

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010509.D
 Acq On : 28 Jun 2019 01:03
 Operator : JC/SP
 Sample : PB120955TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB120955TB

Quant Time: Jun 28 08:04:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

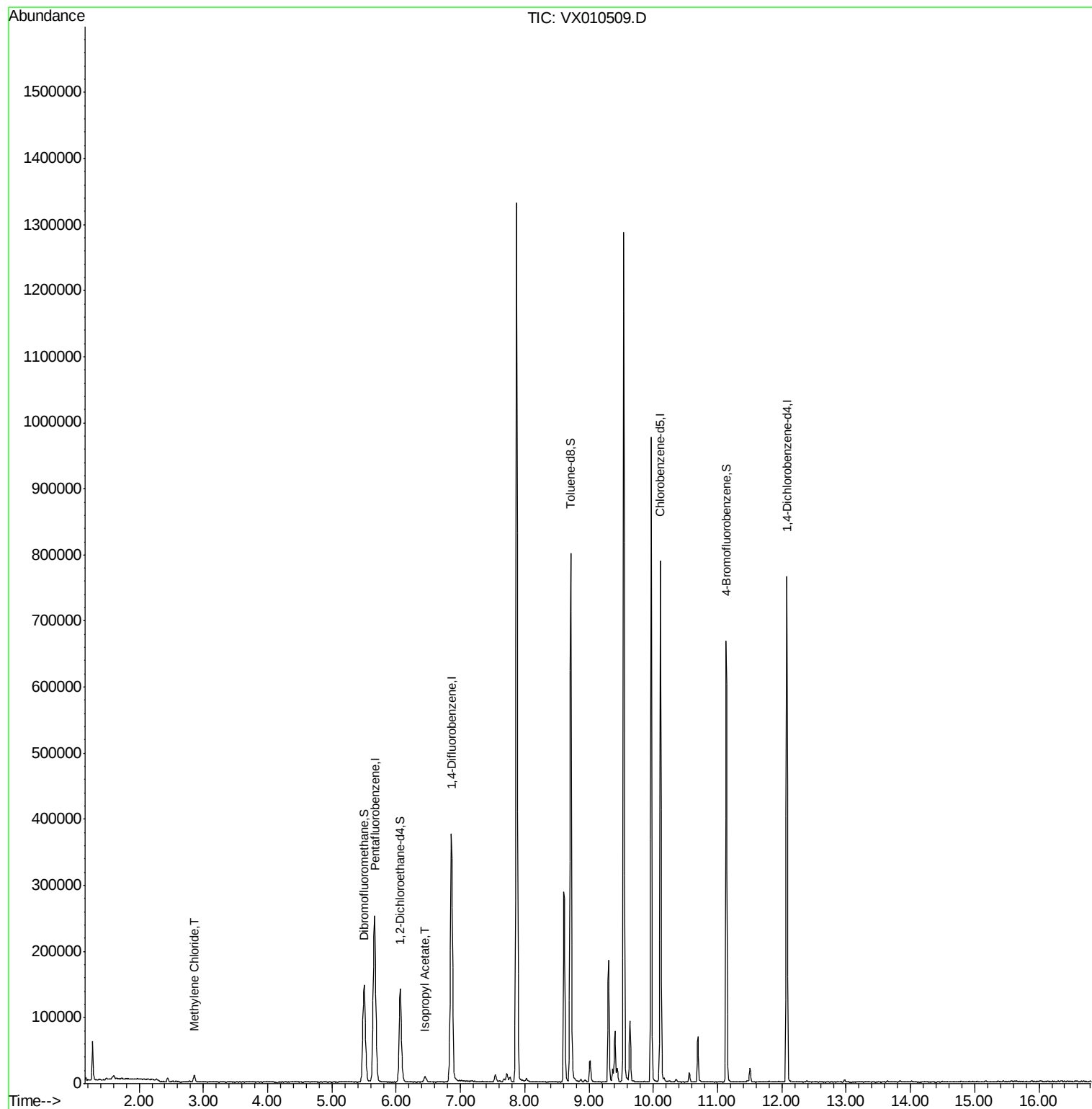
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	269260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	411037	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	379139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	173733	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	125509	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.42%	
35) Dibromofluoromethane	5.50	113	124080	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
50) Toluene-d8	8.71	98	491561	51.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	11.13	95	162157	46.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.36%	
Target Compounds						
20) Methylene Chloride	2.85	84	5490	2.108	ug/l	95
43) Isopropyl Acetate	6.45	43	12599	2.266	ug/l	95

