

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004592.D
 Acq On : 15 Sep 2018 18:40
 Operator : JC/MD
 Sample : J4922-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-6

Quant Time: Sep 17 08:53:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

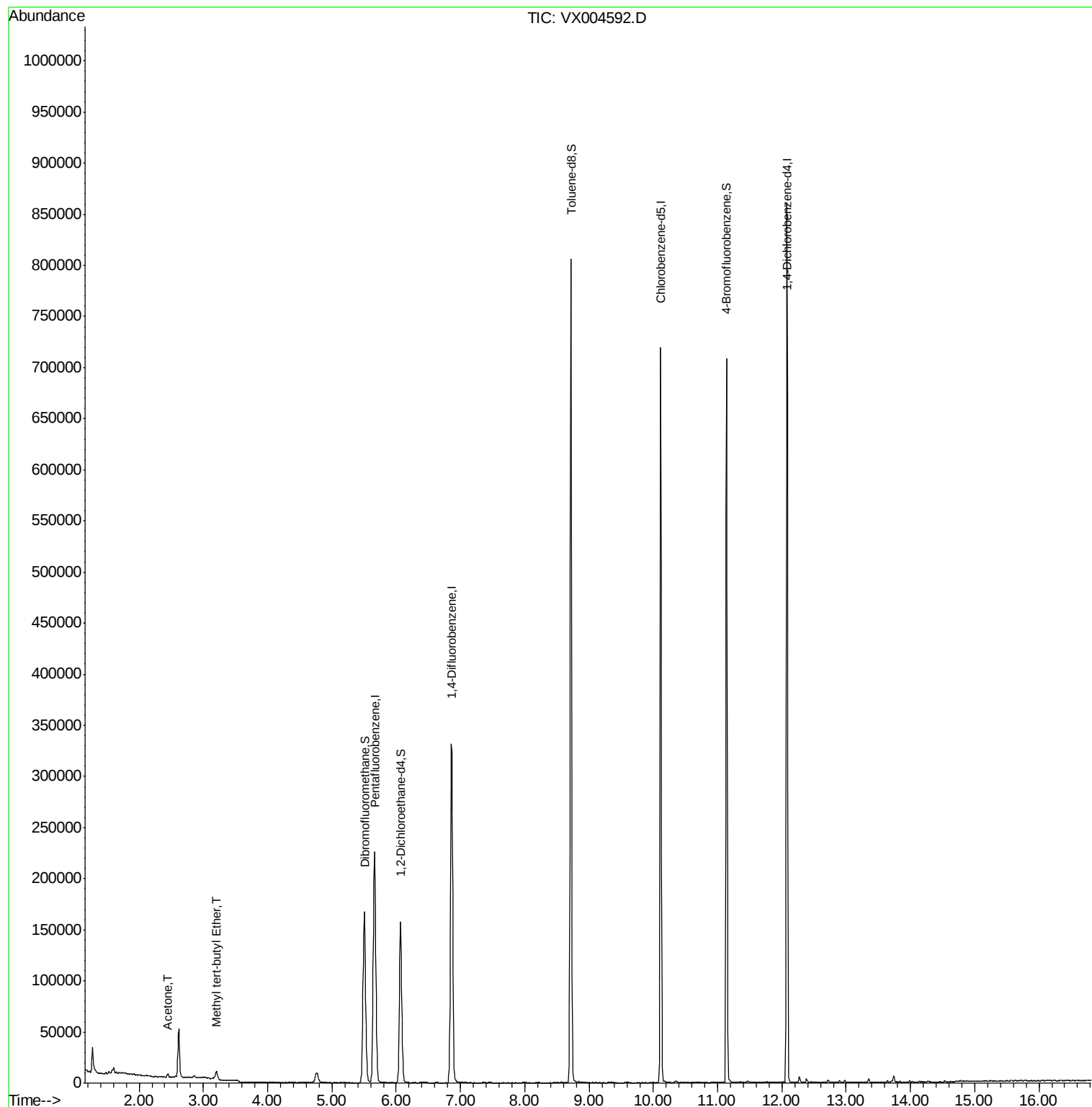
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347555	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	330261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182498	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	146339	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
35) Dibromofluoromethane	5.50	113	141956	44.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.26%	
50) Toluene-d8	8.72	98	491007	46.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.08%	
62) 4-Bromofluorobenzene	11.14	95	172969	45.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.86%	
Target Compounds						
16) Acetone	2.45	43	3477	2.34	ug/l	# 78
19) Methyl tert-butyl Ether	3.21	73	7656	0.88	ug/l	98

