

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX060518\
 Data File : VX002340.D
 Acq On : 06 Jun 2018 07:31
 Operator : JC/MD
 Sample : J3309-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-08

Quant Time: Jun 15 10:49:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	228922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	335491	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	319549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	197968	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	162521	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
35) Dibromofluoromethane	5.51	113	117918	44.69	ug/l	0.00
Spiked Amount			Recovery	=	89.38%	
50) Toluene-d8	8.72	98	491266	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.14	95	183903	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	

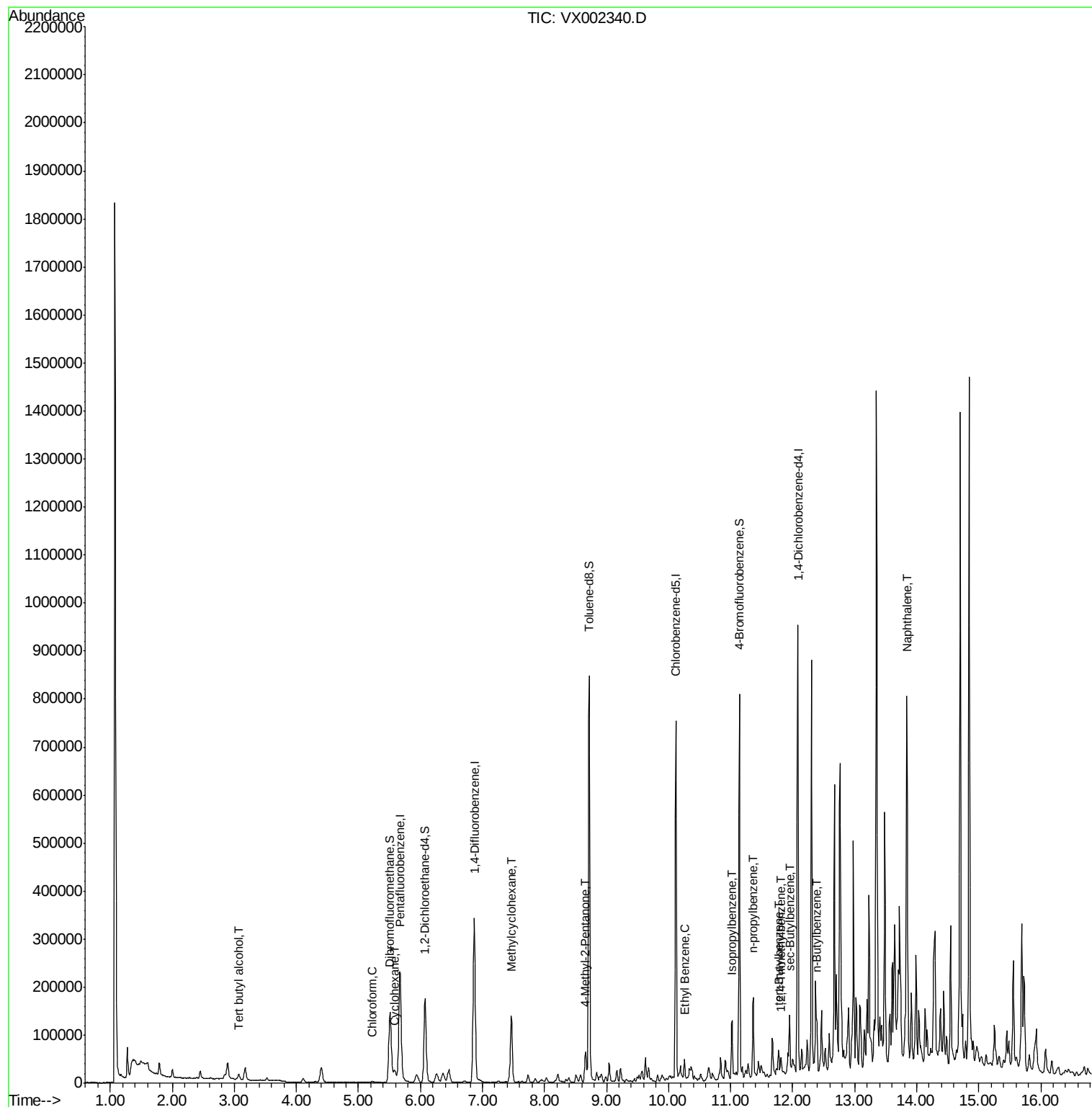
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	14019	1.20	ug/l #	90
30) Chloroform	5.23	83	1040	0.21	ug/l #	65
31) Cyclohexane	5.59	56	17904	4.33	ug/l	94
39) Methylcyclohexane	7.46	83	56580	13.18	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	23873	5.32	ug/l	99
67) Ethyl Benzene	10.26	91	22452	1.69	ug/l	95
73) Isopropylbenzene	11.02	105	62357	4.53	ug/l	98
78) n-propylbenzene	11.37	91	96393	6.30	ug/l	99
83) tert-Butylbenzene	11.77	119	10072	0.88	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	11462	0.94	ug/l	99
85) sec-Butylbenzene	11.95	105	48390	3.59	ug/l #	77
89) n-Butylbenzene	12.39	91	40896	3.97	ug/l #	71
95) Naphthalene	13.84	128	463624	32.17	ug/l	98

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

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Quant Time: Jun 15 10:49:03 2018
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Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002340.D

Acq: 06 Jun 2018 07:31

Instrument :

MSVOA_X

ClientSampleId :

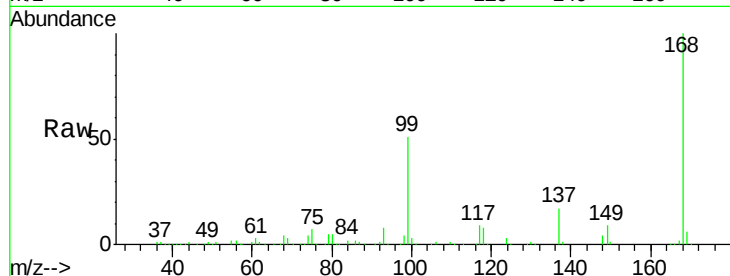
MW-08

Tot Ion:168 Resp: 228922

Ion Ratio Lower Upper

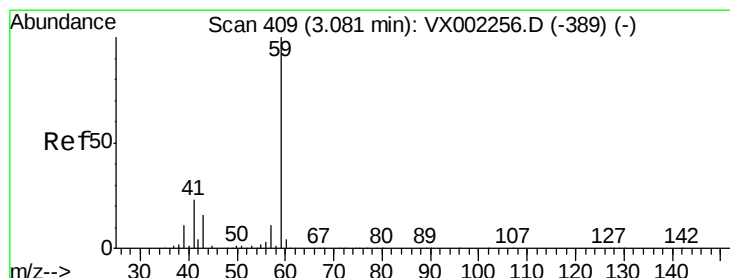
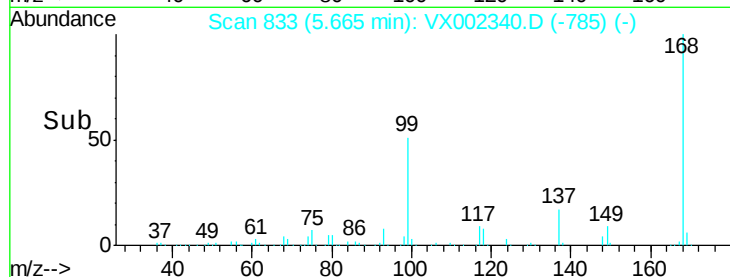
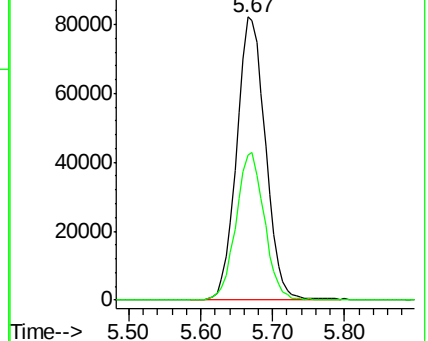
168 100