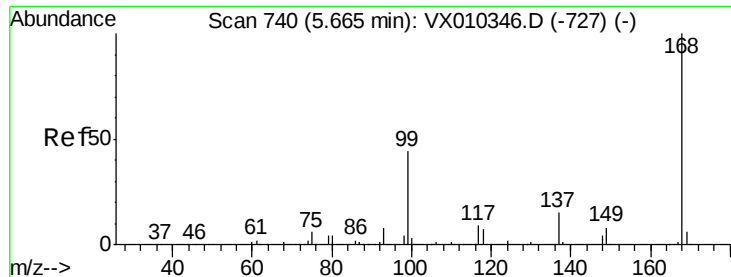
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

Instrument :

MSVOA_X

ClientSampled :

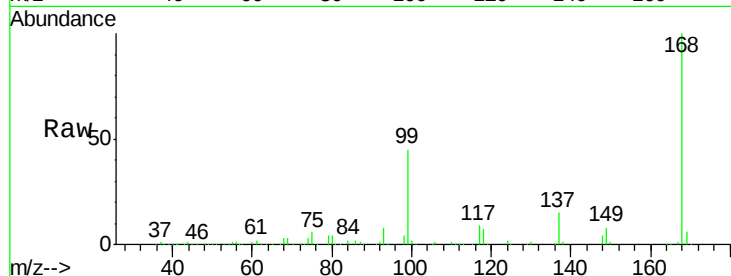
PB120955TB

Tot Ion:168 Resp: 269260

Ion Ratio Lower Upper

168 100

99 45.0 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

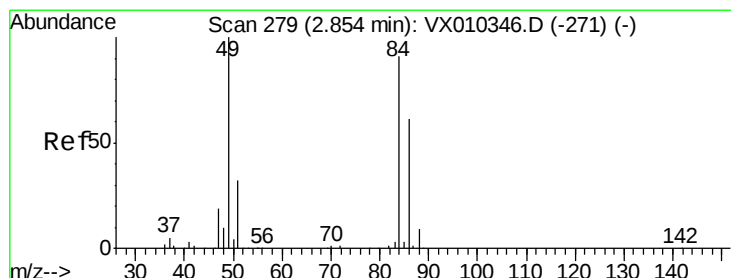
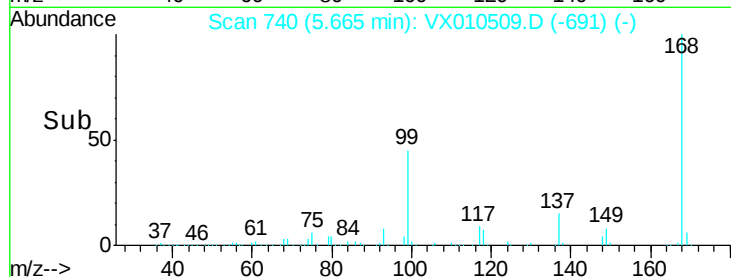
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#20

