

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX060618\
 Data File : VX002355.D
 Acq On : 06 Jun 2018 16:22
 Operator : JC/MD
 Sample : J3311-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-03

Quant Time: Jun 15 17:23:26 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	236728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	345719	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	316544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	180862	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	164368	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
35) Dibromofluoromethane	5.51	113	122477	45.05	ug/l	0.00
Spiked Amount			Recovery	=	90.10%	
50) Toluene-d8	8.72	98	497437	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
62) 4-Bromofluorobenzene	11.14	95	178182	44.34	ug/l	0.00
Spiked Amount			Recovery	=	88.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	174288	40.78	ug/l	94
39) Methylcyclohexane	7.46	83	272941	60.73	ug/l	98
40) Benzene	6.15	78	71849	6.45	ug/l	99
52) Toluene	8.79	92	8742	1.23	ug/l	99
67) Ethyl Benzene	10.26	91	4332	0.33	ug/l	99
69) o-Xylene	10.70	106	2659	0.52	ug/l	100
73) Isopropylbenzene	11.02	105	300014	23.85	ug/l	100
74) N-amyl acetate	6.46	43	7216	1.06	ug/l #	61
78) n-propylbenzene	11.37	91	487796	34.88	ug/l	99
83) tert-Butylbenzene	11.77	119	27146	2.58	ug/l	92
85) sec-Butylbenzene	11.95	105	161017	13.07	ug/l	83
89) n-Butylbenzene	12.39	91	93129	9.90	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

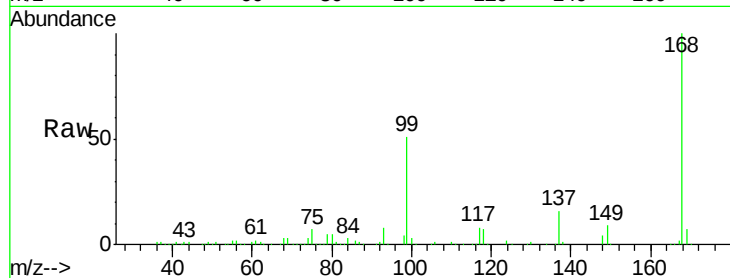
MW-03

Tot Ion:168 Resp: 236728

Ion Ratio Lower Upper

168 100

99 50.6 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

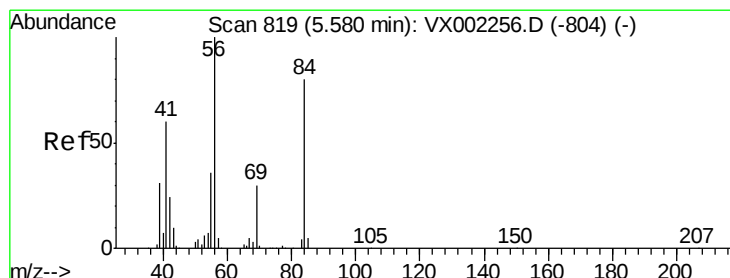
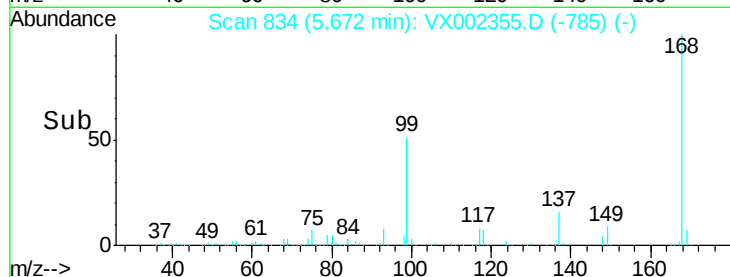
40000