99 51.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 1.20 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX002340.D

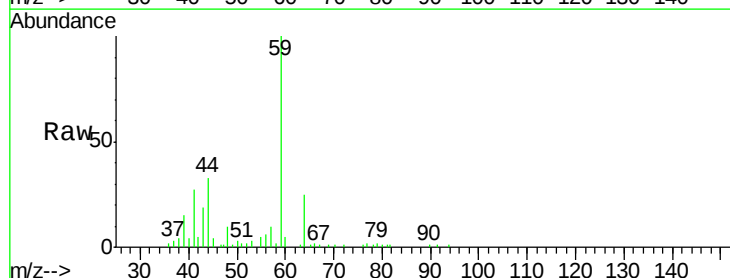
Acq: 06 Jun 2018 07:31

Tgt Ion: 59 Resp: 14019

Ion Ratio Lower Upper

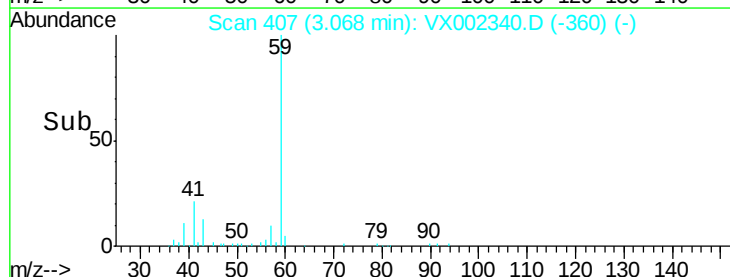
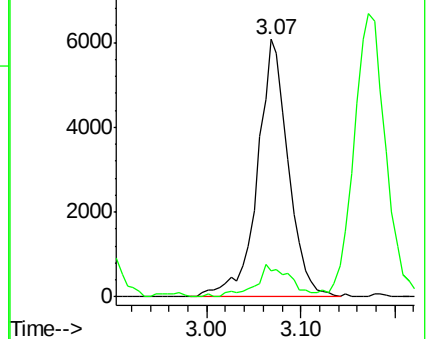
59 100

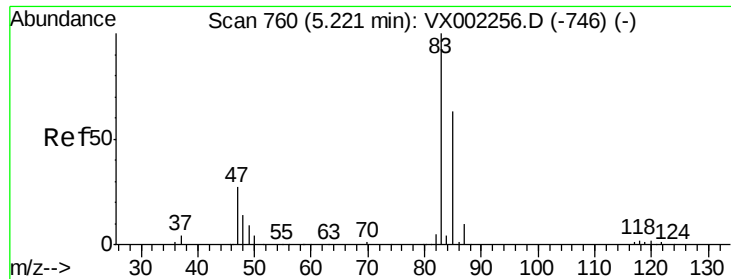
57 13.9 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

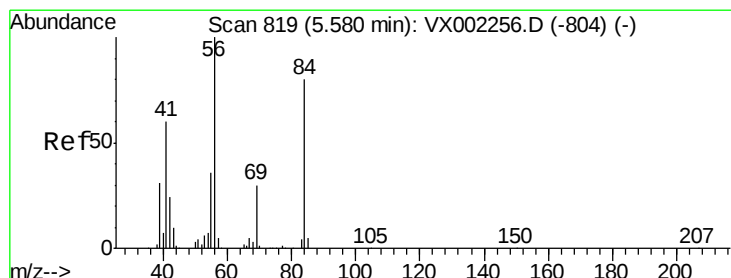
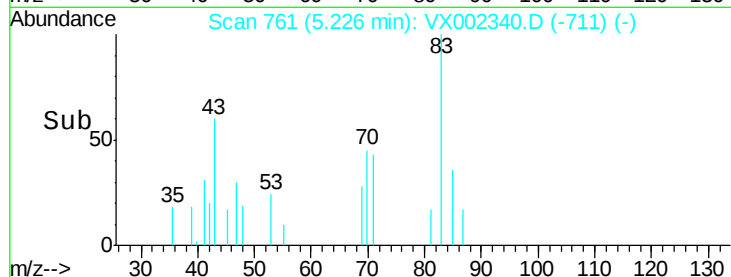
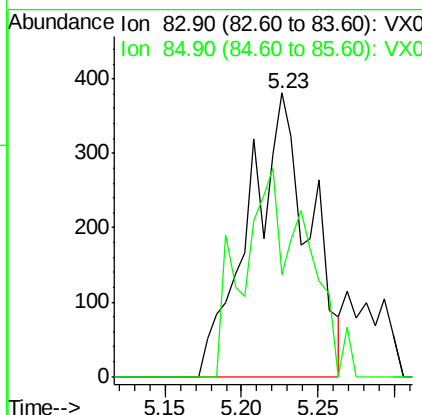
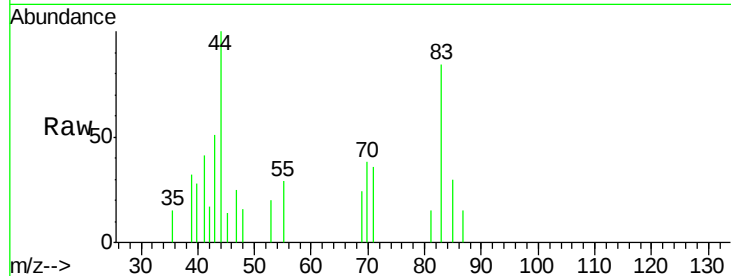




#30
Chloroform
Concen: 0.21 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX002340.D
Acq: 06 Jun 2018 07:31

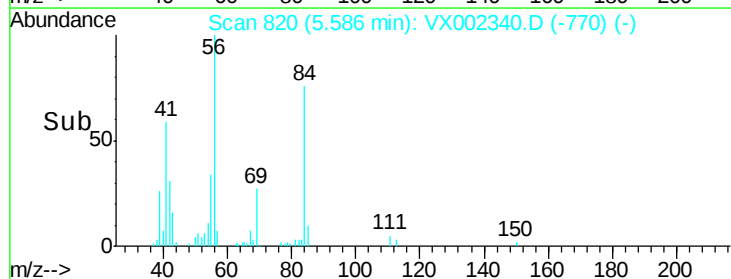
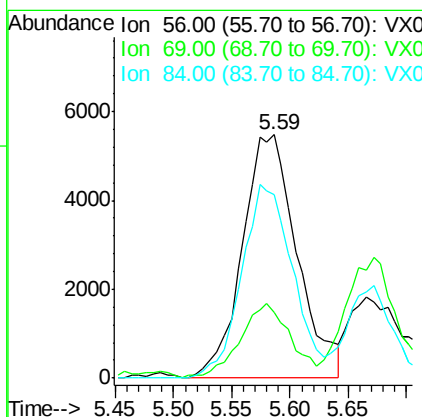
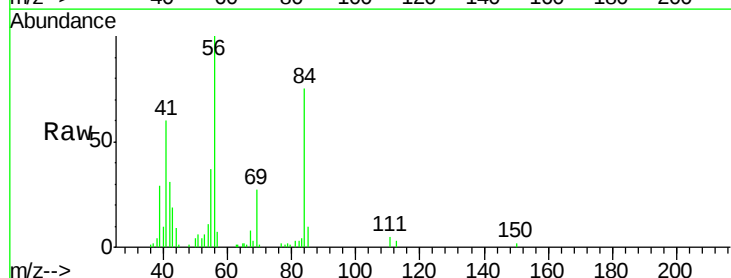
Instrument :
MSVOA_X
ClientSampled :
MW-08