Methylene Chloride

Concen: 2.108 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

Tgt Ion: 84 Resp: 5490

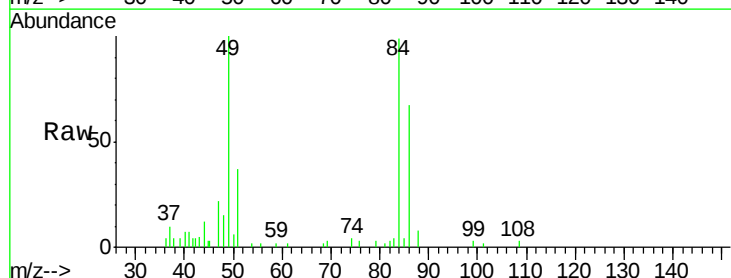
Ion Ratio Lower Upper

84 100

49 101.0 87.5 131.3

51 35.3 27.7 41.5

86 67.3 53.4 80.0



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

4000

3000

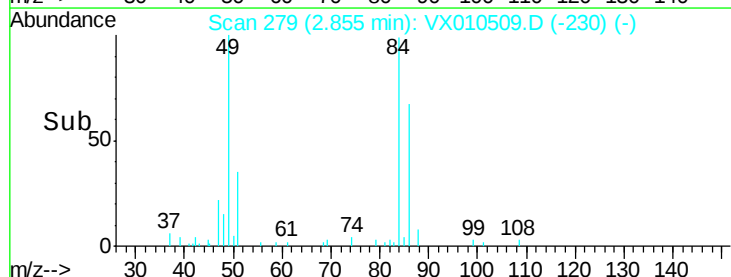
2000

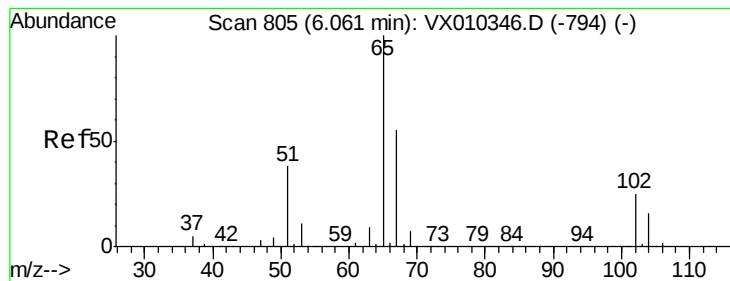
1000

0

Time-->

2.80 2.85 2.90 2.95





#33

1,2-Dichloroethane-d4

Concen: 49.715 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

Instrument :

MSVOA_X

ClientSampled :

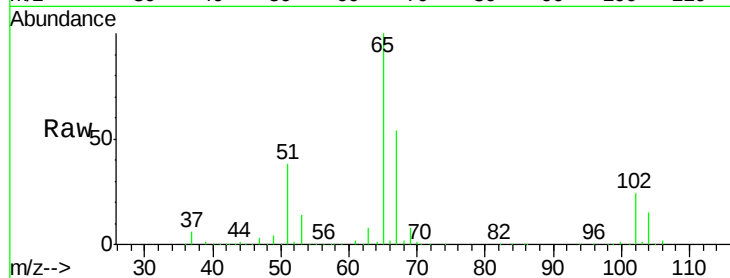
PB120955TB

Tot Ion: 65 Resp: 125509

Ion Ratio Lower Upper

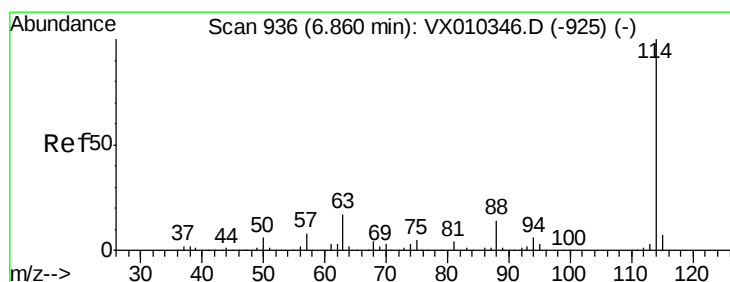
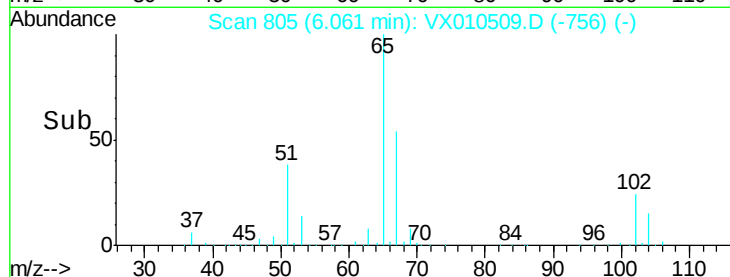
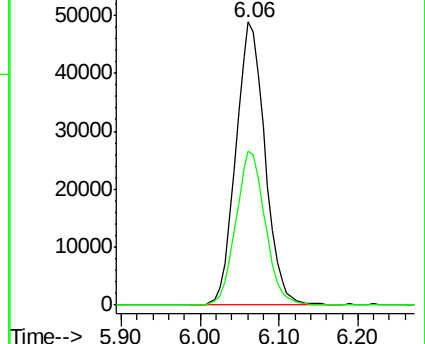
65 100