20000

0

Time-->

5.60 5.70 5.80



#31

Cyclohexane

Concen: 40.78 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

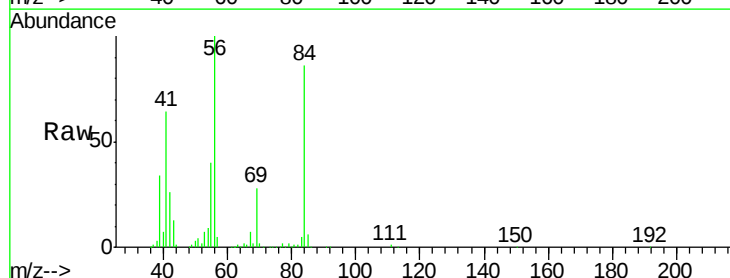
Tgt Ion: 56 Resp: 174288

Ion Ratio Lower Upper

56 100

69 27.7 23.7 35.5

84 85.8 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.58

60000

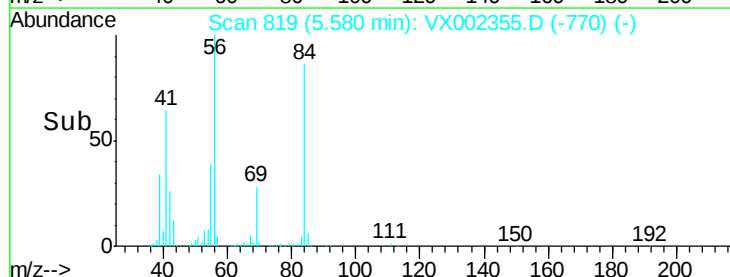
40000

20000

0

Time-->

5.40 5.50 5.60 5.70

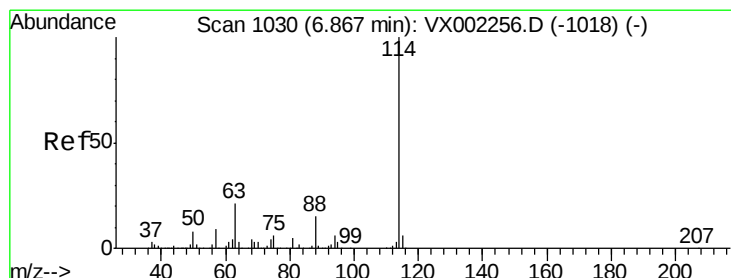
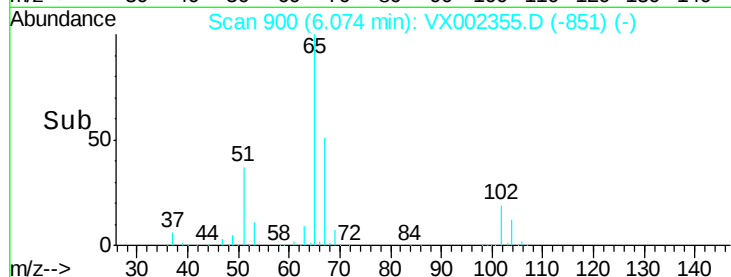
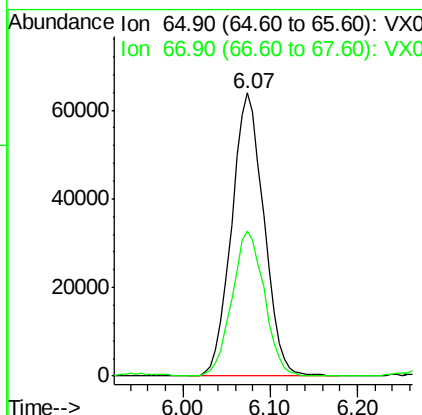
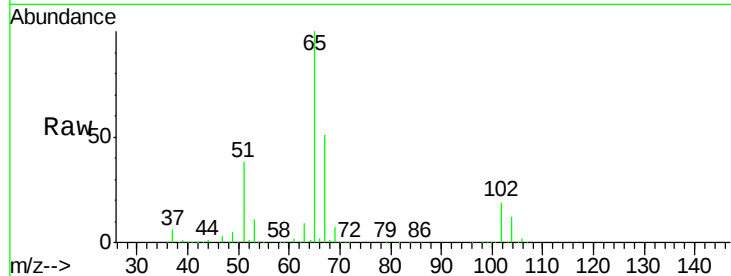