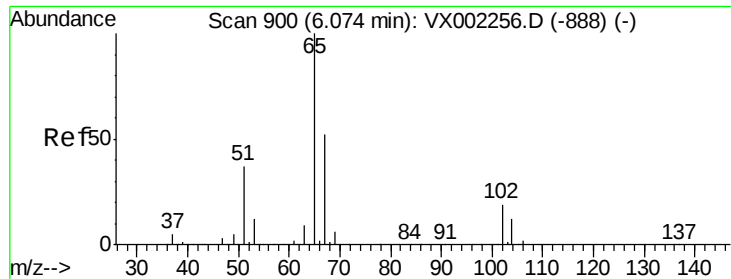
Tot Ion: 83 Resp: 1040
Ion Ratio Lower Upper
83 100
85 36.0 50.4 75.6#



#31
Cyclohexane
Concen: 4.33 ug/l
RT: 5.59 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX002340.D
Acq: 06 Jun 2018 07:31

Tgt Ion: 56 Resp: 17904
Ion Ratio Lower Upper
56 100
69 25.4 23.7 35.5
84 75.3 64.1 96.1





#33

1,2-Dichloroethane-d4

Concen: 49.62 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002340.D

Acq: 06 Jun 2018 07:31

Instrument :

MSVOA_X

ClientSampleId :

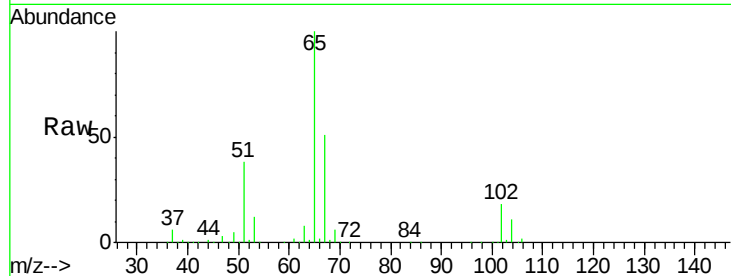
MW-08

Tot Ion: 65 Resp: 162521

Ion Ratio Lower Upper

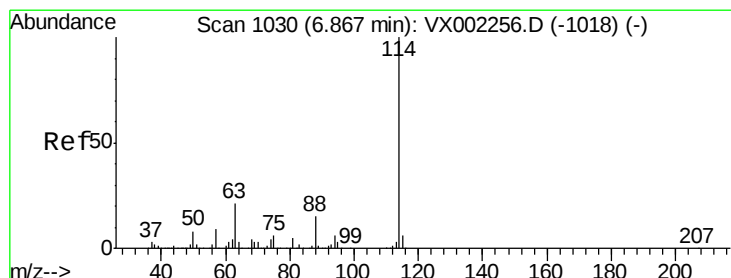
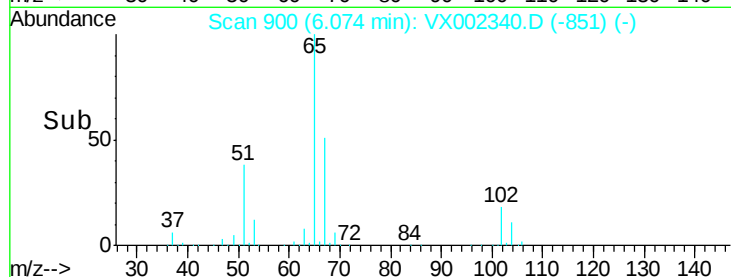
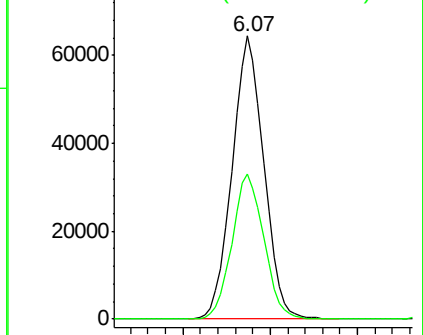
65 100

67 51.6 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: VX002340.D

Acq: 06 Jun 2018 07:31

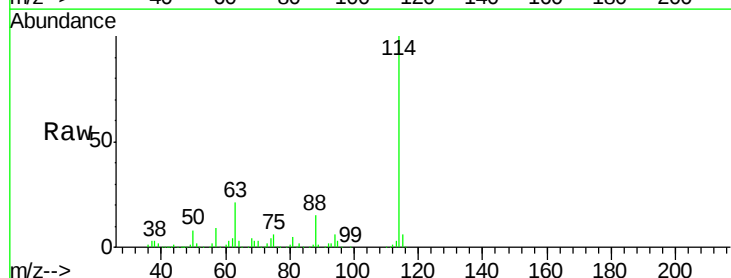
Tgt Ion: 114 Resp: 335491

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.4

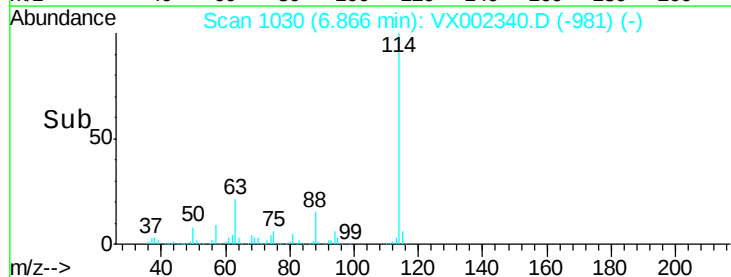
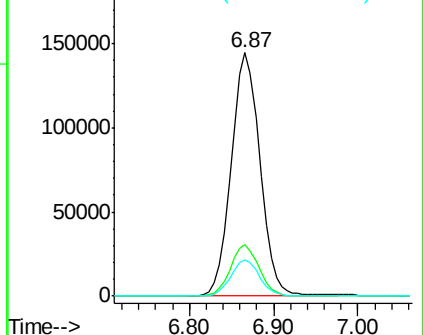
88 14.7 0.0 30.0

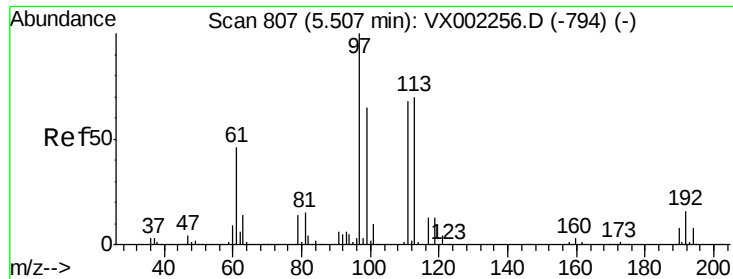


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

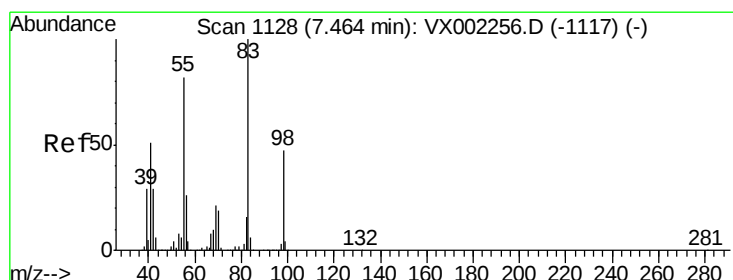
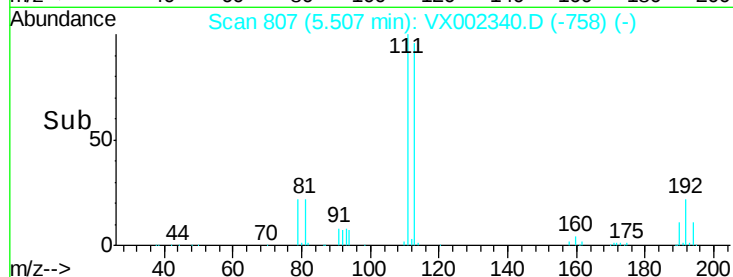
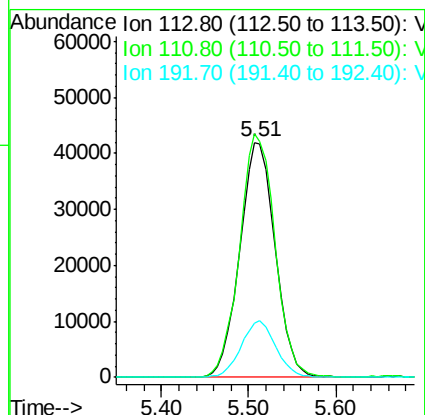
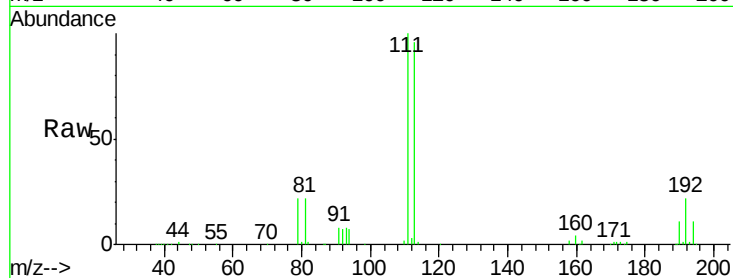




