

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062518\
 Data File : VX002877.D
 Acq On : 25 Jun 2018 23:28
 Operator : JC/MD
 Sample : J3693-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-35

Quant Time: Jun 27 07:57:01 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	241766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	337432	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	180993	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	163448	48.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.82%	
35) Dibromofluoromethane	5.51	113	130293	48.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.52%	
50) Toluene-d8	8.72	98	476159	48.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	11.14	95	167936	44.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.26%	

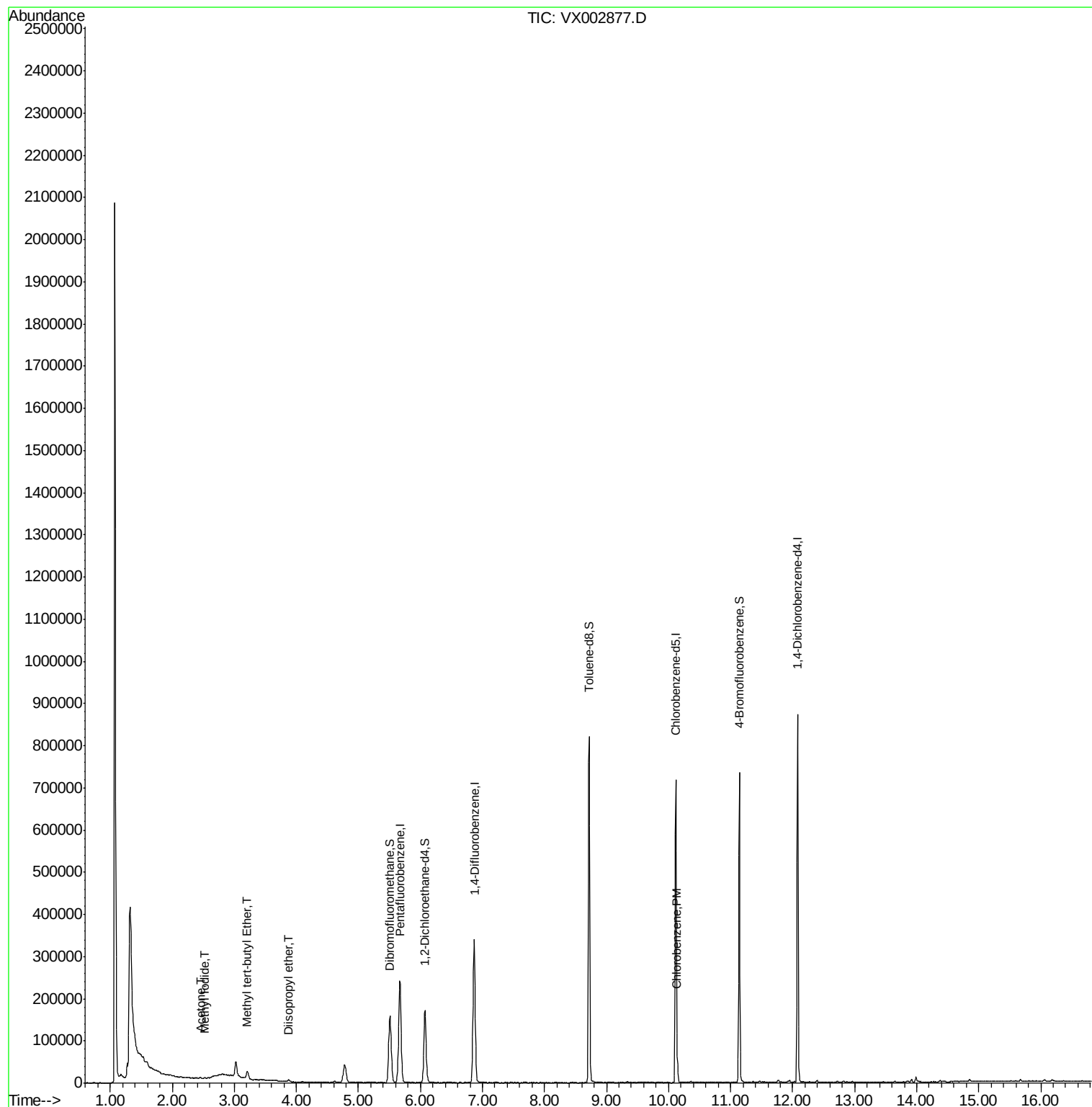
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	2551	7.05	ug/l #	98
16) Acetone	2.45	43	2860	2.07	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	19432	2.27	ug/l	100
22) Diisopropyl ether	3.88	45	4400	0.49	ug/l #	89
65) Chlorobenzene	10.14	112	19394	2.43	ug/l	98