67 54.9 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

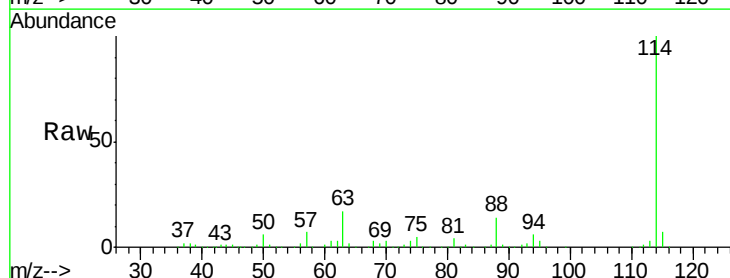
Tgt Ion: 114 Resp: 411037

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.8

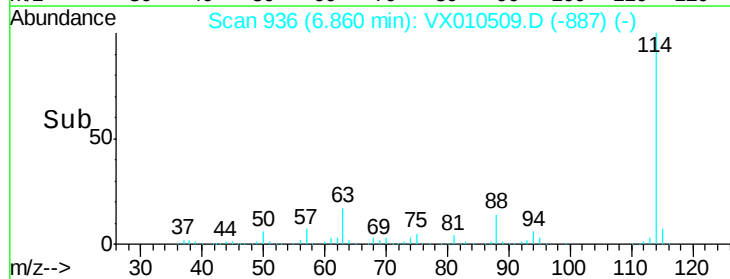
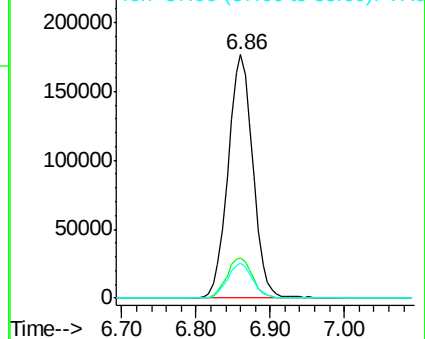
88 14.1 0.0 27.6

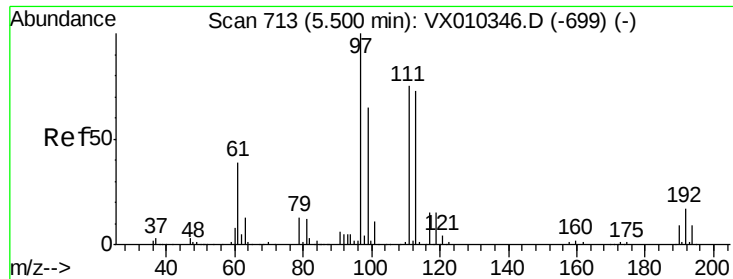


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

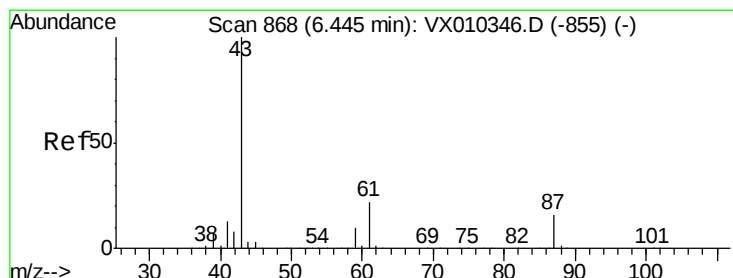
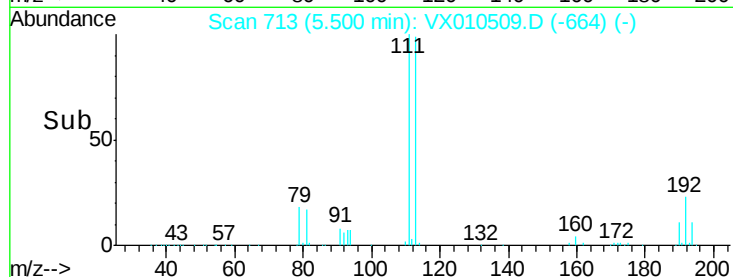
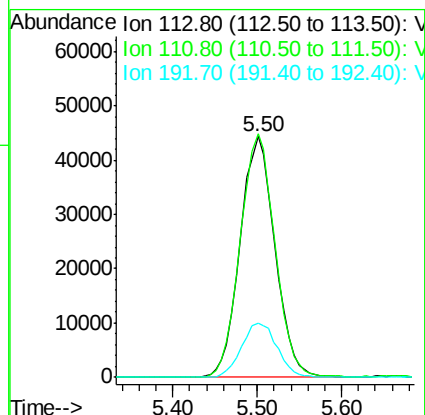
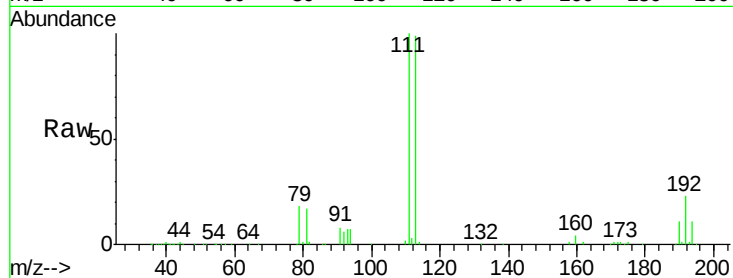




