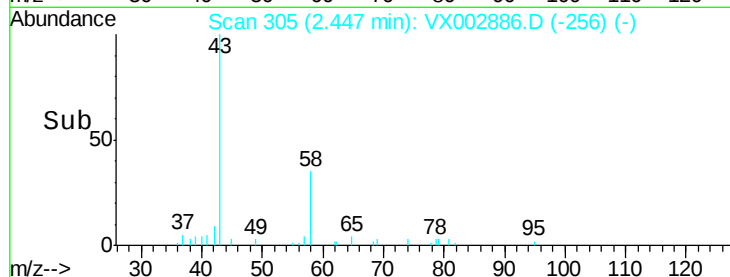
1000

500

0

2.35 2.40 2.45 2.50 2.55

Time-->



#19

Methyl tert-butyl Ether

Concen: 1.392 ug/l

RT: 3.21 min Scan# 430

Delta R.T. 0.00 min

Lab File: VX002886.D

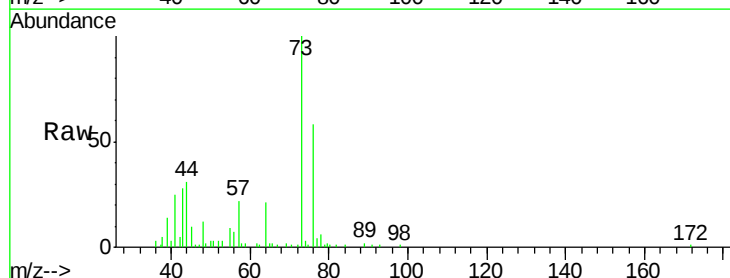
Acq: 26 Jun 2018 03:26

Tgt Ion: 73 Resp: 12338

Ion Ratio Lower Upper

73 100

57 21.6 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

6000

5000

4000

3000

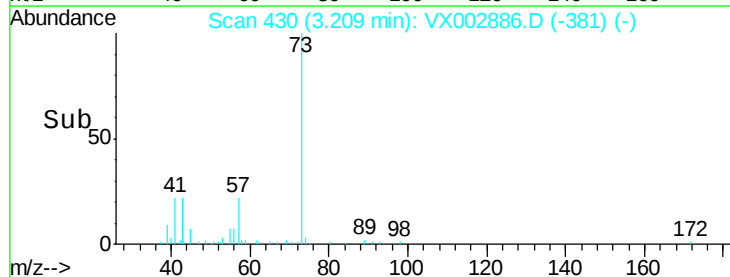
2000

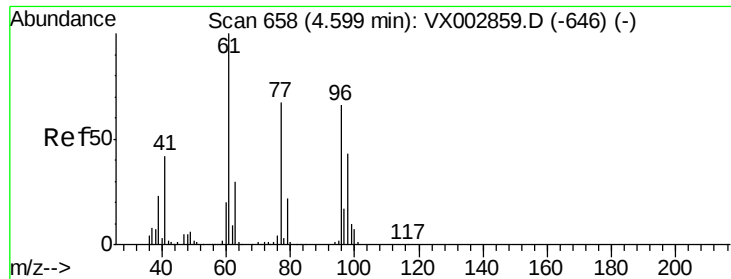
1000

0

3.10 3.15 3.20 3.25 3.30

Time-->



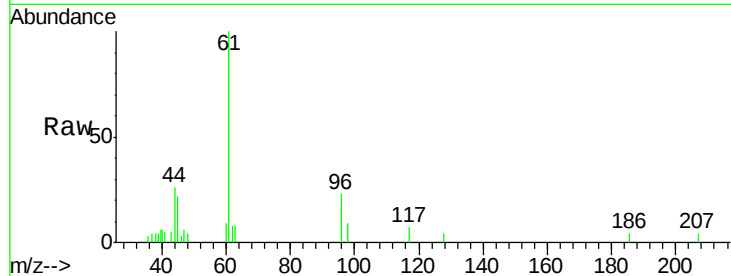