#33
 1,2-Dichloroethane-d4
 Concen: 48.45 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002355.D
 Acq: 06 Jun 2018 16:22

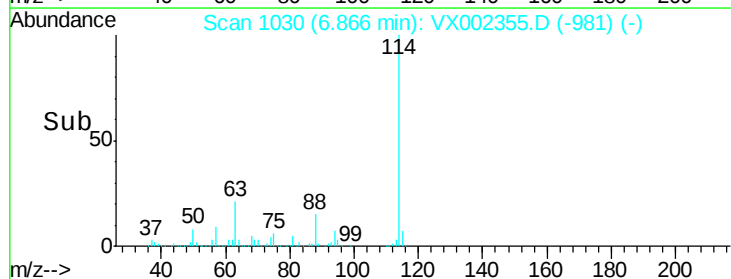
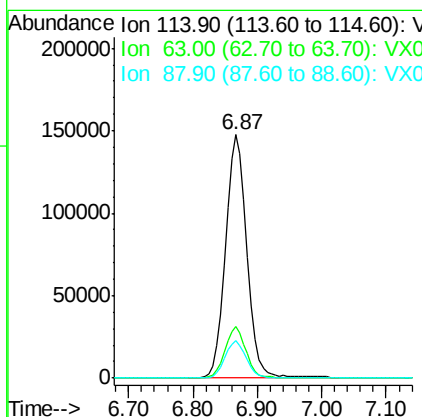
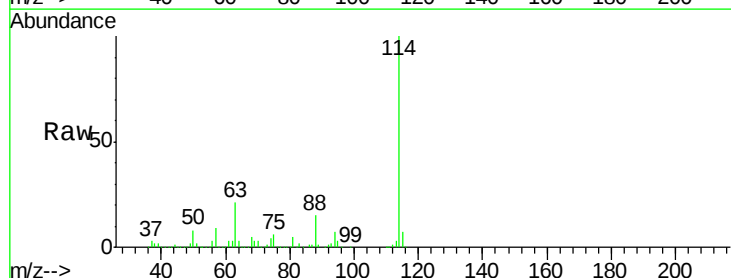
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-03

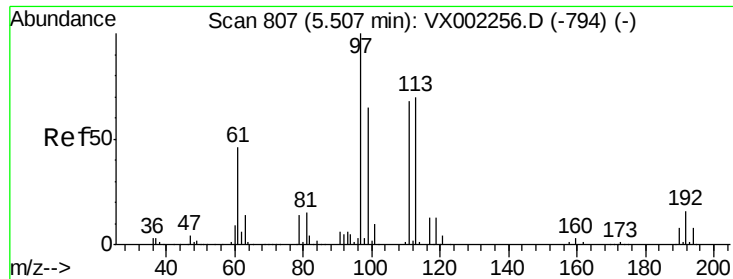
Tot Ion: 65 Resp: 164368
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002355.D
 Acq: 06 Jun 2018 16:22

Tgt Ion: 114 Resp: 345719
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.4
 88 15.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 45.05 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

ClientSampled :