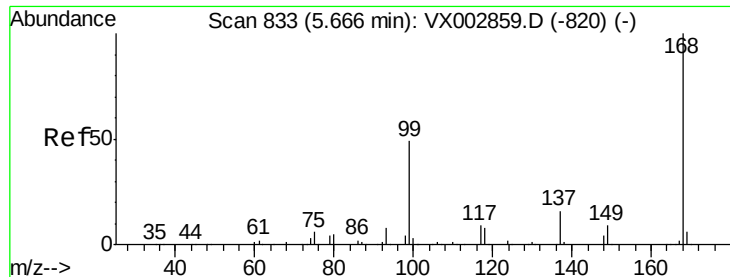
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX002877.D

Acq: 25 Jun 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

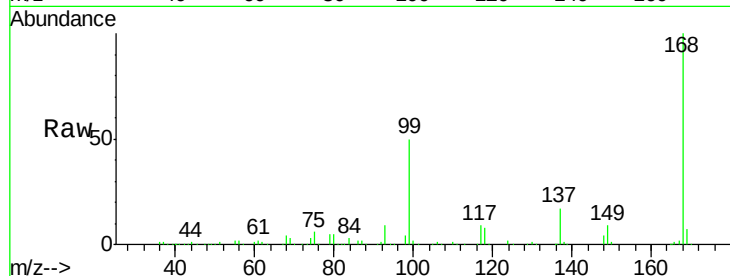
W-35

Tot Ion:168 Resp: 241766

Ion Ratio Lower Upper

168 100

99 49.7 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

80000

60000

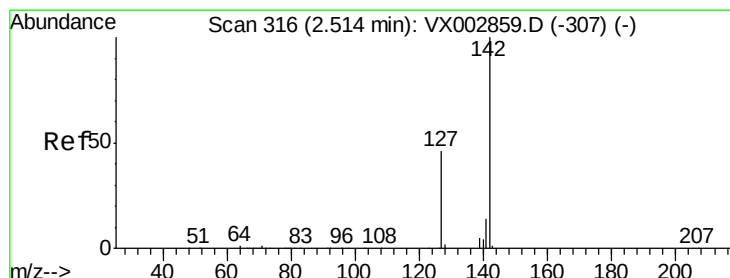
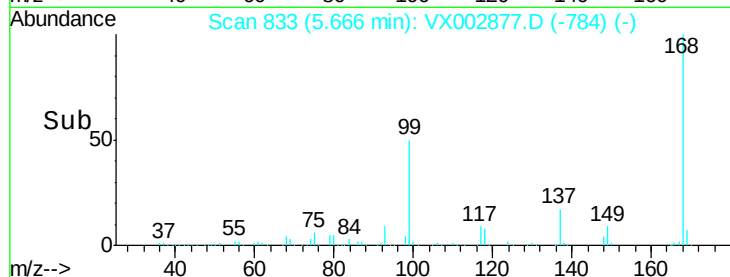
40000