#27

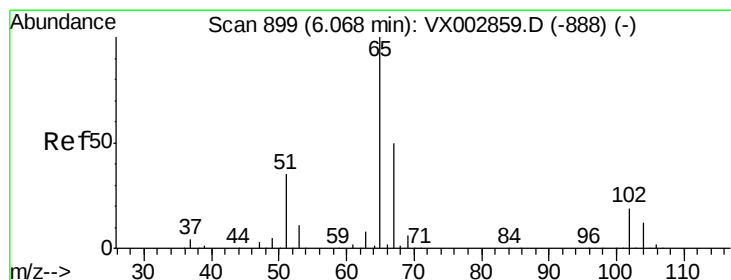
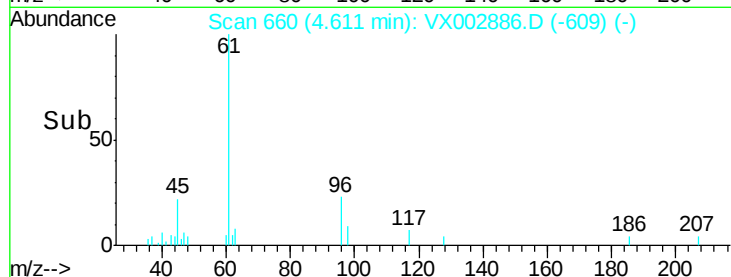
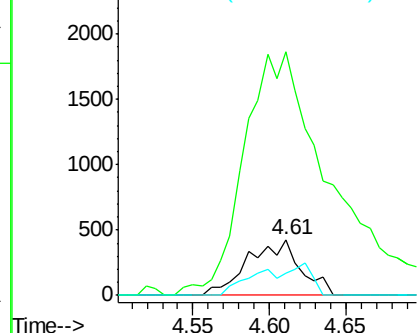
cis-1,2-Dichloroethene
 Concen: 0.338 ug/l
 RT: 4.61 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VX002886.D
 Acq: 26 Jun 2018 03:26

Instrument :
 MSVOA_X
 ClientSampleId :
 W-15

Tgt Ion: 96 Resp: 1016
 Ion Ratio Lower Upper
 96 100
 61 720.9 0.0 330.2#
 98 26.9 0.0 130.2



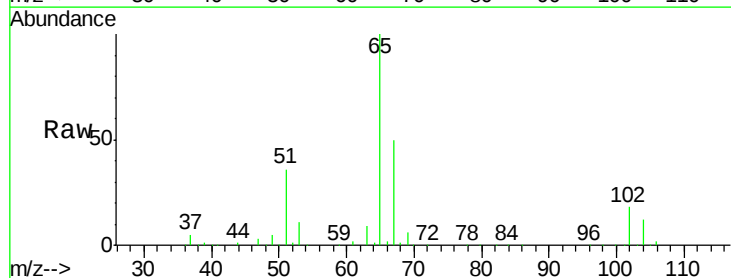
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



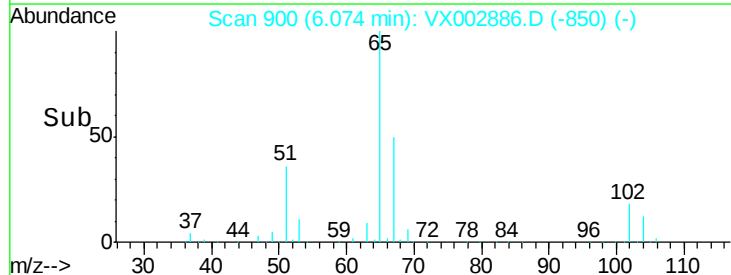
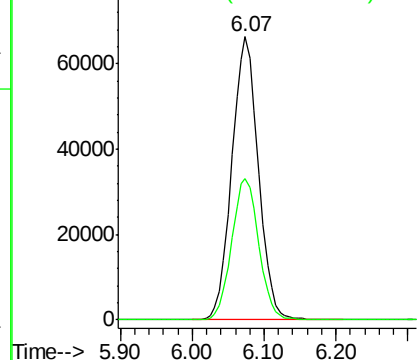
#33