#35
Dibromofluoromethane
Concen: 44.69 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002340.D
Acq: 06 Jun 2018 07:31

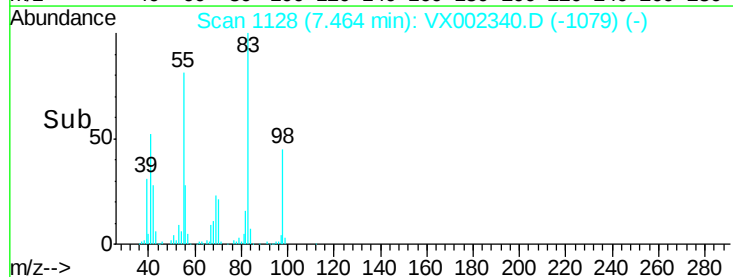
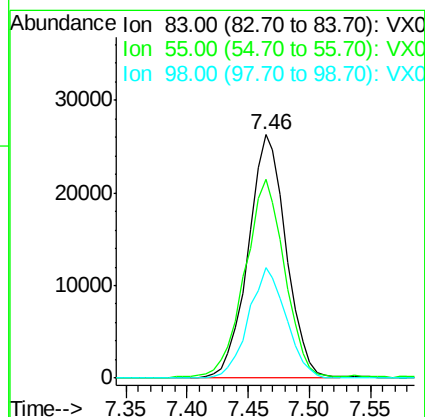
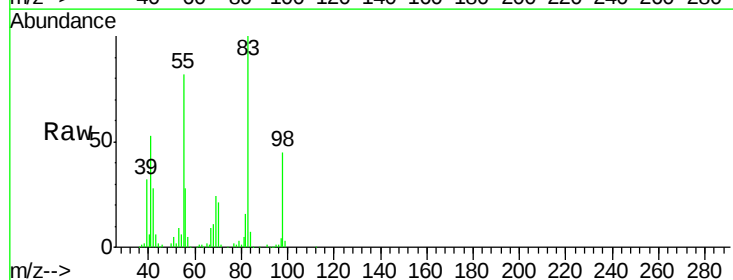
Instrument :
MSVOA_X
ClientSampled :
MW-08

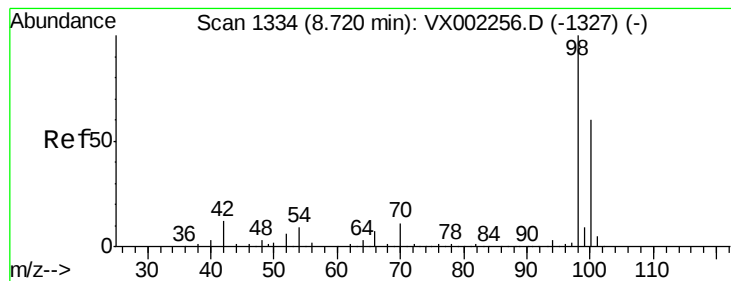
Tot Ion:113 Resp: 117918
Ion Ratio Lower Upper
113 100
111 104.1 81.4 122.0
192 23.6 19.1 28.7



#39
Methylcyclohexane
Concen: 13.18 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002340.D
Acq: 06 Jun 2018 07:31

Tgt Ion: 83 Resp: 56580
Ion Ratio Lower Upper
83 100
55 81.2 65.4 98.0
98 45.2 37.4 56.0





#50

Toluene-d8

Concen: 48.58 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002340.D

Acq: 06 Jun 2018 07:31

Instrument :

MSVOA_X

ClientSampled :

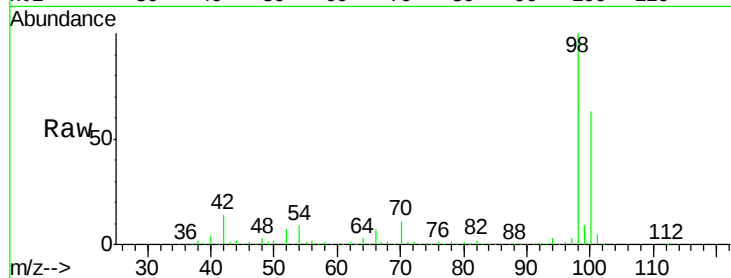
MW-08

Tot Ion: 98 Resp: 491266

Ion Ratio Lower Upper

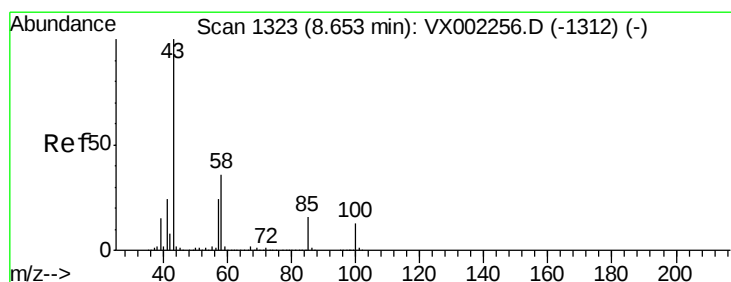
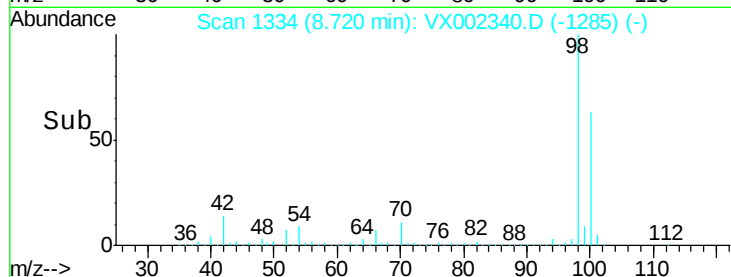
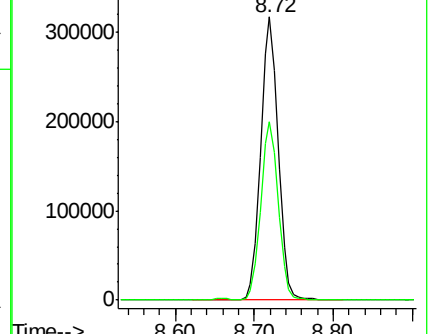
98 100

100 62.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 5.32 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002340.D