20000

0

Time-->

5.60 5.70 5.80



#10

Methyl Iodide

Concen: 7.05 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002877.D

Acq: 25 Jun 2018 23:28

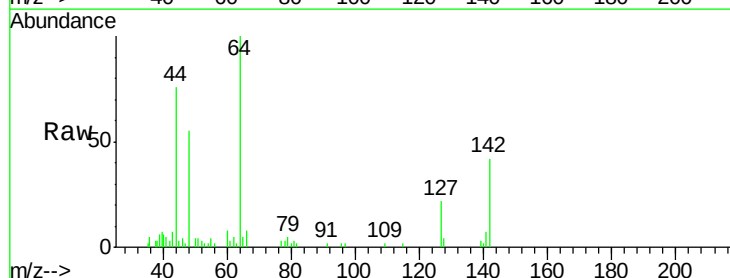
Tgt Ion:142 Resp: 2551

Ion Ratio Lower Upper

142 100

127 46.3 36.6 55.0

141 17.0 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

2.51

1500

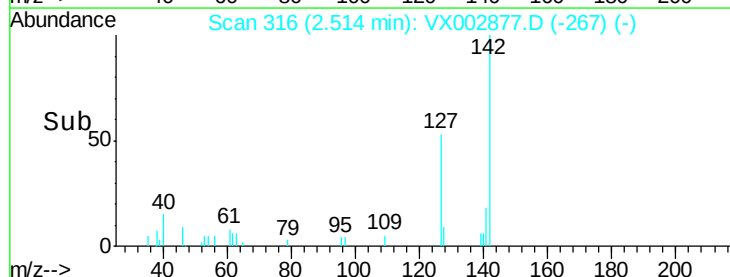
1000

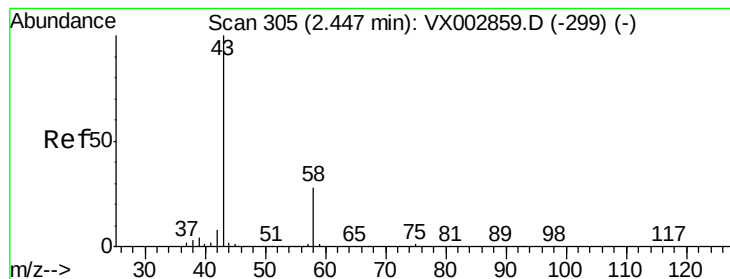
500

0

Time-->

2.45 2.50 2.55 2.60





#16

Acetone

Concen: 2.07 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX002877.D

Acq: 25 Jun 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

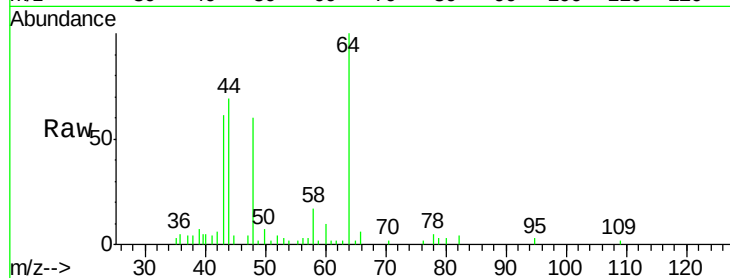
W-35

Tot Ion: 43 Resp: 2860

Ion Ratio Lower Upper

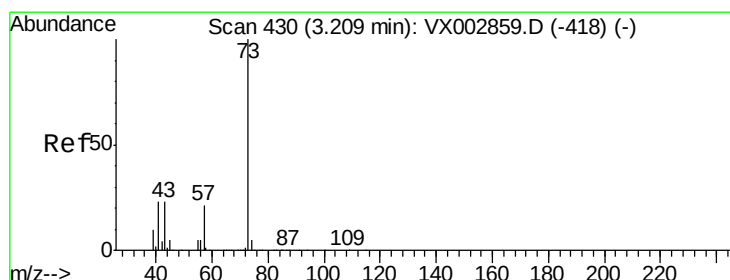
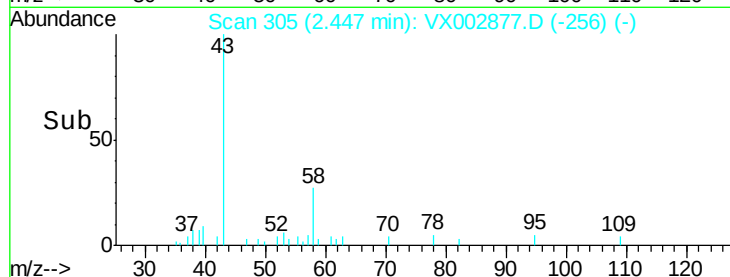
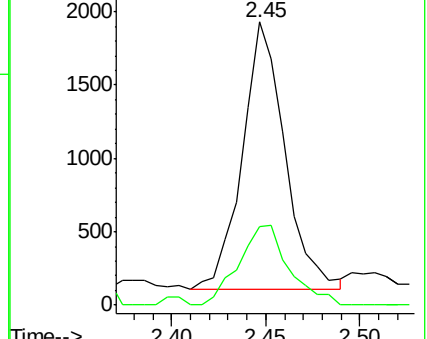
43 100

58 29.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#19

Methyl tert-butyl Ether

Concen: 2.27 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.01 min

Lab File: VX002877.D

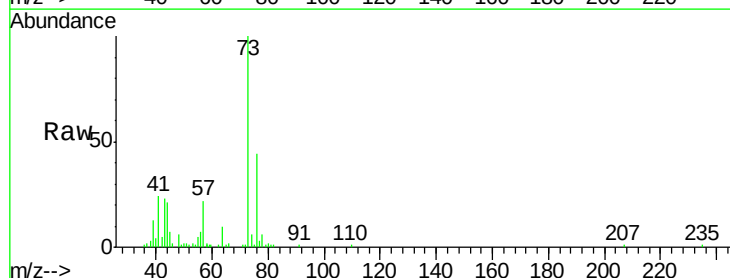
Acq: 25 Jun 2018 23:28

Tgt Ion: 73 Resp: 19432

Ion Ratio Lower Upper

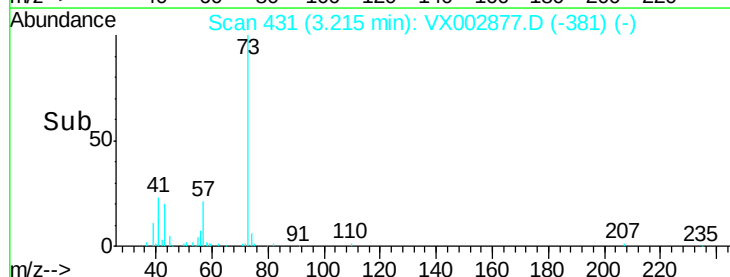
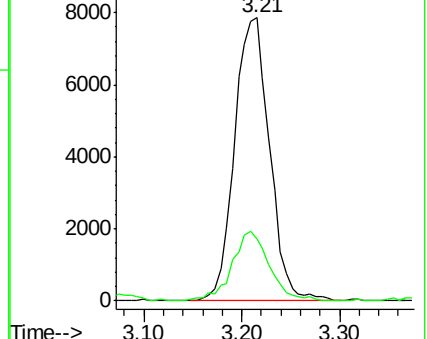
73 100