MW-03

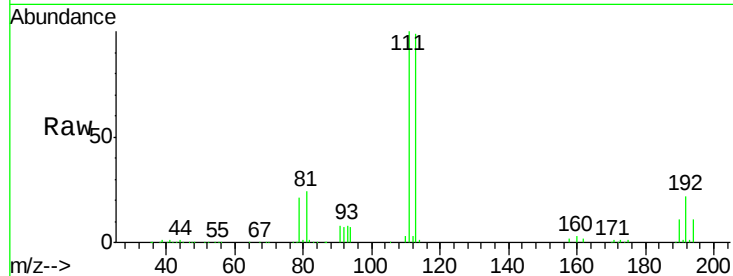
Tot Ion:113 Resp: 122477

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

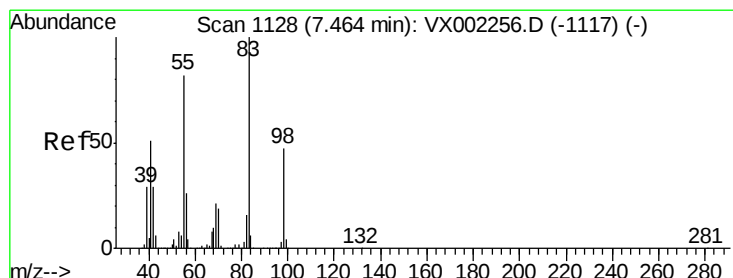
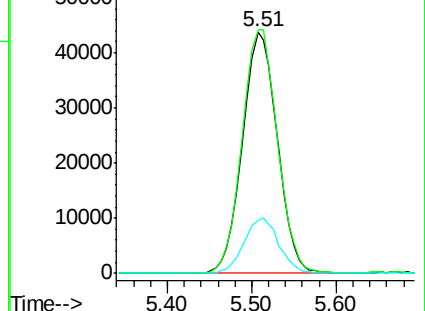
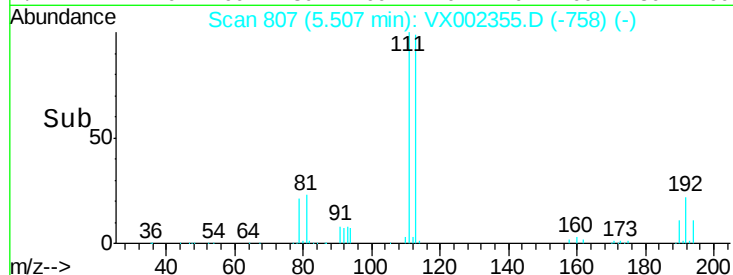
192 22.8 19.1 28.7



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



#39

Methylcyclohexane

Concen: 60.73 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

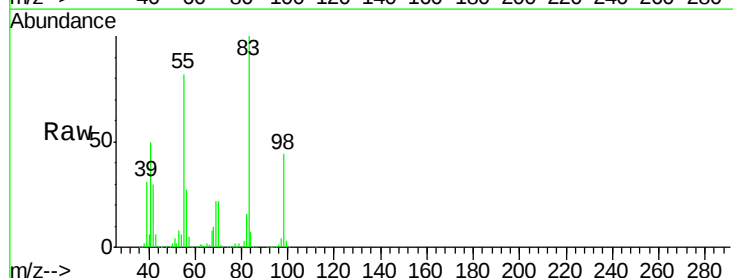
Tgt Ion: 83 Resp: 272941

Ion Ratio Lower Upper

83 100

55 81.6 65.4 98.0

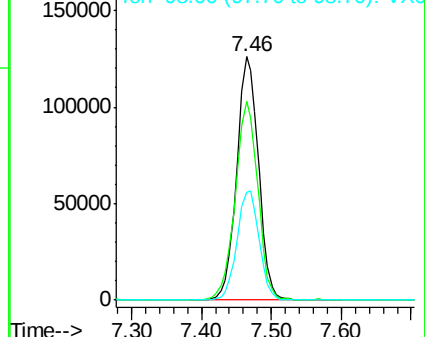
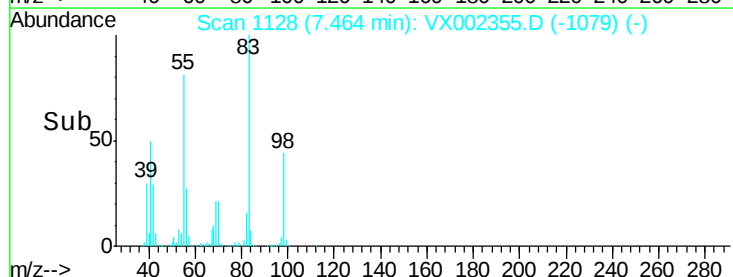
98 44.1 37.4 56.0