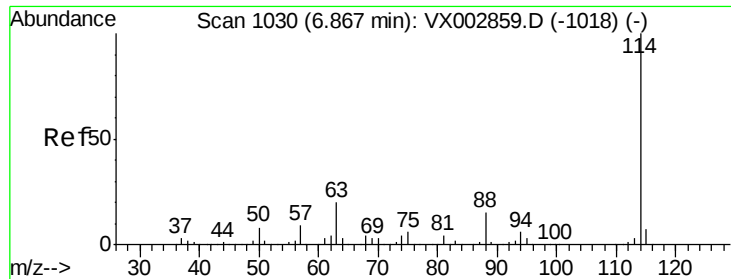
1,2-Dichloroethane-d4
 Concen: 49.217 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002886.D
 Acq: 26 Jun 2018 03:26

Tgt Ion: 65 Resp: 170031
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0

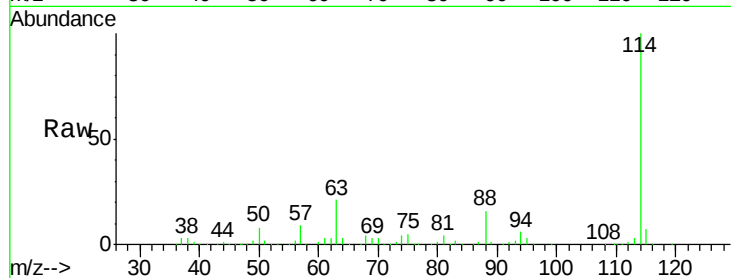




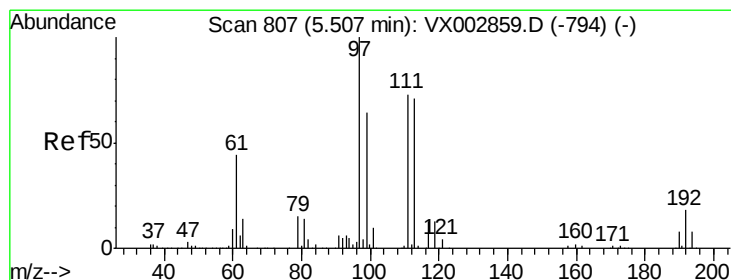
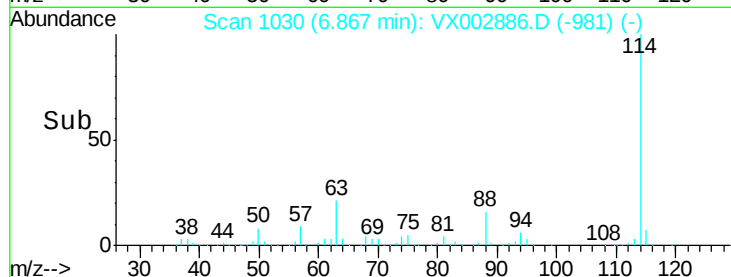
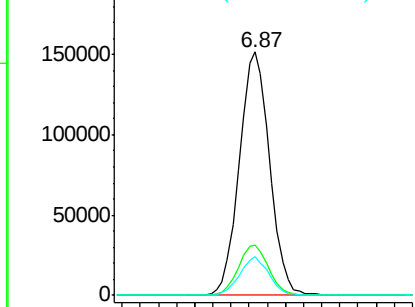
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VX002886.D
Acq: 26 Jun 2018 03:26

Instrument :
MSVOA_X
ClientSampleId :
W-15

Tgt Ion:114 Resp: 350176
Ion Ratio Lower Upper
114 100
63 20.9 0.0 41.4
88 15.9 0.0 30.0