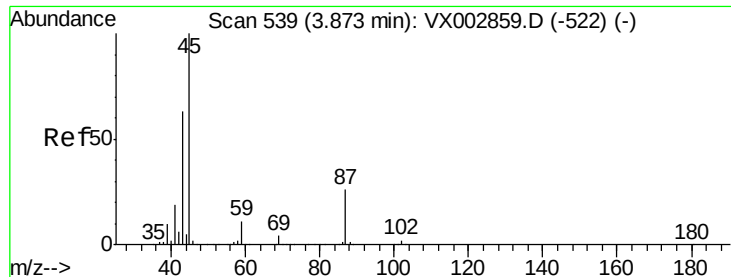
57 21.9 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#22

Diisopropyl ether

Concen: 0.49 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX002877.D

Acq: 25 Jun 2018 23:28

Instrument :

MSVOA_X

ClientSampled :

W-35

Tot Ion: 45 Resp: 4400

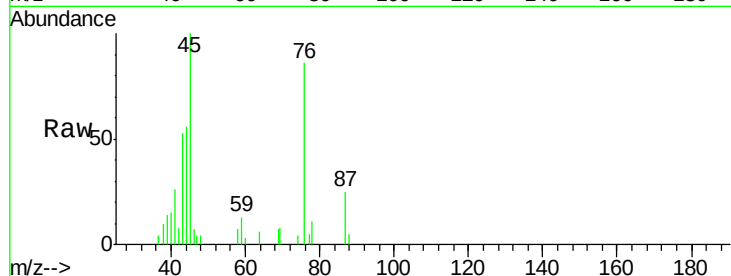
Ion Ratio Lower Upper

45 100

43 46.7 46.8 70.2#

87 24.5 20.2 30.4

59 13.3 8.7 13.1#

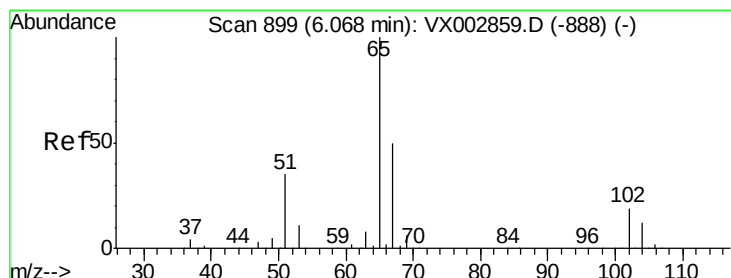
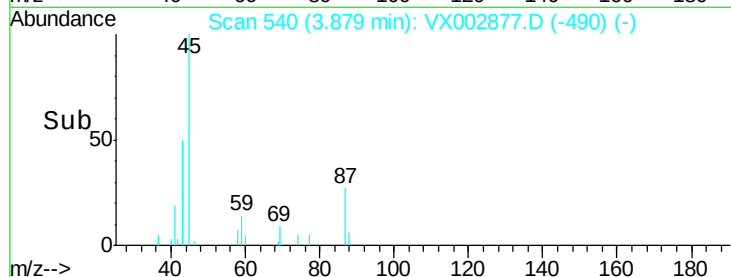
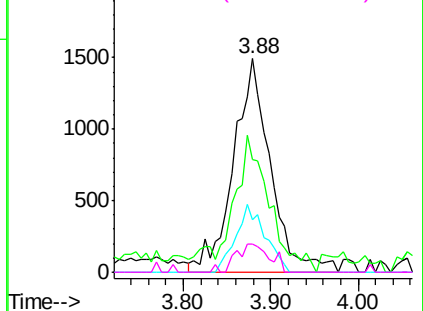


Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 48.91 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002877.D