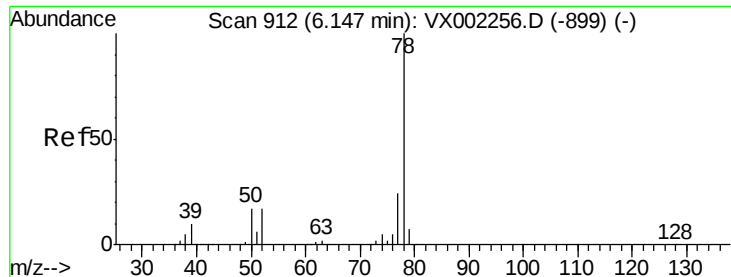


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 6.45 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

ClientSampled :

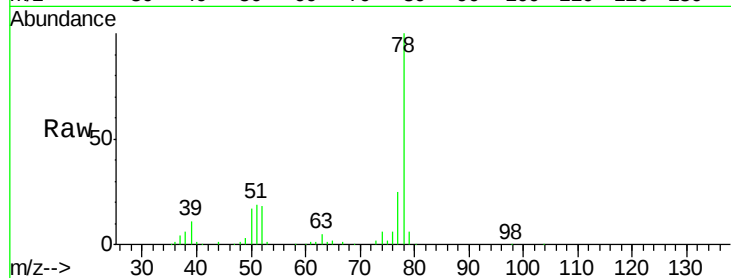
MW-03

Tot Ion: 78 Resp: 71849

Ion Ratio Lower Upper

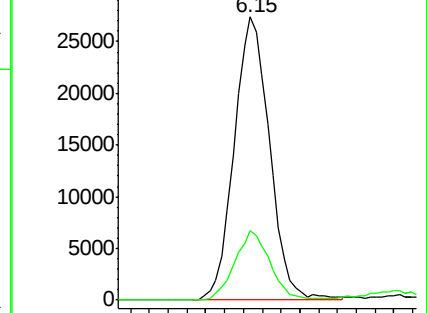
78 100

77 24.5 19.1 28.7

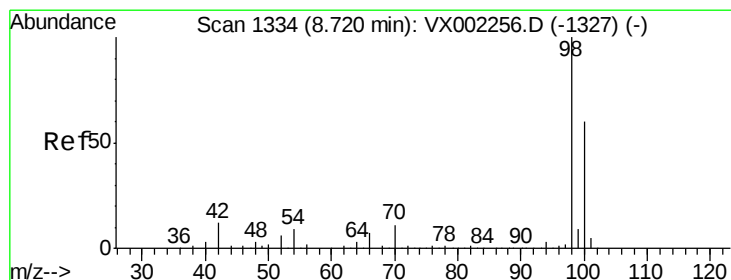
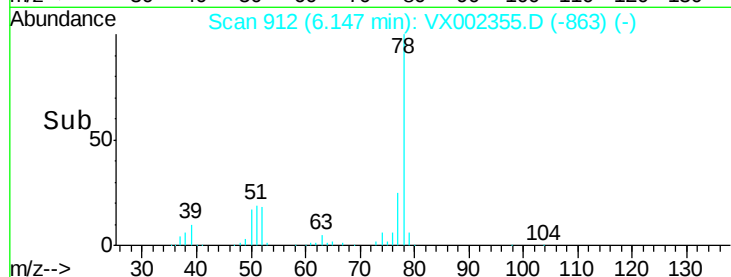


Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#50

Toluene-d8

Concen: 47.73 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002355.D

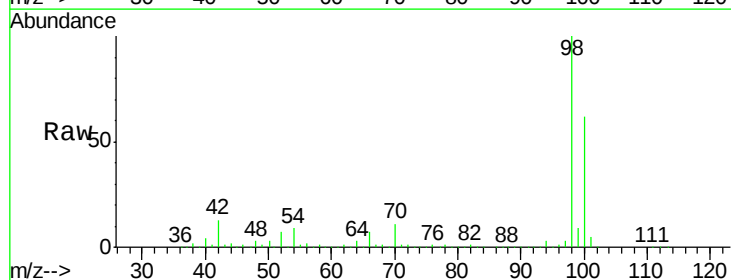
Acq: 06 Jun 2018 16:22

Tgt Ion: 98 Resp: 497437

Ion Ratio Lower Upper

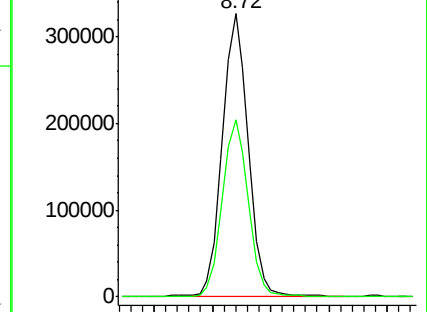
98 100

100 63.4 50.9 76.3

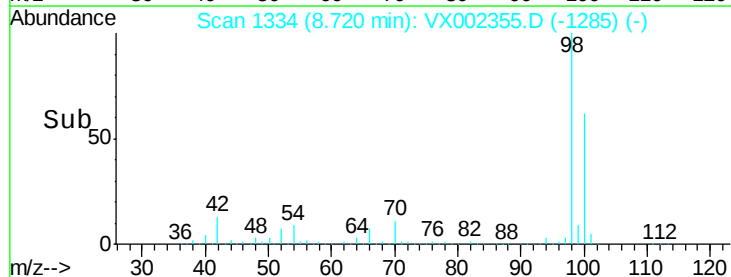


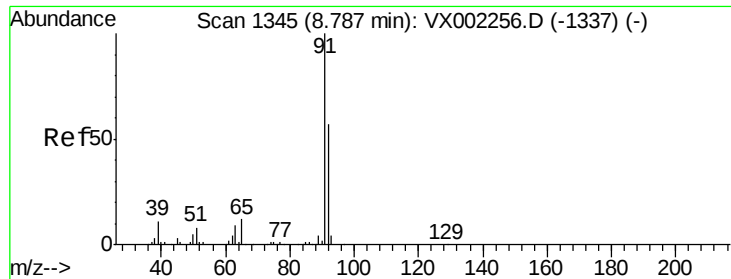
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#52

Toluene

Concen: 1.23 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

ClientSampled :