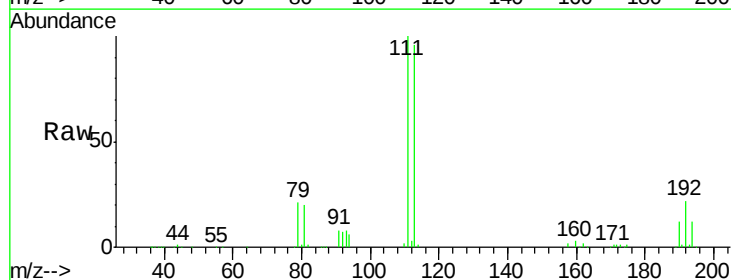


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

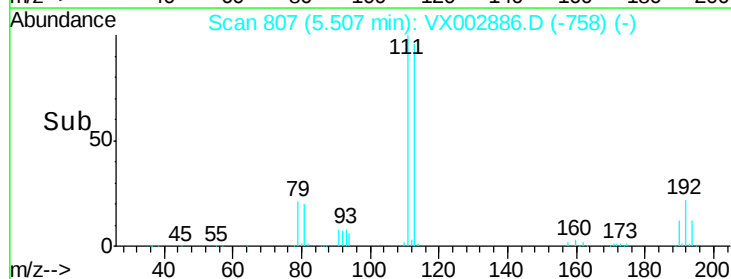
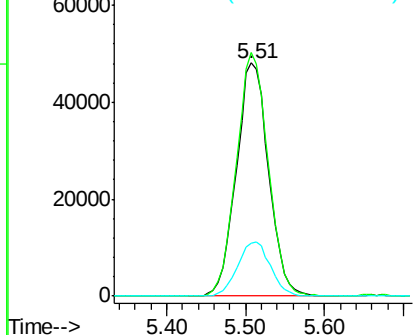


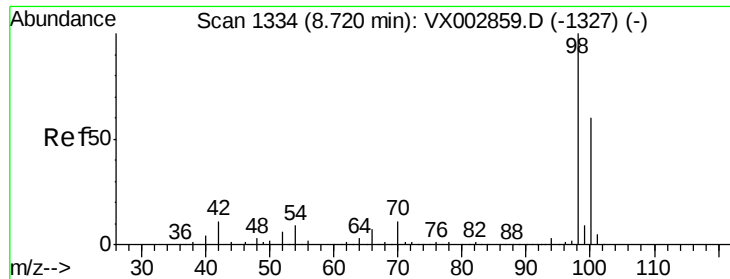
#35
Dibromofluoromethane
Concen: 49.404 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX002886.D
Acq: 26 Jun 2018 03:26

Tgt Ion:113 Resp: 137001
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 23.6 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





#50

Toluene-d8

Concen: 48.627 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002886.D

Acq: 26 Jun 2018 03:26

Instrument :

MSVOA_X

ClientSampleId :