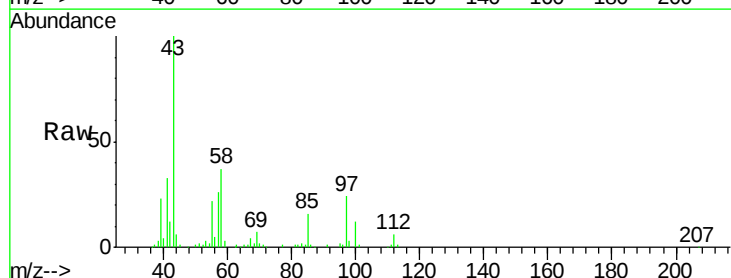
Acq: 06 Jun 2018 07:31

Tgt Ion: 43 Resp: 23873

Ion Ratio Lower Upper

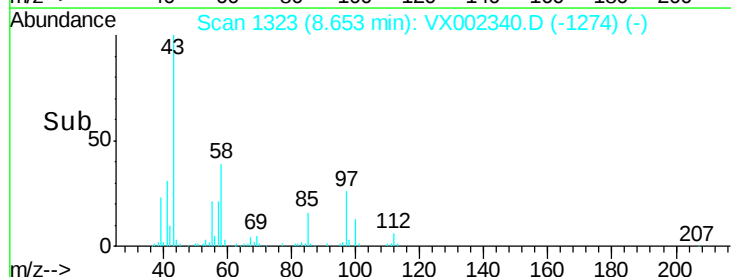
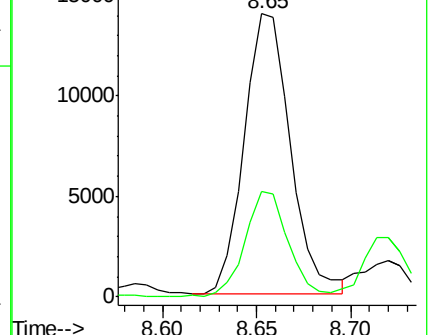
43 100

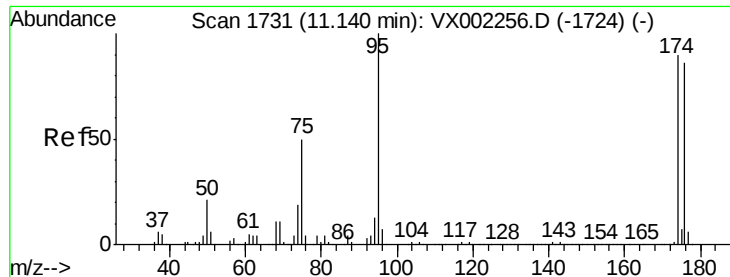
58 35.0 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 47.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002340.D

Acq: 06 Jun 2018 07:31

Instrument :

MSVOA_X

ClientSampleId :

MW-08

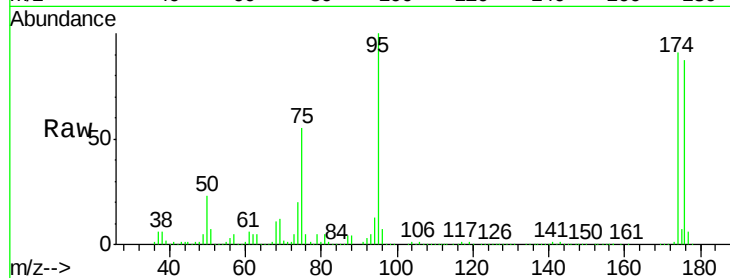
Tot Ion: 95 Resp: 183903

Ion Ratio Lower Upper

95 100

174 93.2 0.0 187.4

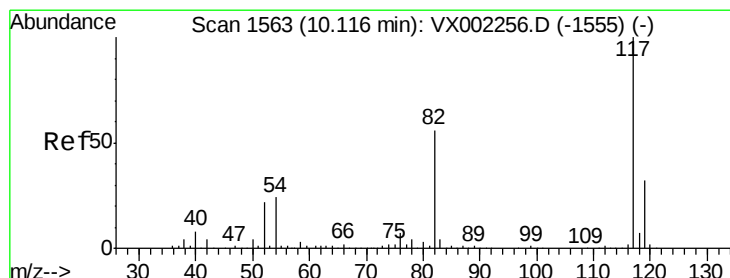
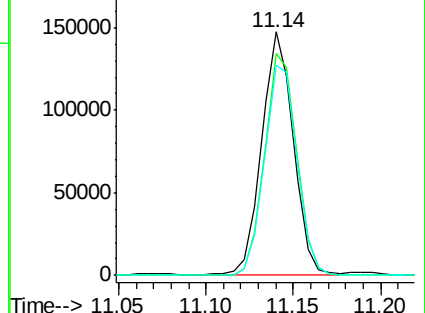
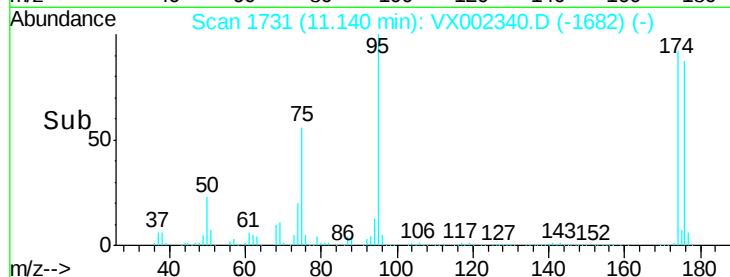
176 89.7 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002340.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002340.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002340.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002340.D

Acq: 06 Jun 2018 07:31

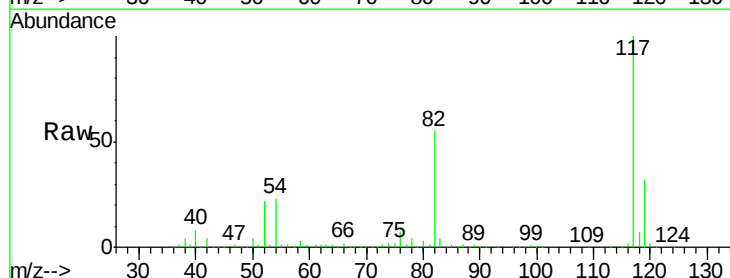
Tgt Ion: 117 Resp: 319549

Ion Ratio Lower Upper

117 100

82 54.6 45.0 67.4

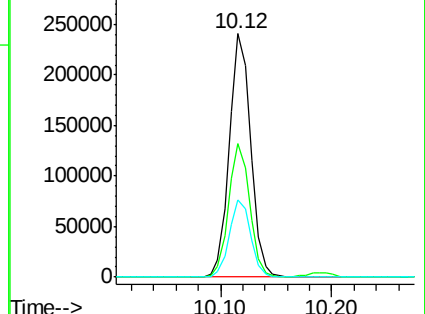
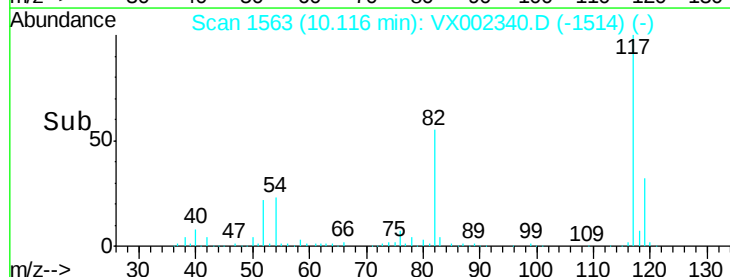
119 31.8 25.8 38.6

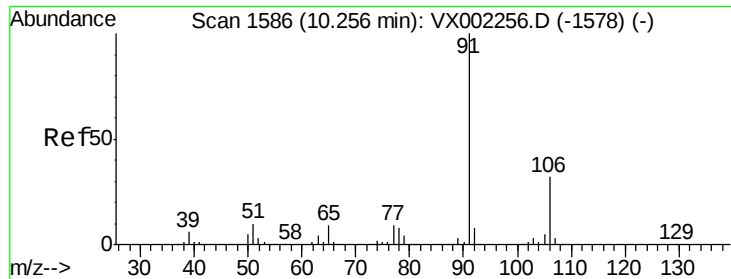


Abundance Ion 116.90 (116.60 to 117.60): VX002340.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002340.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002340.D (-1514) (-)