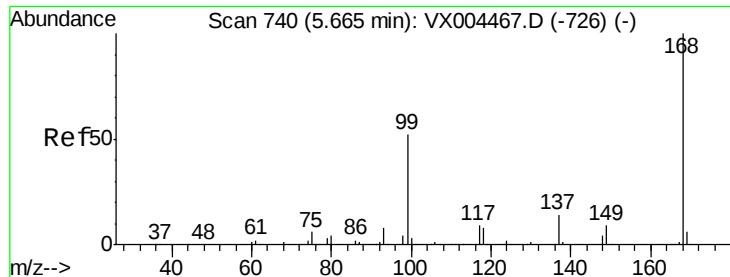
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004592.D

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Instrument :

MSVOA_X

ClientSampleId :

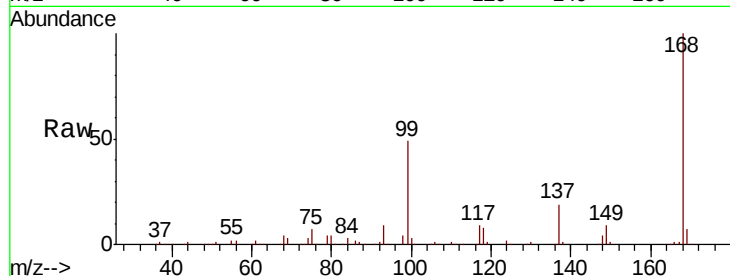
PZ-6

Tot Ion:168 Resp: 236184

Ion Ratio Lower Upper

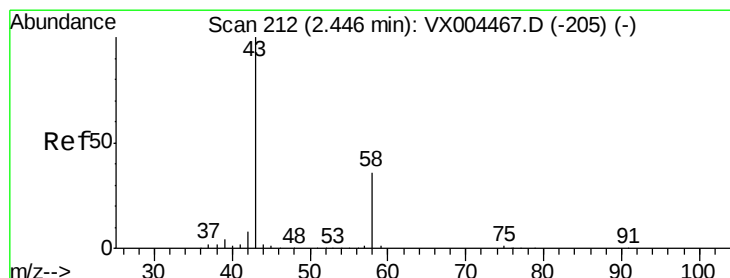
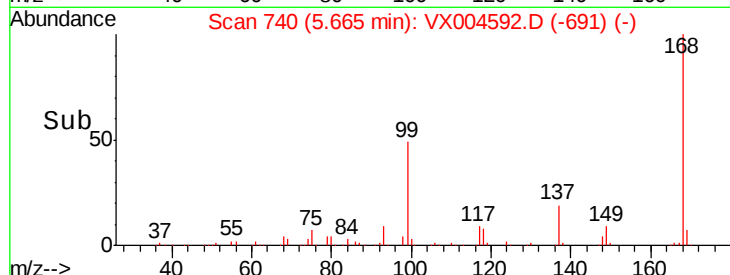
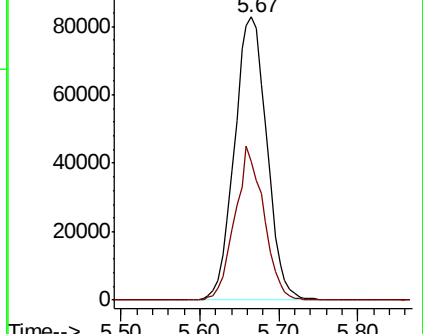
168 100