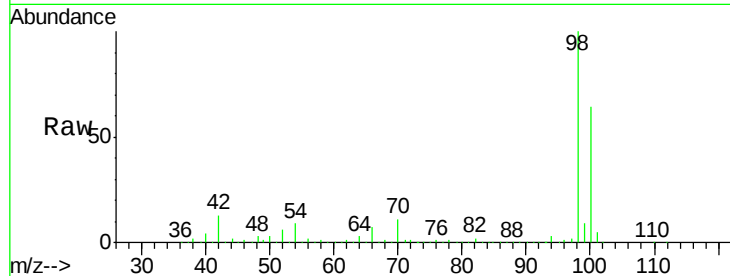
W-15

Tgt Ion: 98 Resp: 492428

Ion Ratio Lower Upper

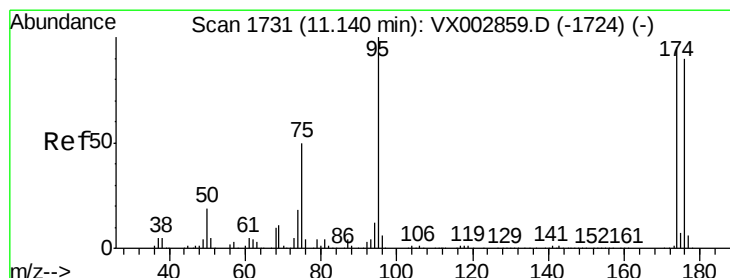
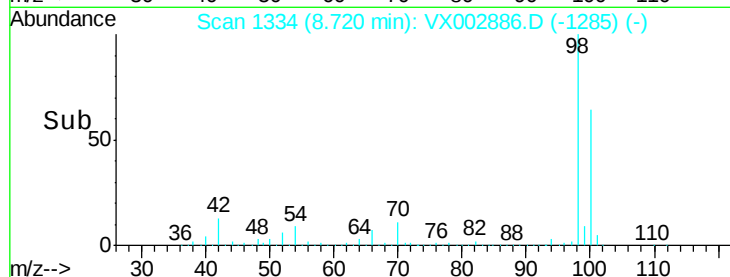
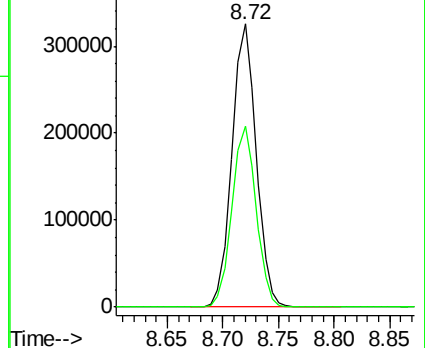
98 100

100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 44.803 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002886.D

Acq: 26 Jun 2018 03:26

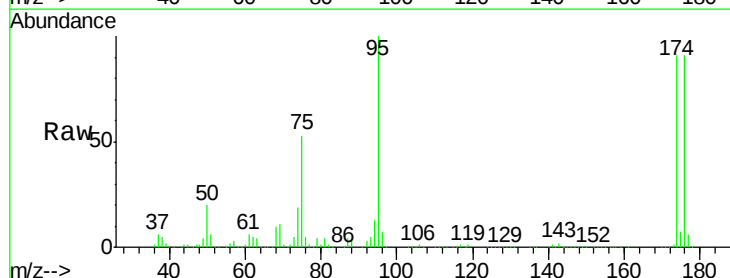
Tgt Ion: 95 Resp: 174973

Ion Ratio Lower Upper

95 100

174 97.0 0.0 187.4

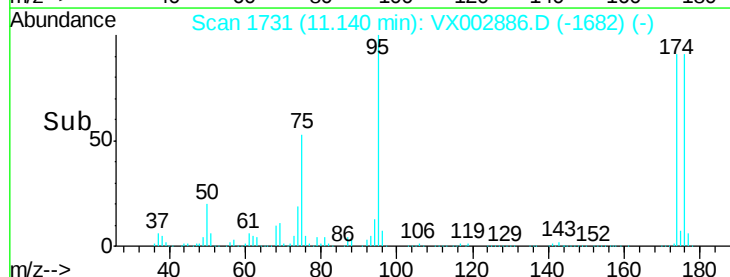
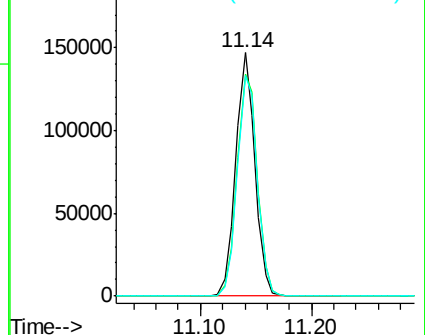
176 94.9 0.0 181.0