#67

Ethyl Benzene

Concen: 1.69 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002340.D

Acq: 06 Jun 2018 07:31

Instrument :

MSVOA_X

ClientSampled :

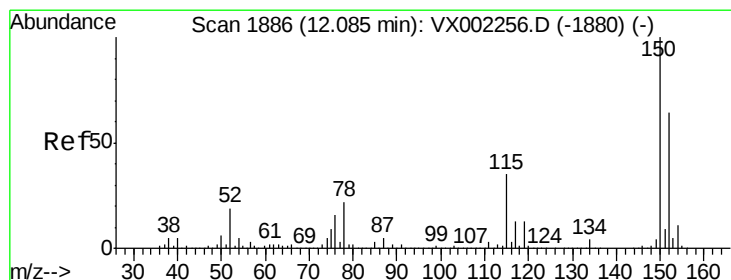
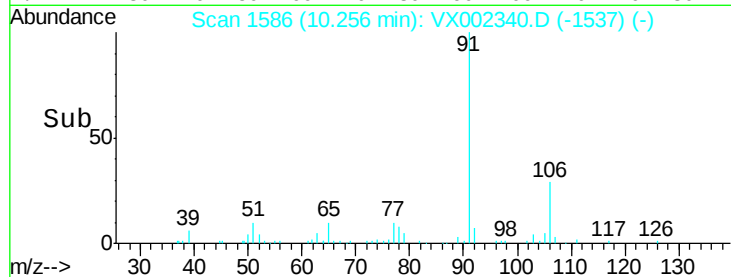
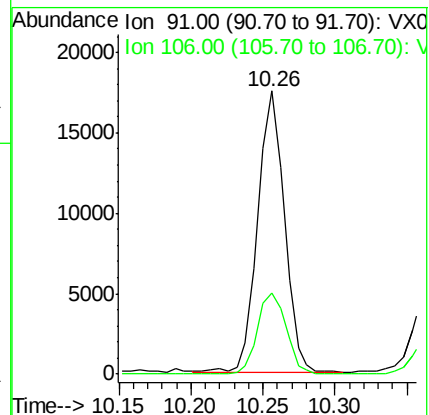
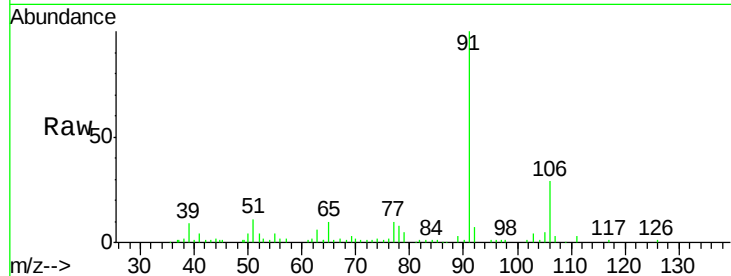
MW-08

Tot Ion: 91 Resp: 22452

Ion Ratio Lower Upper

91 100

106 28.9 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002340.D

Acq: 06 Jun 2018 07:31

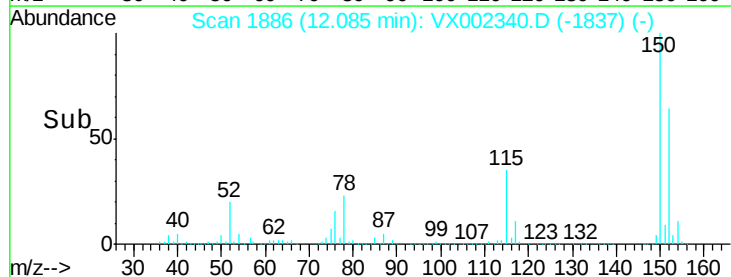
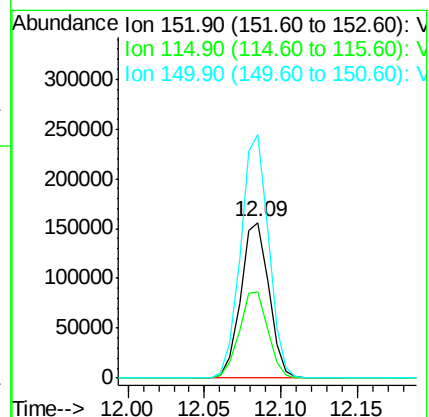
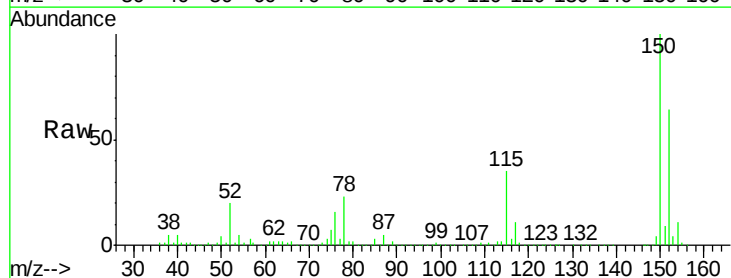
Tgt Ion: 152 Resp: 197968

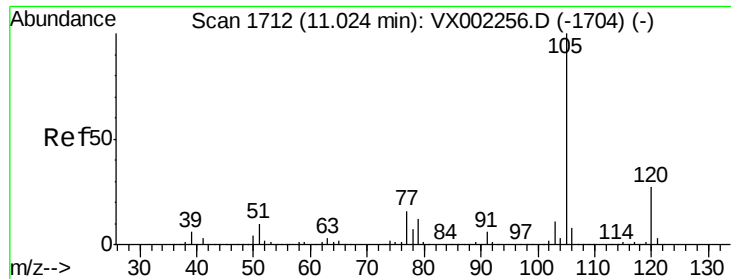
Ion Ratio Lower Upper

152 100

115 56.7 40.1 120.2

150 155.9 0.0 347.2





#73

Isopropylbenzene

Concen: 4.53 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002340.D

Acq: 06 Jun 2018 07:31

Instrument :

MSVOA_X

ClientSampled :

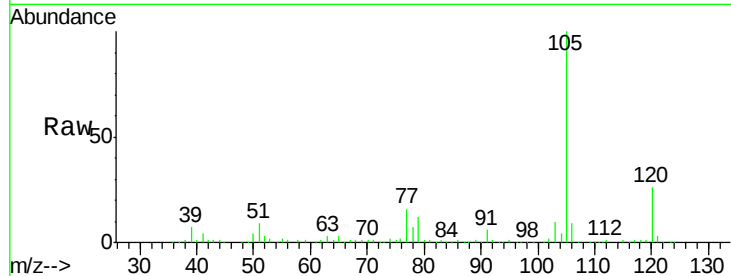
MW-08

Tot Ion:105 Resp: 62357

Ion Ratio Lower Upper

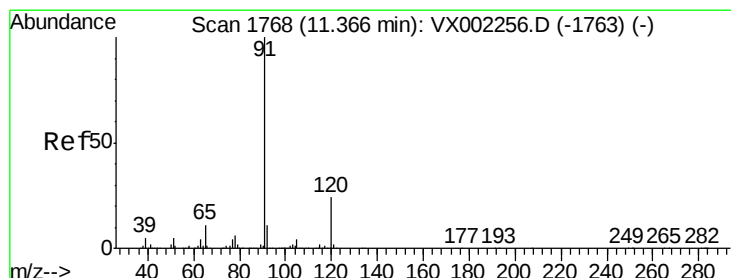
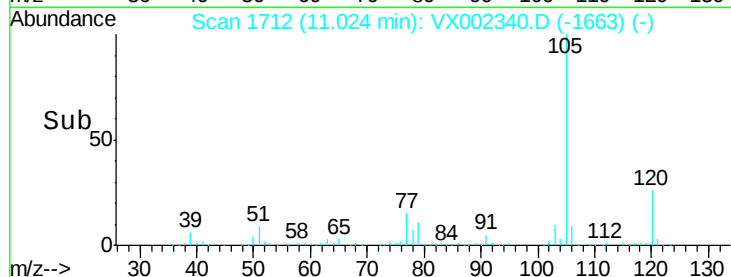
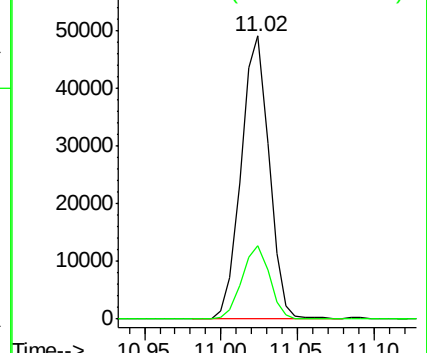
105 100