99 49.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 2.34 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004592.D

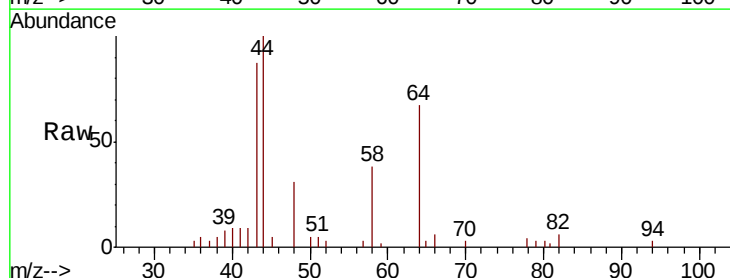
Acq: 15 Sep 2018 18:40

Tgt Ion: 43 Resp: 3477

Ion Ratio Lower Upper

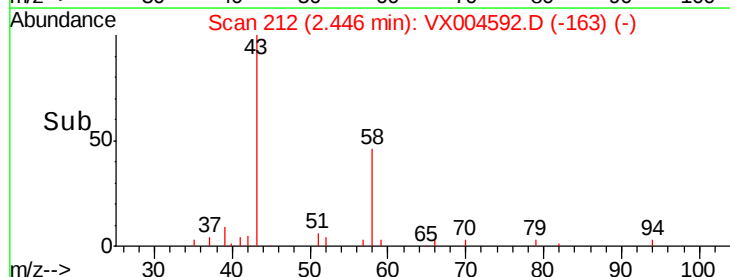
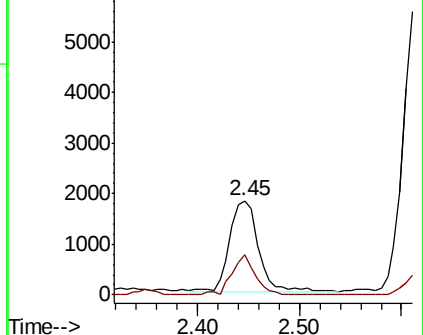
43 100

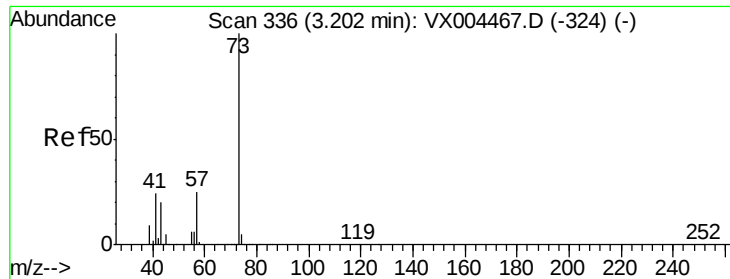
58 45.0 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