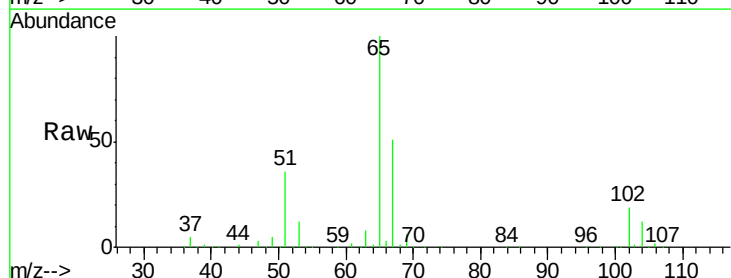
Acq: 25 Jun 2018 23:28

Tgt Ion: 65 Resp: 163448

Ion Ratio Lower Upper

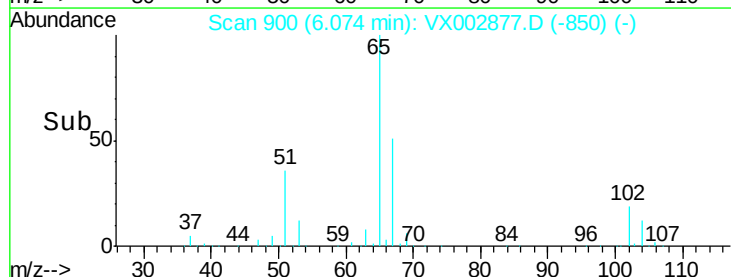
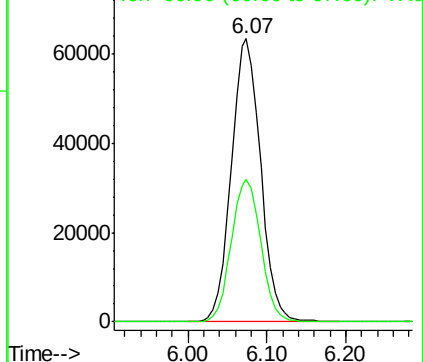
65 100

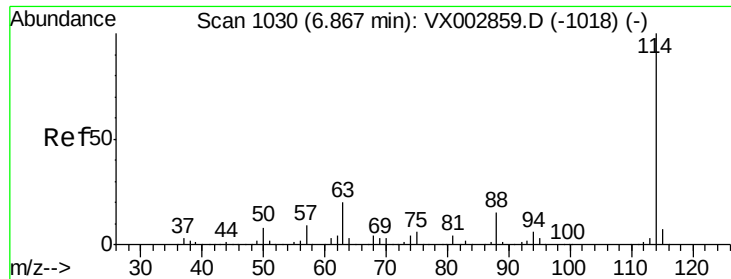
67 51.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

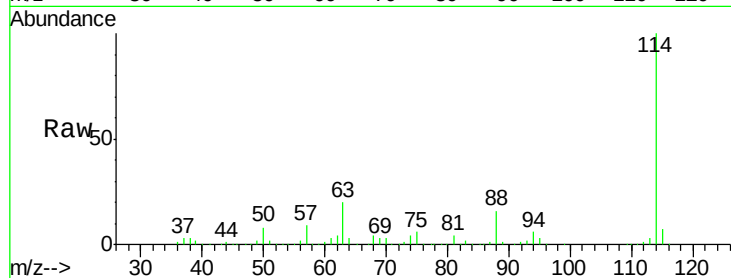




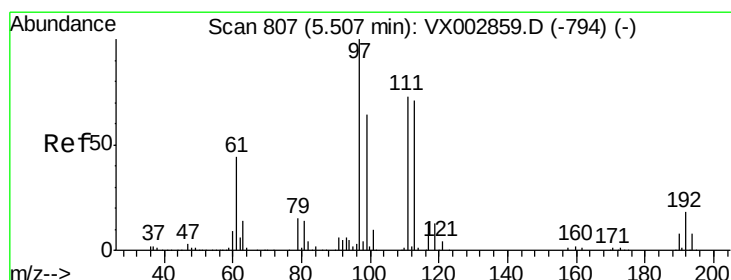
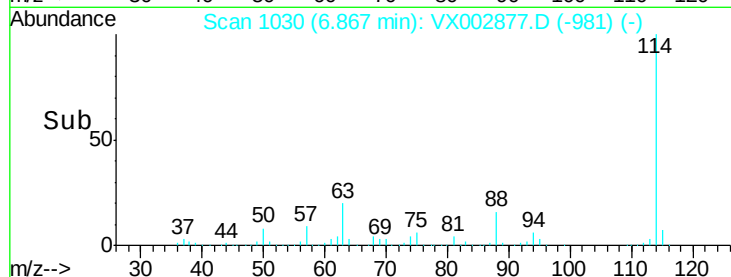
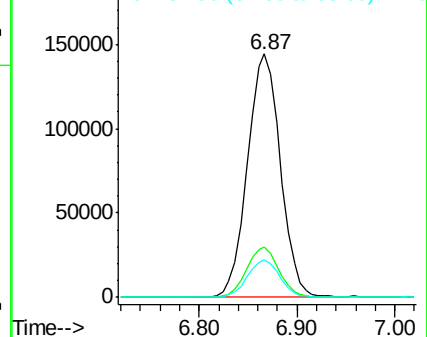
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VX002877.D
Acq: 25 Jun 2018 23:28

Instrument :
MSVOA_X
ClientSampleId :
W-35

Tot Ion:114 Resp: 337432
Ion Ratio Lower Upper
114 100
63 20.5 0.0 41.4
88 15.5 0.0 30.0