#35
 Dibromofluoromethane
 Concen: 49.338 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010509.D
 Acq: 28 Jun 2019 01:03

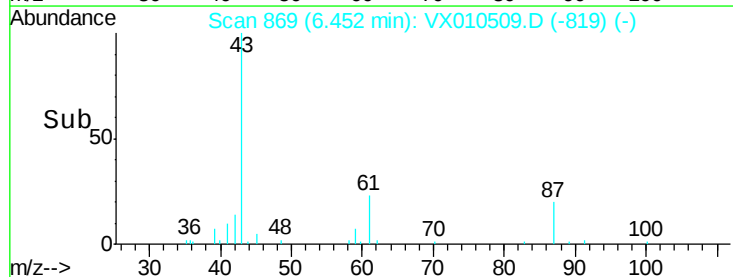
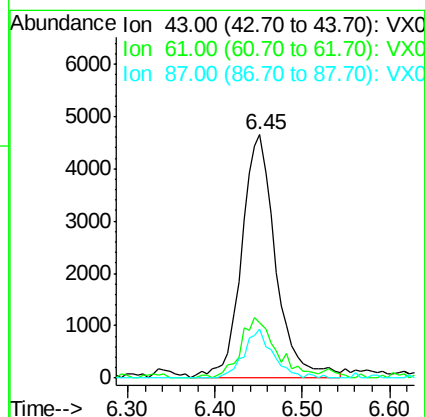
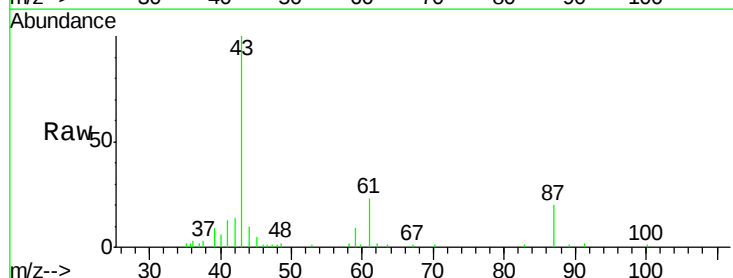
Instrument :
 MSVOA_X
 ClientSampleId :
 PB120955TB

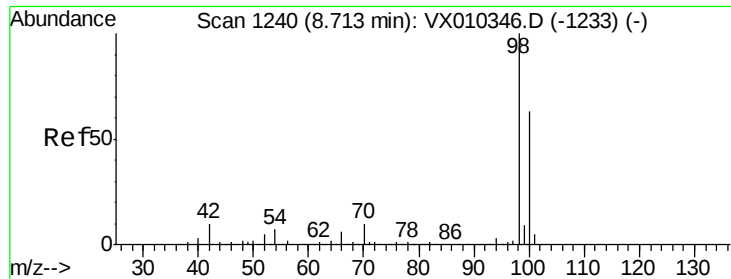
Tot Ion:113 Resp: 124080
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.2 121.8
 192 23.1 18.6 27.8



#43
 Isopropyl Acetate
 Concen: 2.266 ug/l
 RT: 6.45 min Scan# 869
 Delta R.T. 0.01 min
 Lab File: VX010509.D
 Acq: 28 Jun 2019 01:03

Tgt Ion: 43 Resp: 12599
 Ion Ratio Lower Upper
 43 100
 61 26.0 17.8 26.6
 87 16.7 13.0 19.4