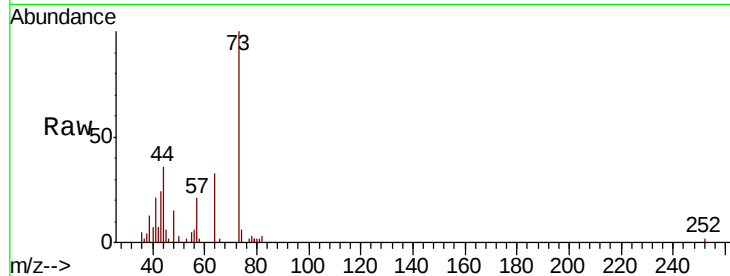


#19

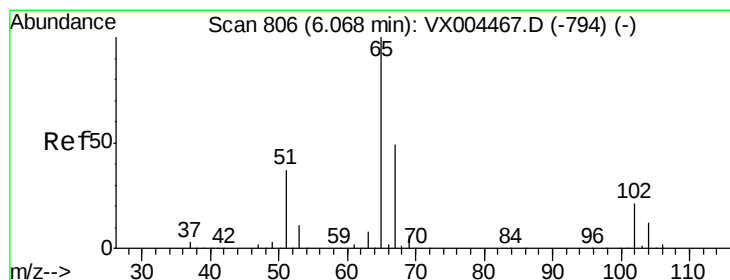
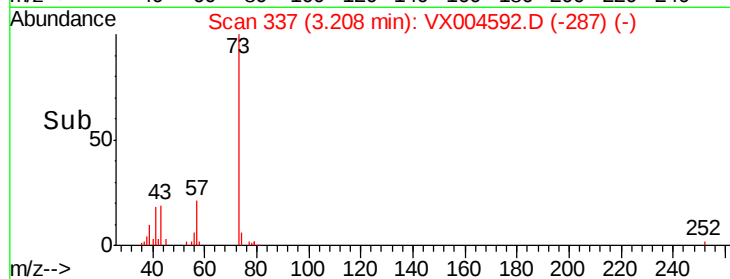
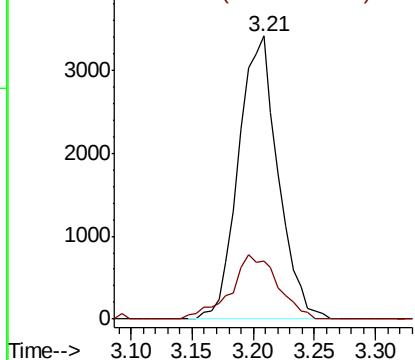
Methvl tert-butvl Ether
 Concen: 0.88 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX004592.D
 Acq: 15 Sep 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-6

Tot Ion: 73 Resp: 7656
 Ion Ratio Lower Upper
 73 100
 57 20.6 17.1 25.7



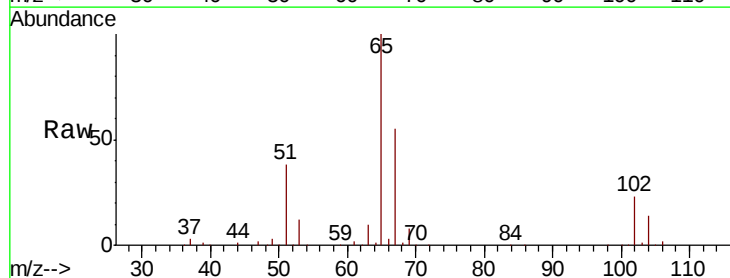
Abundance Ion 73.00 (72.70 to 73.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



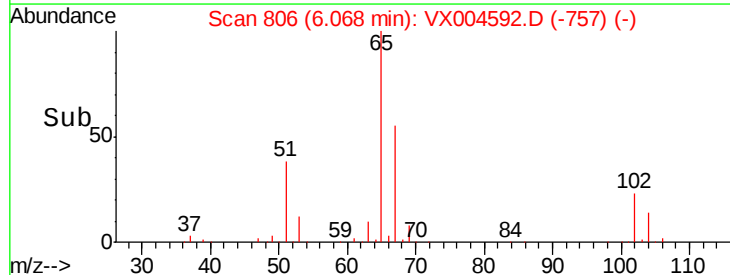
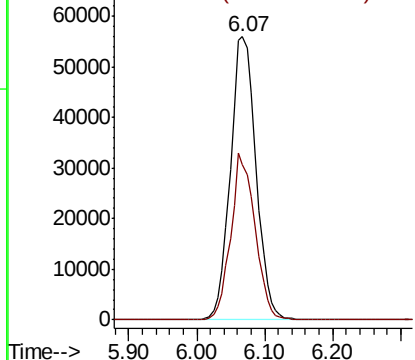
#33