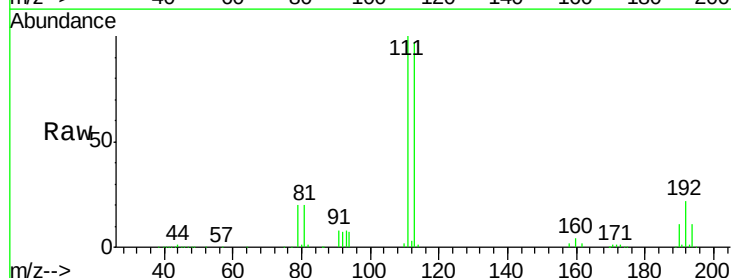


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

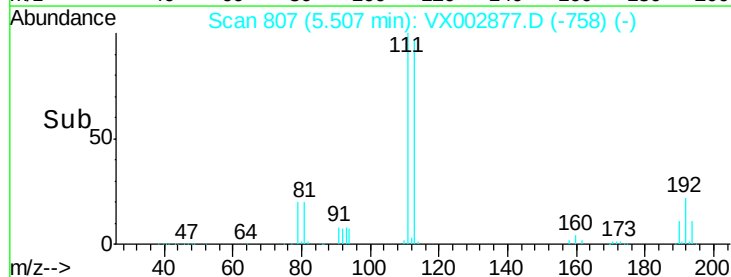
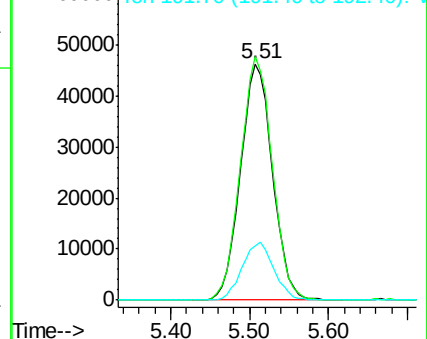


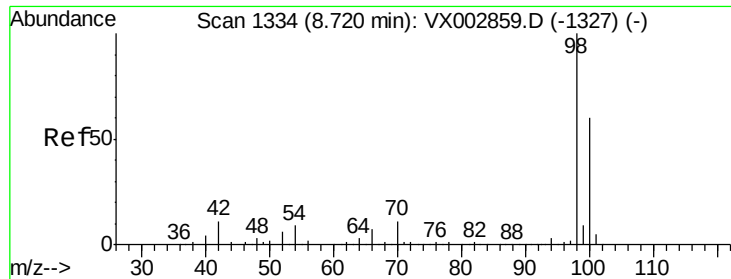
#35
Dibromofluoromethane
Concen: 48.76 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX002877.D
Acq: 25 Jun 2018 23:28

Tgt Ion:113 Resp: 130293
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 24.3 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

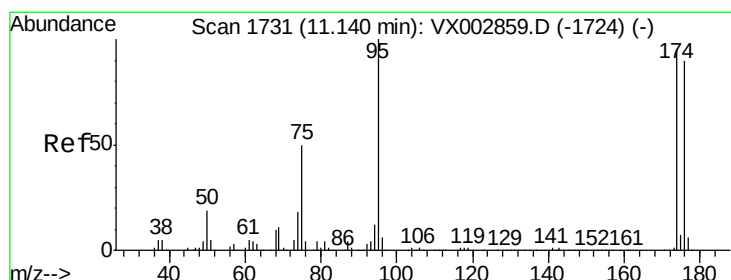
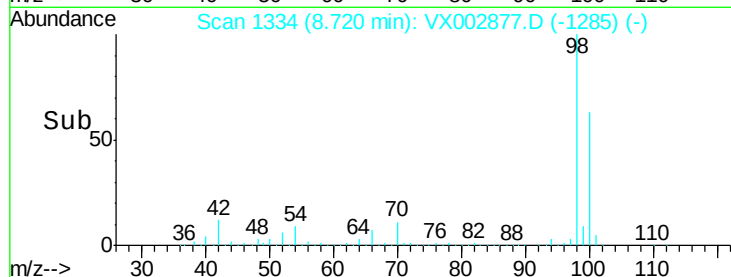
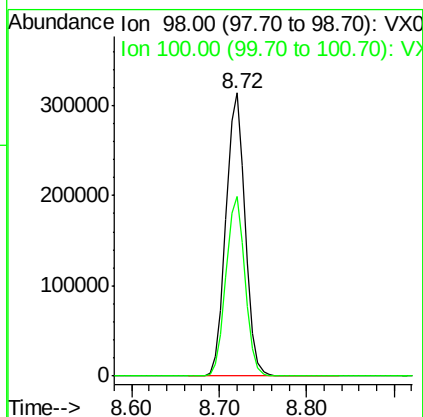
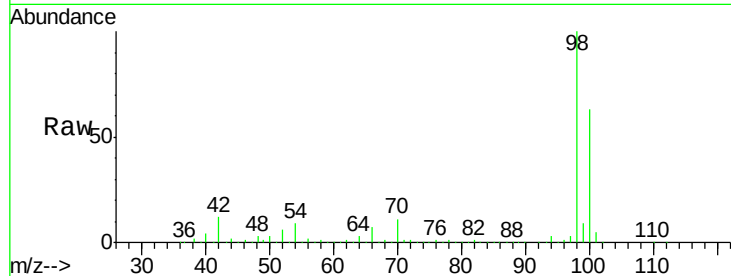