#50

Toluene-d8

Concen: 51.090 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

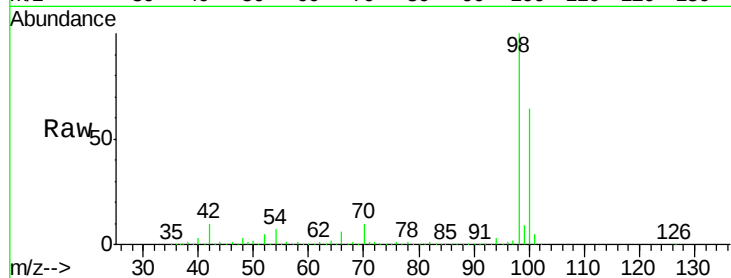
PB120955TB

Tot Ion: 98 Resp: 491561

Ion Ratio Lower Upper

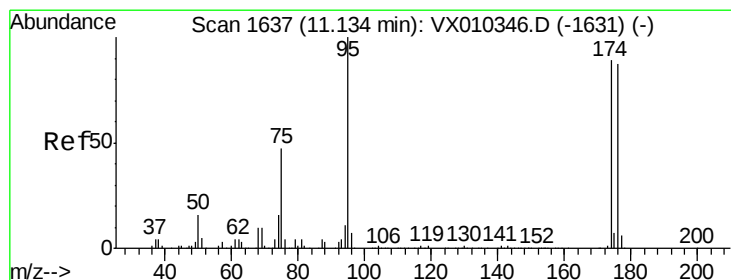
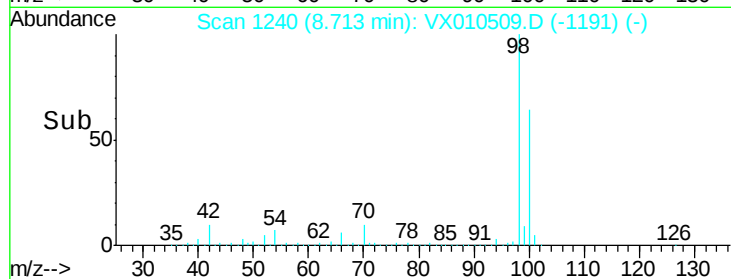
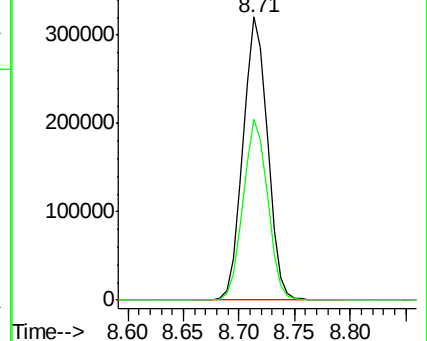
98 100

100 63.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 46.683 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010509.D

Acq: 28 Jun 2019 01:03

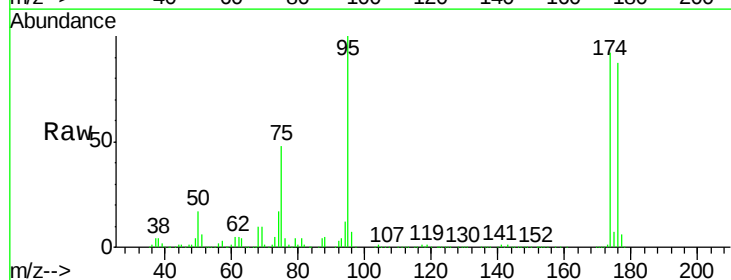
Tgt Ion: 95 Resp: 162157

Ion Ratio Lower Upper

95 100

174 97.9 0.0 187.6

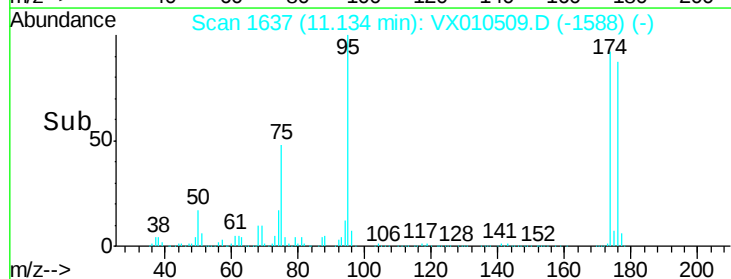
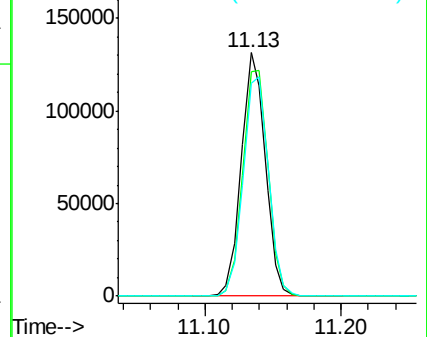
176 94.5 0.0 184.0