120 26.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 6.30 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002340.D

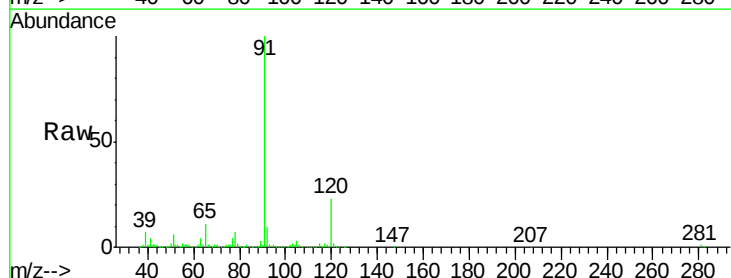
Acq: 06 Jun 2018 07:31

Tgt Ion: 91 Resp: 96393

Ion Ratio Lower Upper

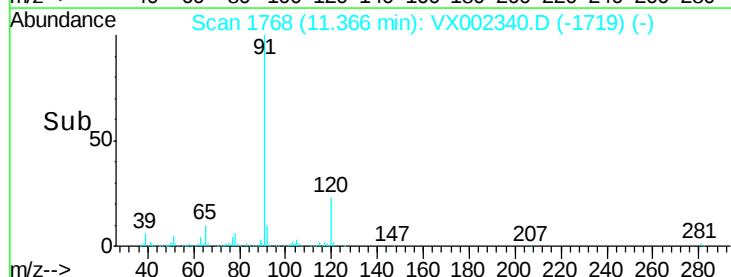
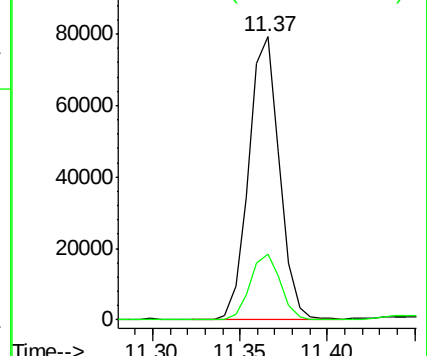
91 100

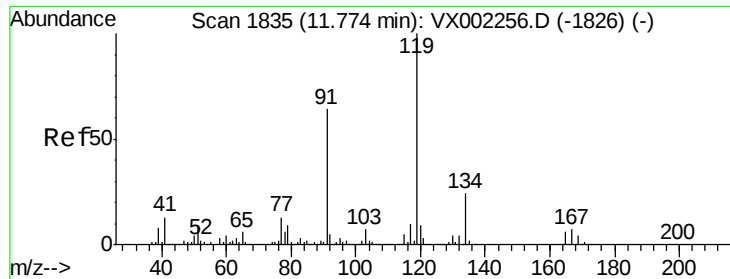
120 22.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

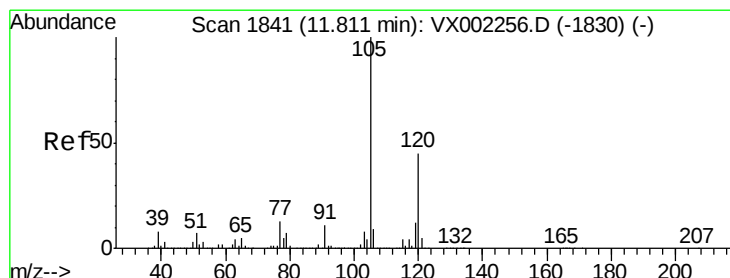
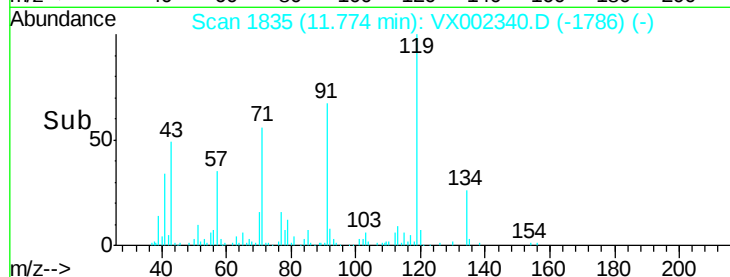
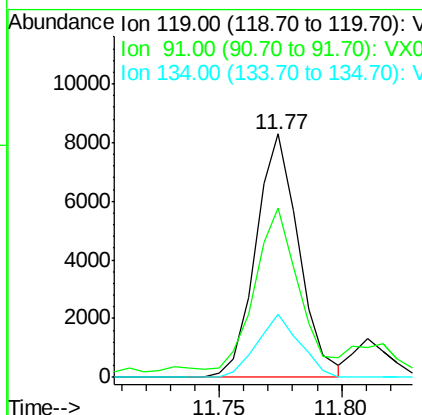
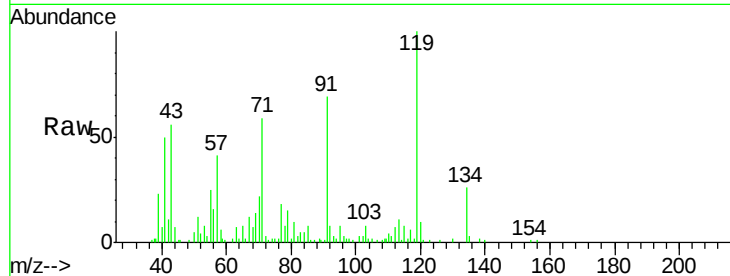




#83
 tert-Butylbenzene
 Concen: 0.88 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002340.D
 Acq: 06 Jun 2018 07:31

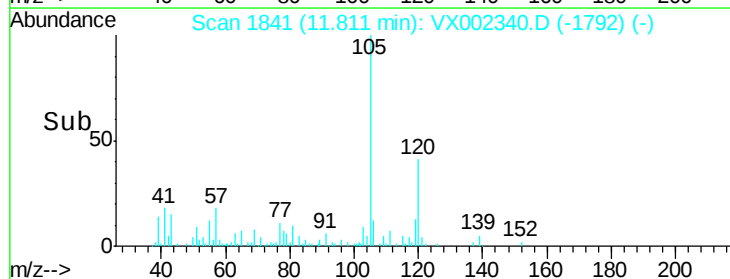
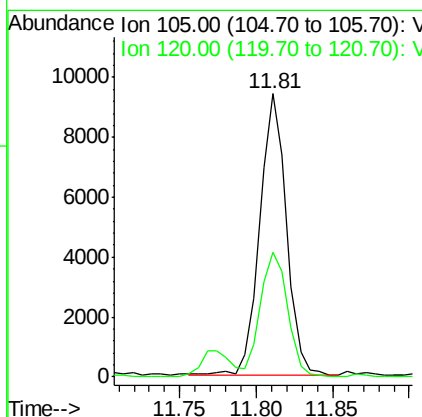
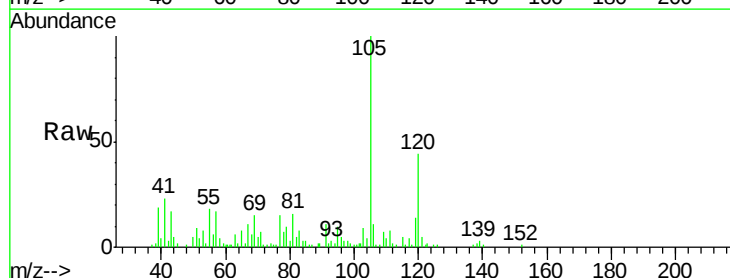
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-08