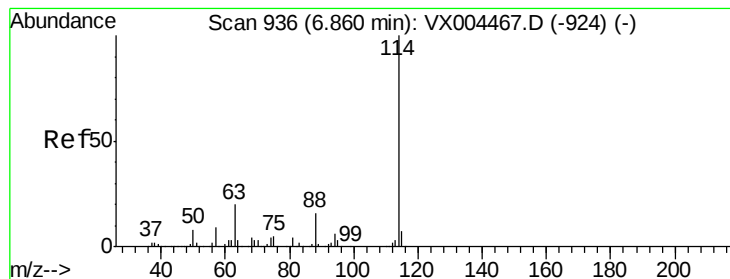
1,2-Dichloroethane-d4
 Concen: 48.05 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004592.D
 Acq: 15 Sep 2018 18:40

Tgt Ion: 65 Resp: 146339
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 106.8



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004592.D

Acq: 15 Sep 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

PZ-6

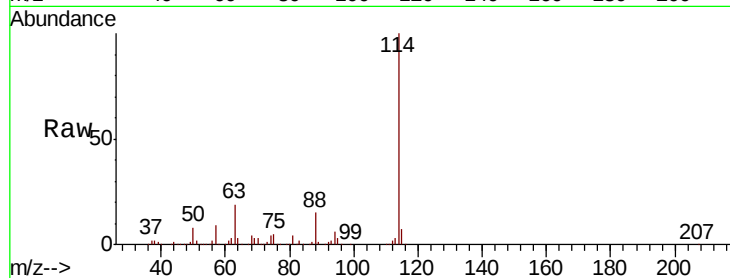
Tot Ion:114 Resp: 347555

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.0

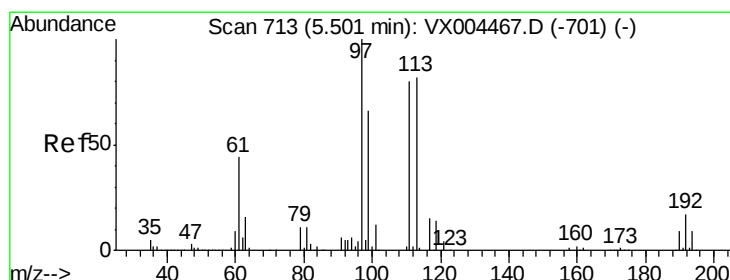
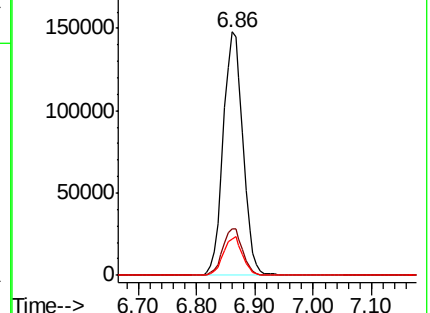
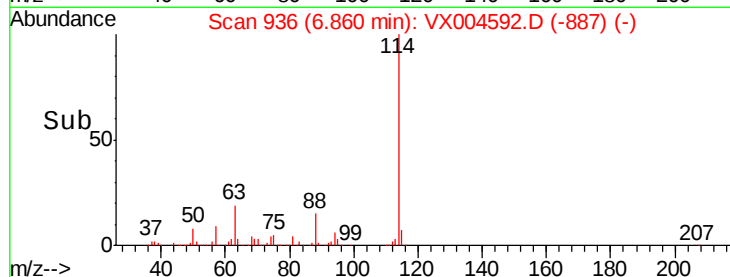
88 15.1 0.0 30.4



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: 44.63 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004592.D