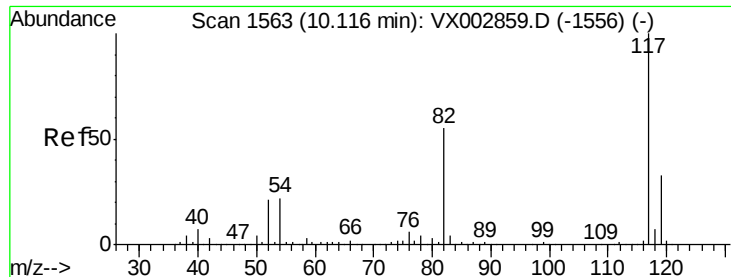


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

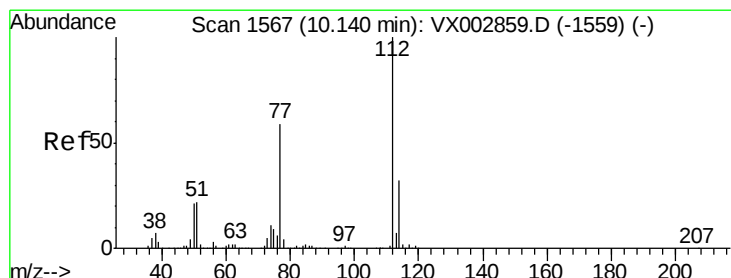
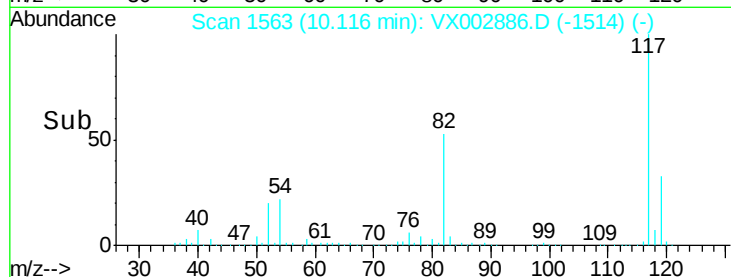
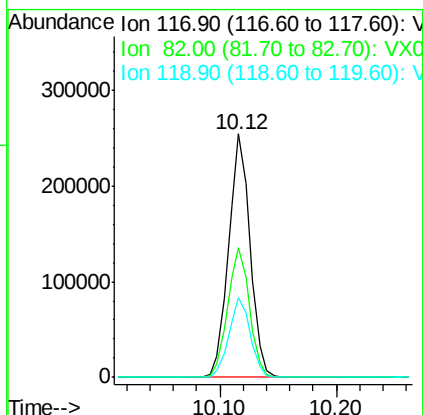
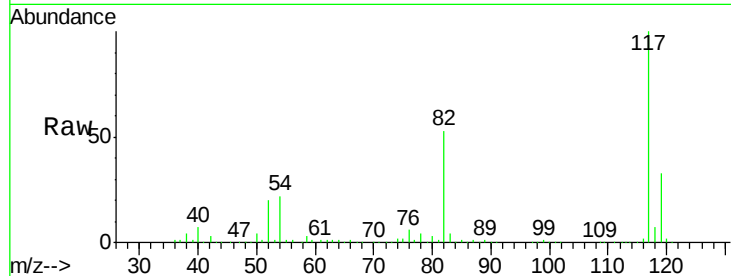




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002886.D
Acq: 26 Jun 2018 03:26