#50
Toluene-d8
Concen: 48.80 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002877.D
Acq: 25 Jun 2018 23:28

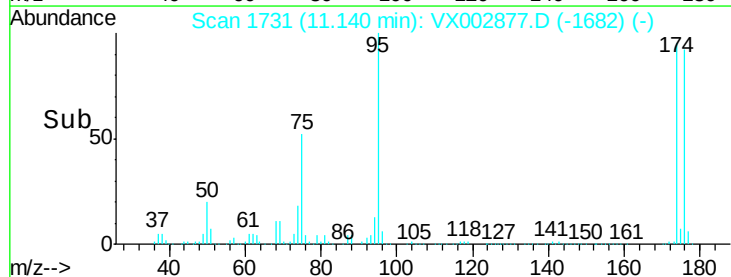
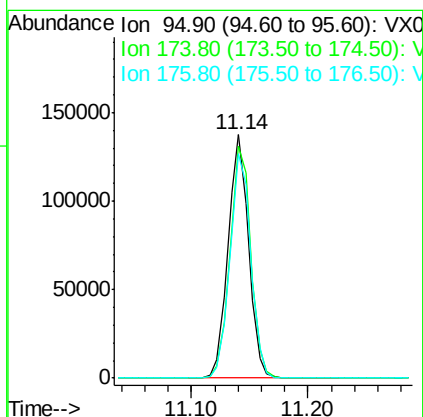
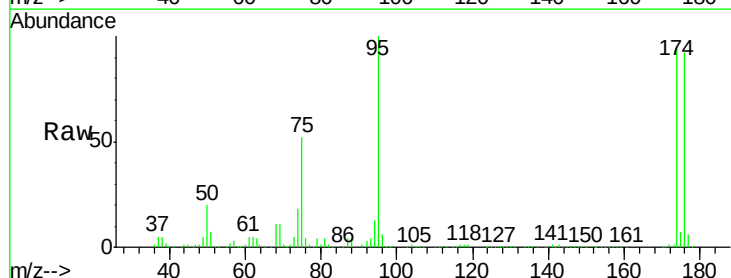
Instrument :
MSVOA_X
ClientSampleId :
W-35

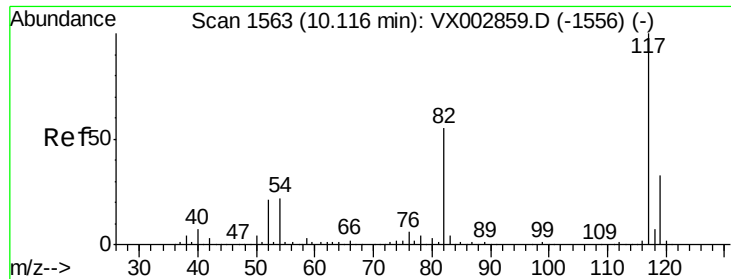
Tot Ion: 98 Resp: 476159
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.63 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002877.D
Acq: 25 Jun 2018 23:28

Tgt Ion: 95 Resp: 167936
Ion Ratio Lower Upper
95 100
174 97.5 0.0 187.4
176 94.1 0.0 181.0