Acq: 15 Sep 2018 18:40

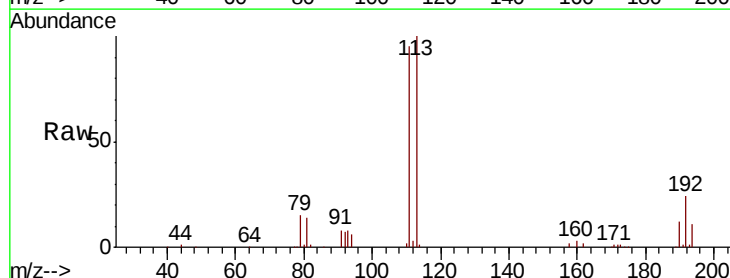
Tgt Ion:113 Resp: 141956

Ion Ratio Lower Upper

113 100

111 103.9 82.4 123.6

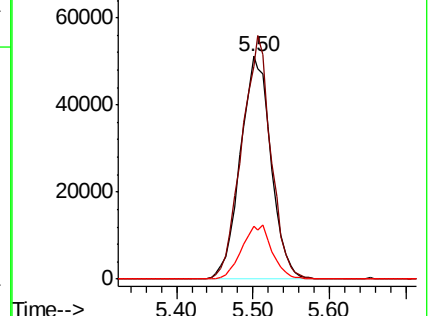
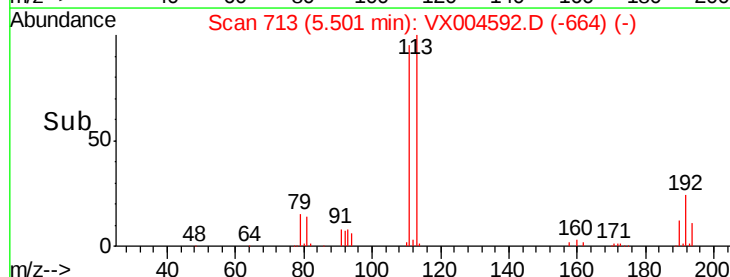
192 24.1 19.4 29.2

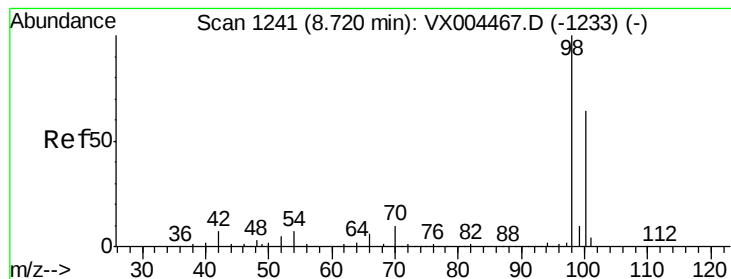


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 46.04 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004592.D