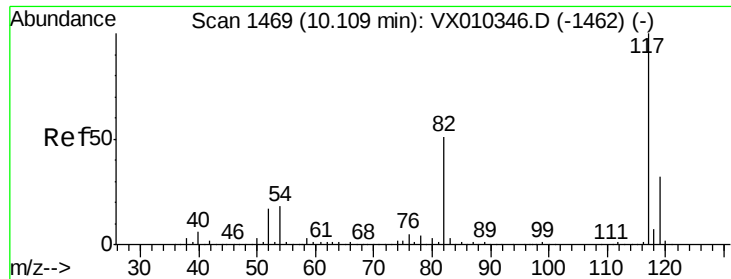


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

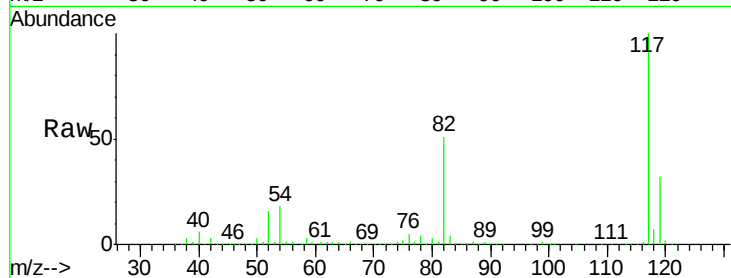




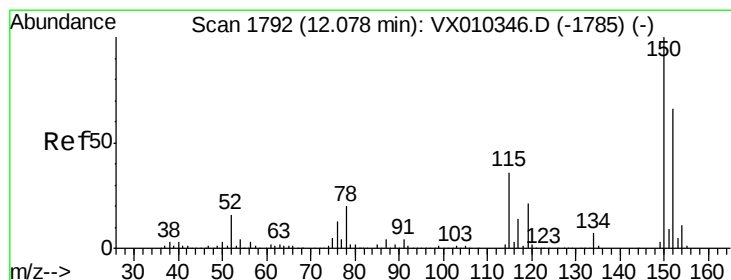
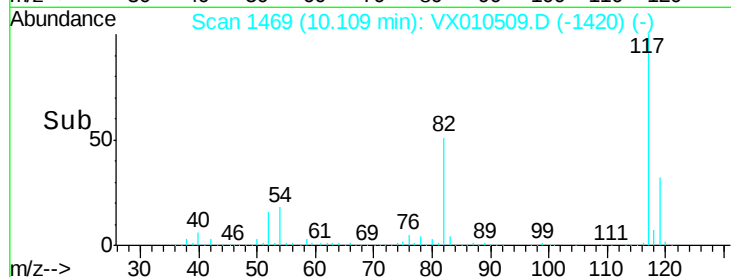
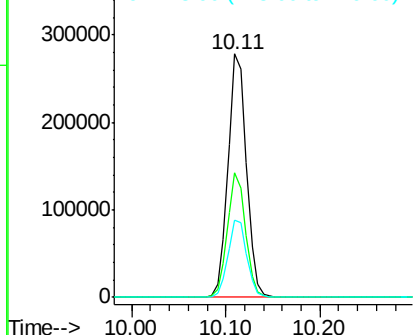
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010509.D
Acq: 28 Jun 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
PB120955TB

Tot Ion:117 Resp: 379139
Ion Ratio Lower Upper
117 100
82 51.2 41.2 61.8
119 31.8 25.5 38.3

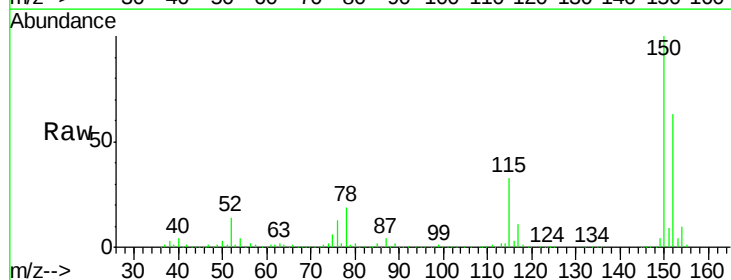


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010509.D
Acq: 28 Jun 2019 01:03

Tgt Ion:152 Resp: 173733
Ion Ratio Lower Upper
152 100
115 54.1 38.6 115.7
150 156.7 0.0 347.4



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