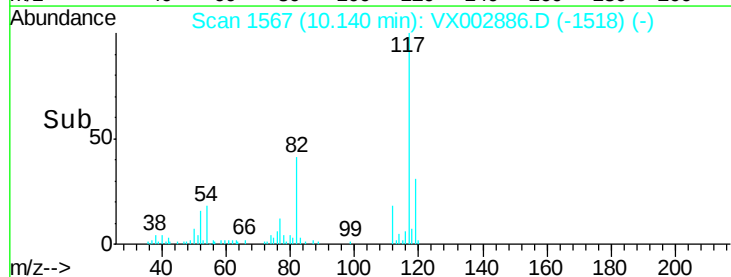
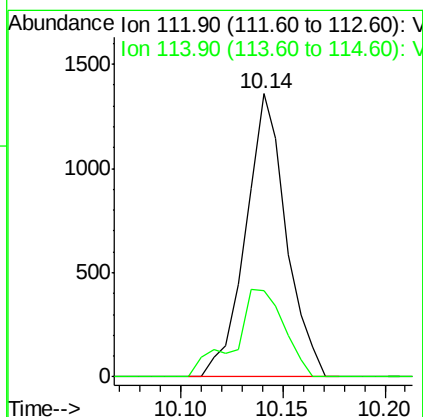
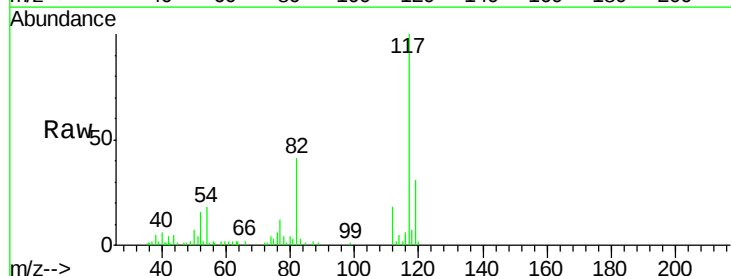
Instrument :
MSVOA_X
ClientSampleId :
W-15

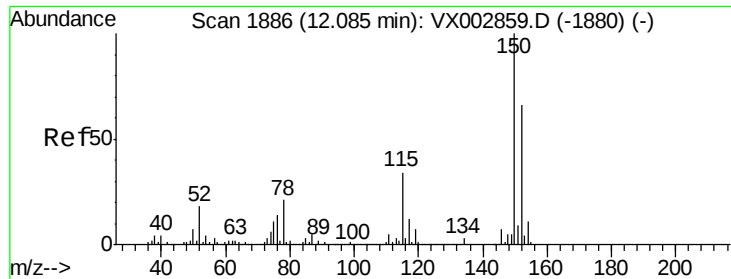
Tgt Ion:117 Resp: 325580
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.4
119 32.9 25.8 38.6



#65
Chlorobenzene
Concen: 0.227 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002886.D
Acq: 26 Jun 2018 03:26

Tgt Ion:112 Resp: 1874
Ion Ratio Lower Upper
112 100
114 30.5 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002886.D

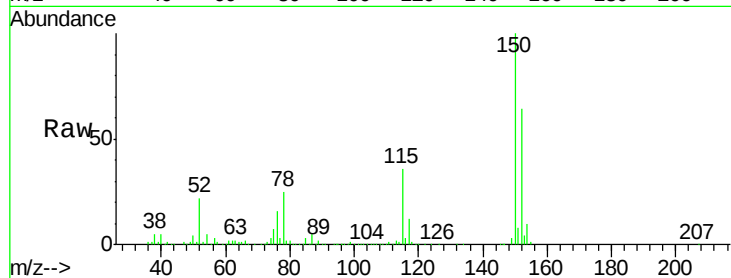
Acq: 26 Jun 2018 03:26

Instrument :

MSVOA_X

ClientSampleId :

W-15



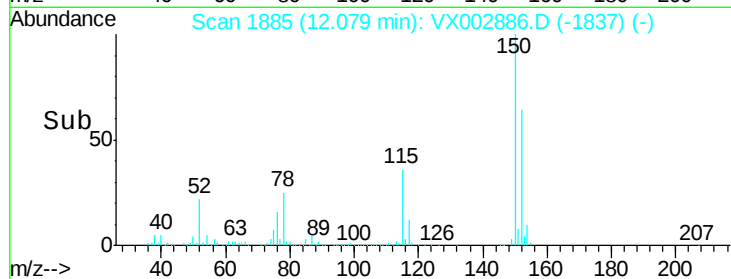
Tgt Ion:152 Resp: 187622

Ion Ratio Lower Upper

152 100

115 54.3 40.1 120.2

150 157.2 0.0 347.2



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