Acq: 15 Sep 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

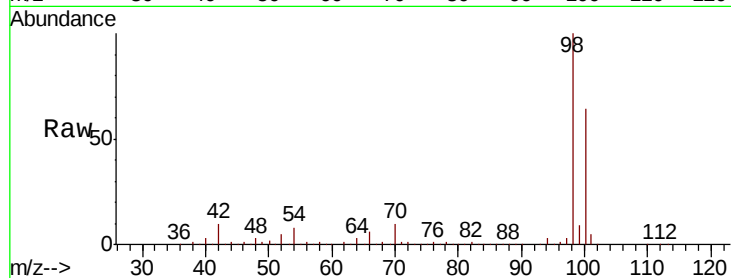
PZ-6

Tot Ion: 98 Resp: 491007

Ion Ratio Lower Upper

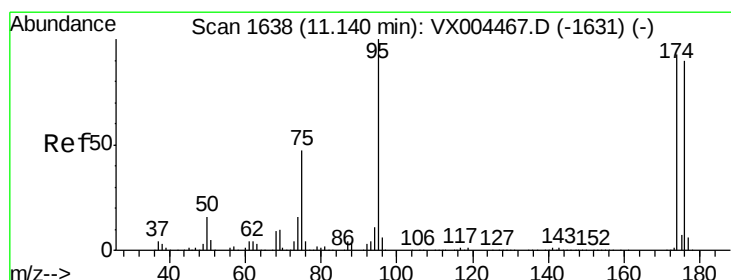
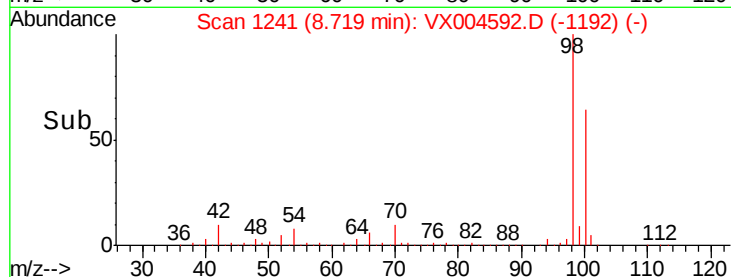
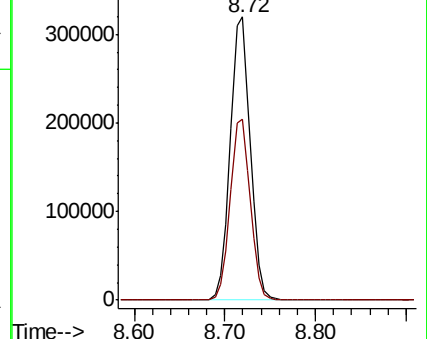
98 100

100 64.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.43 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004592.D

Acq: 15 Sep 2018 18:40

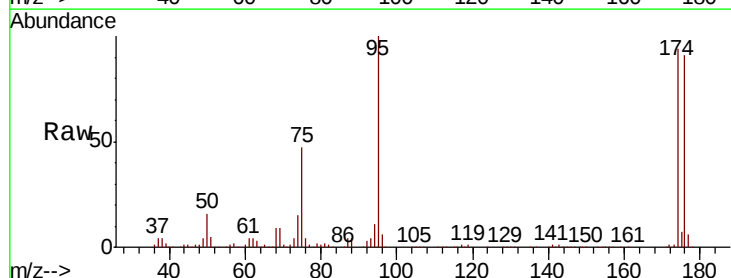
Tgt Ion: 95 Resp: 172969

Ion Ratio Lower Upper

95 100

174 94.2 0.0 185.2

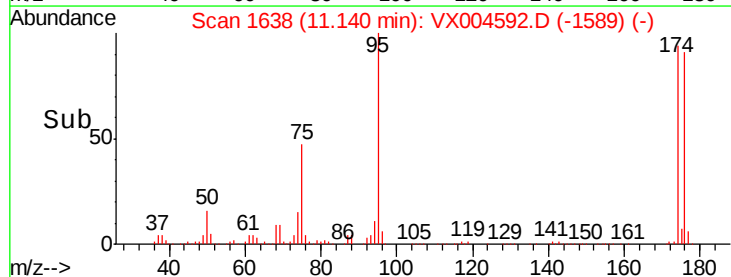
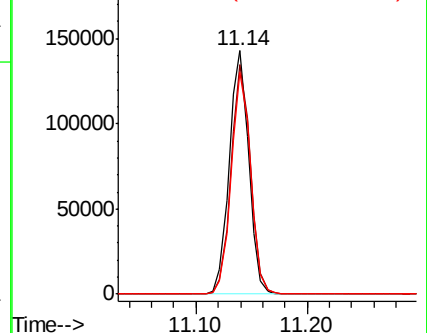
176 90.7 0.0 178.6