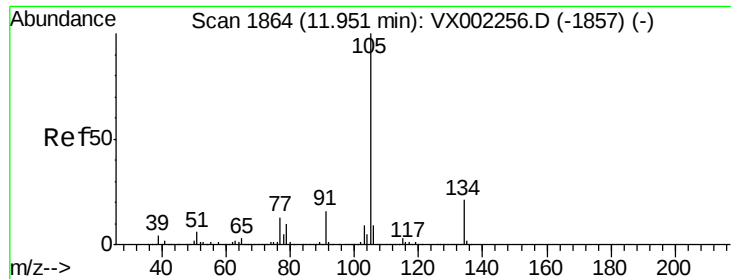
Tot Ion:119 Resp: 10072
 Ion Ratio Lower Upper
 119 100
 91 70.3 30.3 90.9
 134 25.5 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 0.94 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002340.D
 Acq: 06 Jun 2018 07:31

Tgt Ion:105 Resp: 11462
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.3 66.8





#85

sec-Butylbenzene

Concen: 3.59 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002340.D

Acq: 06 Jun 2018 07:31

Instrument :

MSVOA_X

ClientSampled :

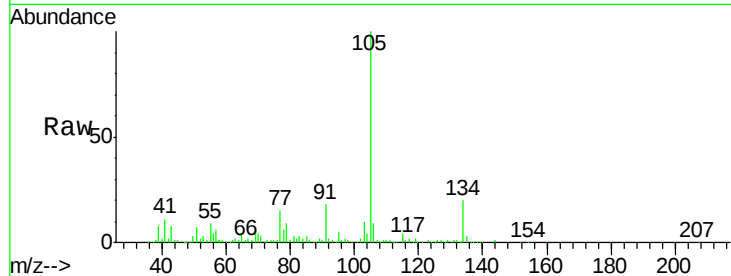
MW-08

Tot Ion:105 Resp: 48390

Ion Ratio Lower Upper

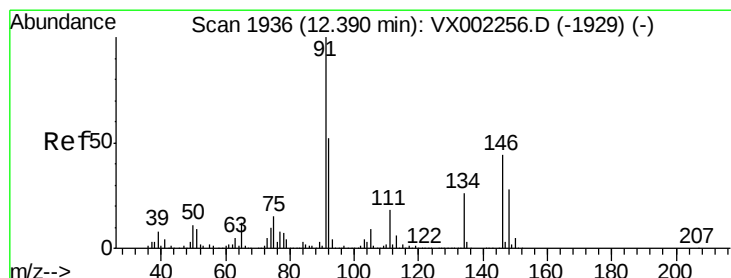
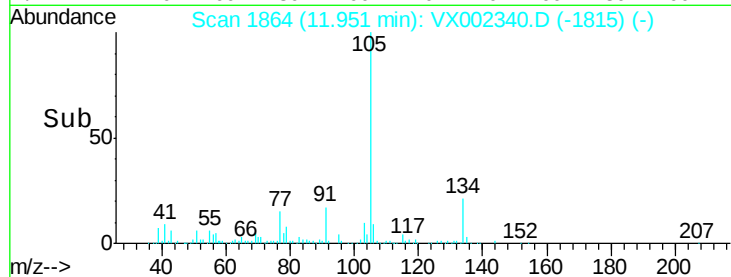
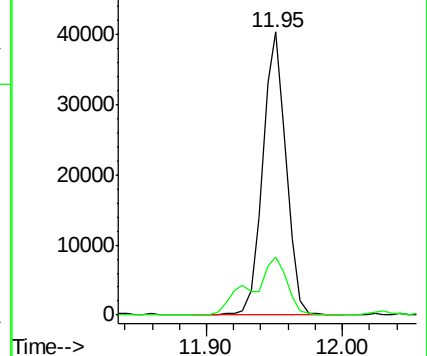
105 100

134 31.6 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 3.97 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002340.D

Acq: 06 Jun 2018 07:31

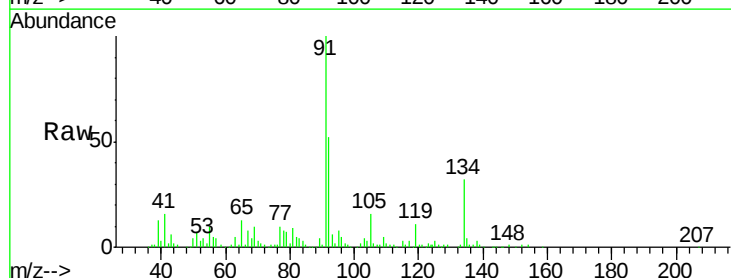
Tgt Ion: 91 Resp: 40896

Ion Ratio Lower Upper

91 100

92 44.1 26.0 78.0

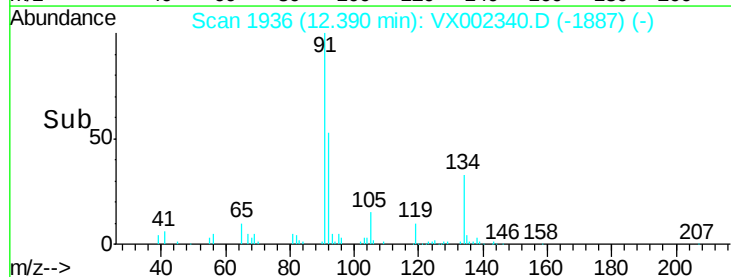
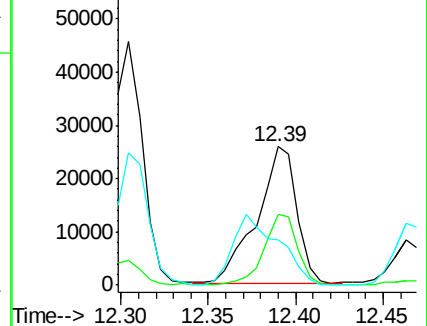
134 59.5 13.5 40.5#

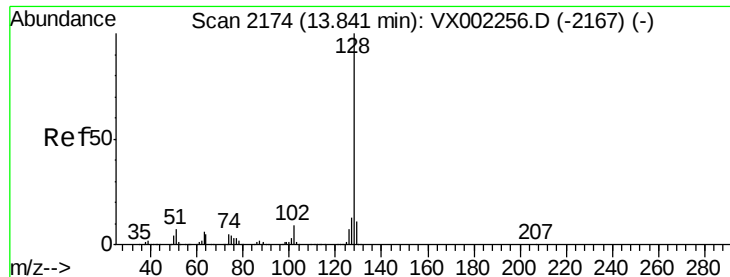


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 32.17 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002340.D

Acq: 06 Jun 2018 07:31

Instrument :

MSVOA_X

ClientSampleId :

MW-08

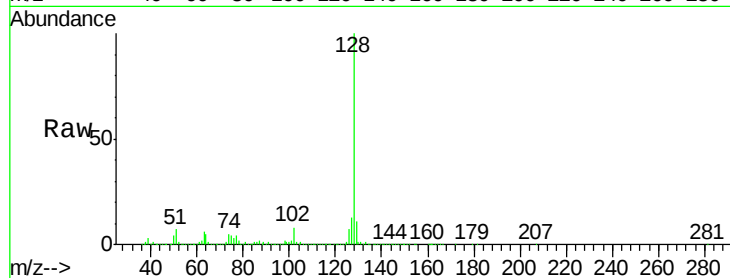
Tot Ion:128 Resp: 463624

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 12.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