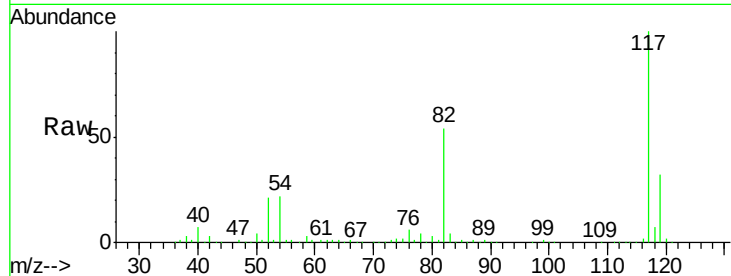




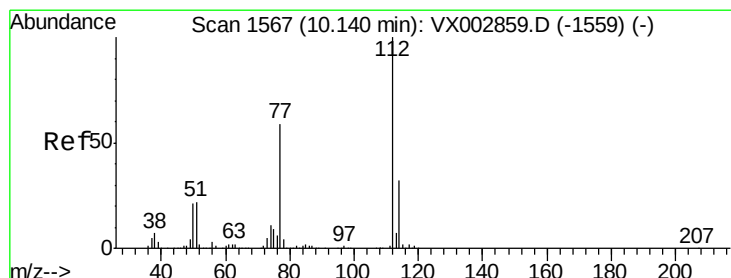
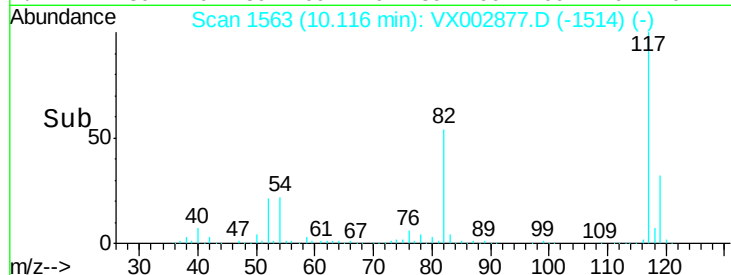
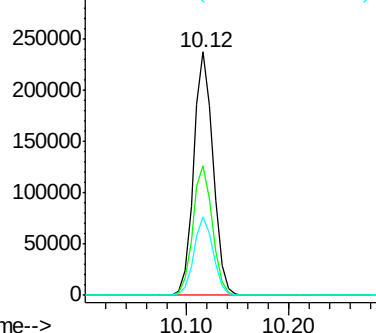
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002877.D
Acq: 25 Jun 2018 23:28

Instrument :
MSVOA_X
ClientSampled :
W-35

Tot Ion:117 Resp: 314021
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.4
119 32.5 25.8 38.6

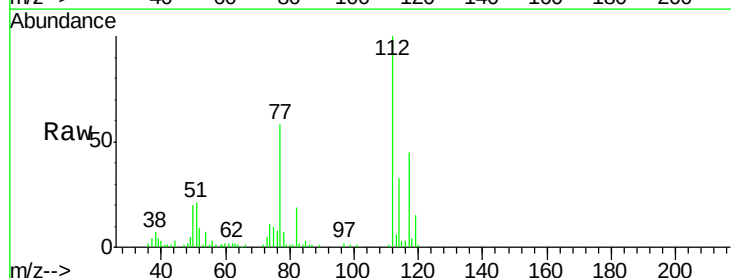


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

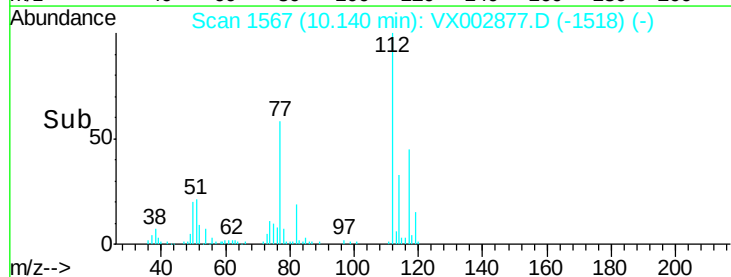
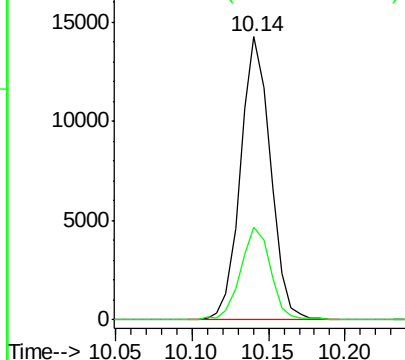


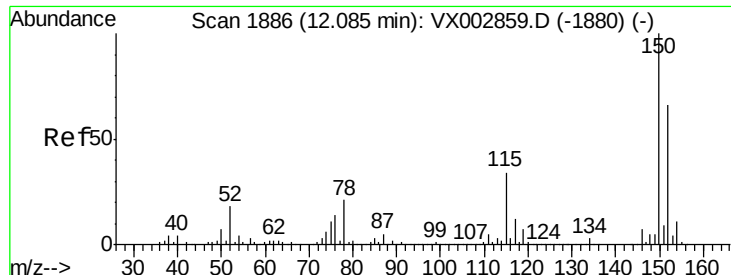
#65
Chlorobenzene
Concen: 2.43 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002877.D
Acq: 25 Jun 2018 23:28

Tgt Ion:112 Resp: 19394
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002877.D

Acq: 25 Jun 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

W-35

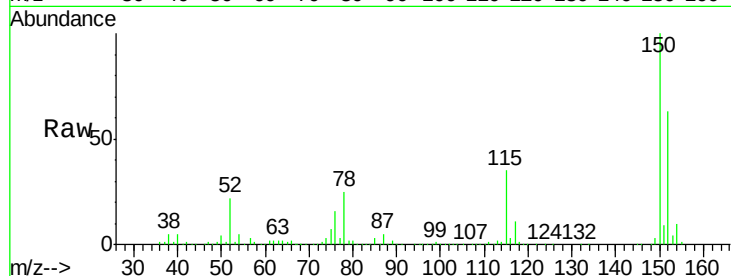
Tot Ion:152 Resp: 180993

Ion Ratio Lower Upper

152 100

115 54.1 40.1 120.2

150 155.9 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