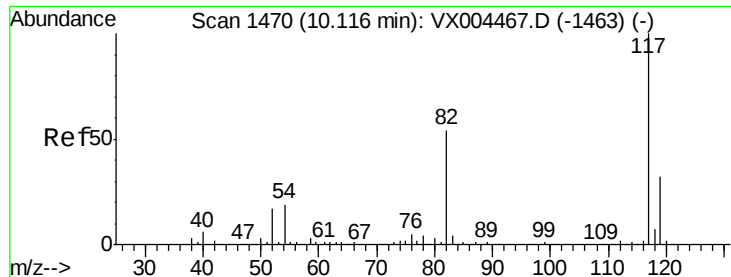


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

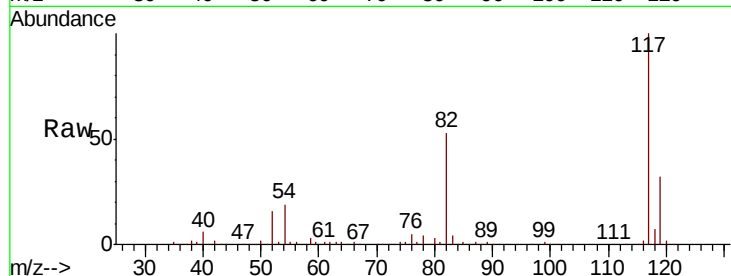




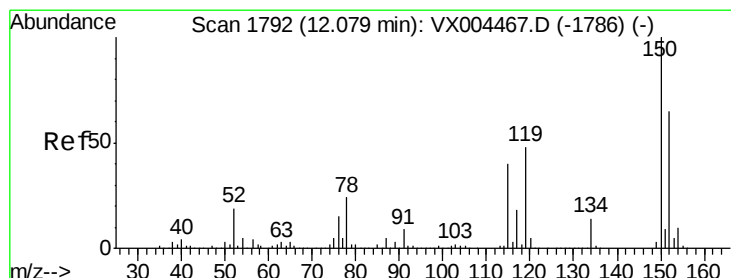
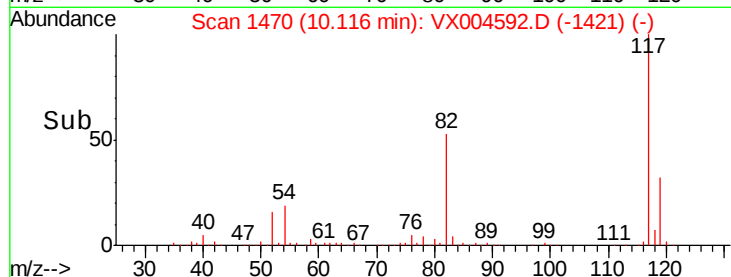
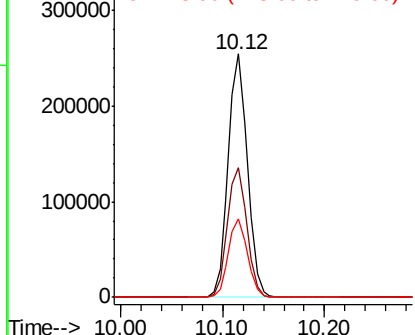
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004592.D
Acq: 15 Sep 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
PZ-6

Tot Ion:117 Resp: 330261
Ion Ratio Lower Upper
117 100
82 53.3 47.8 71.6
119 32.3 29.3 43.9

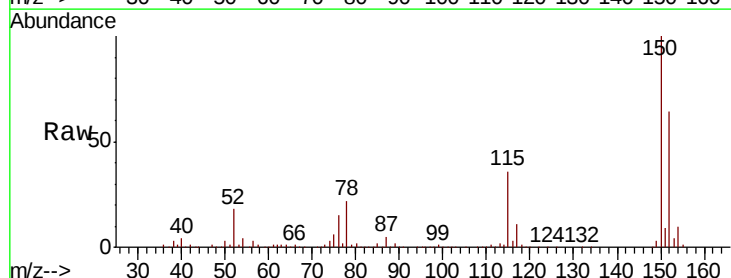


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004592.D
Acq: 15 Sep 2018 18:40

Tgt Ion:152 Resp: 182498
Ion Ratio Lower Upper
152 100
115 55.2 39.0 117.0
150 157.2 0.0 351.0



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