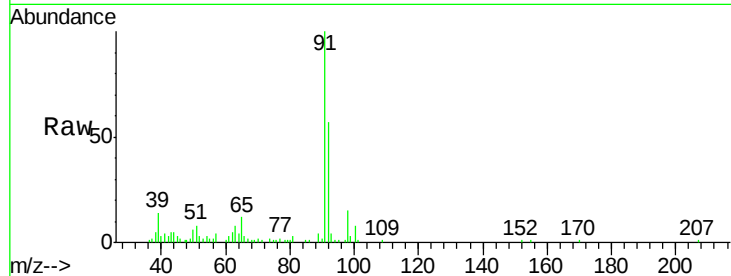
MW-03

Tot Ion: 92 Resp: 8742

Ion Ratio Lower Upper

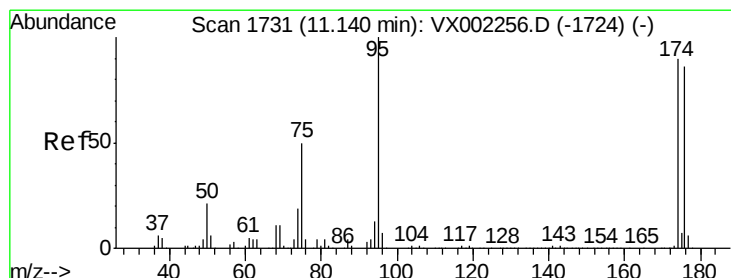
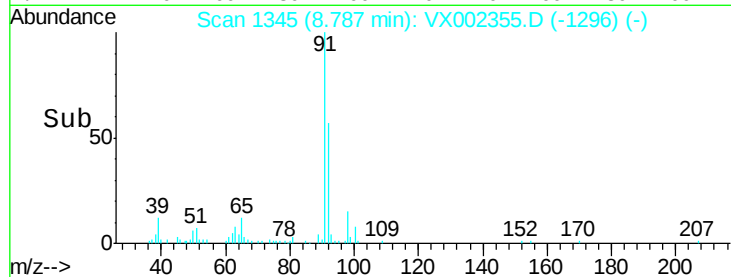
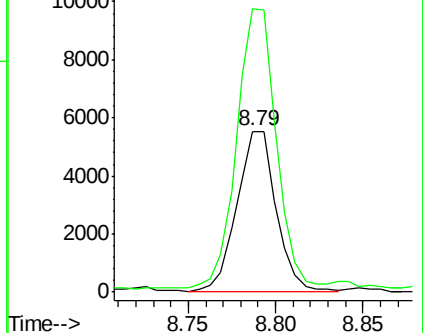
92 100

91 173.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

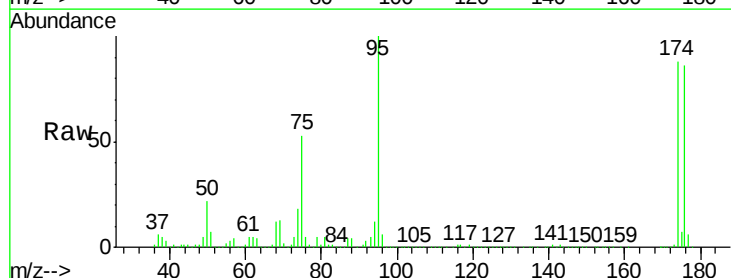
Tgt Ion: 95 Resp: 178182

Ion Ratio Lower Upper

95 100

174 92.3 0.0 187.4

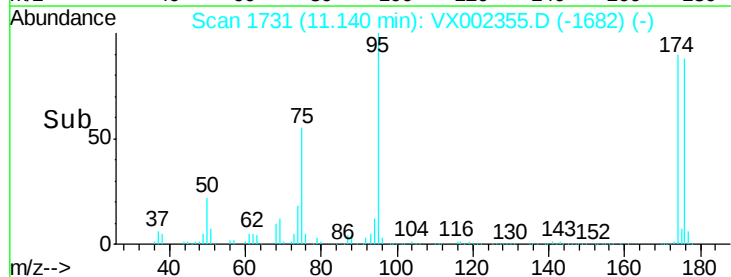
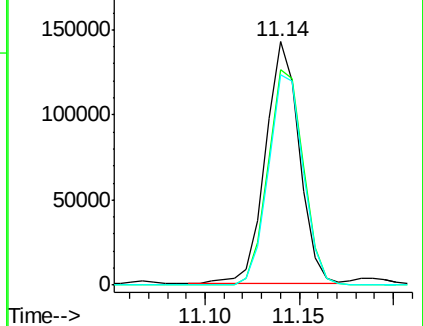
176 89.4 0.0 181.0

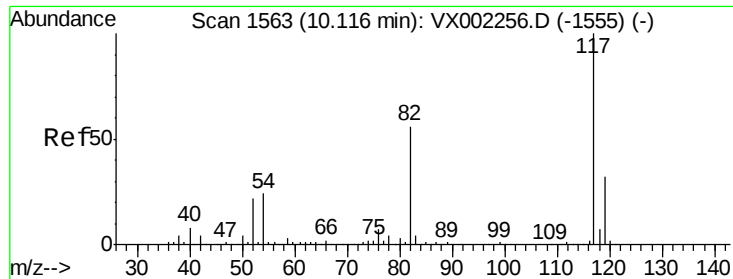


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

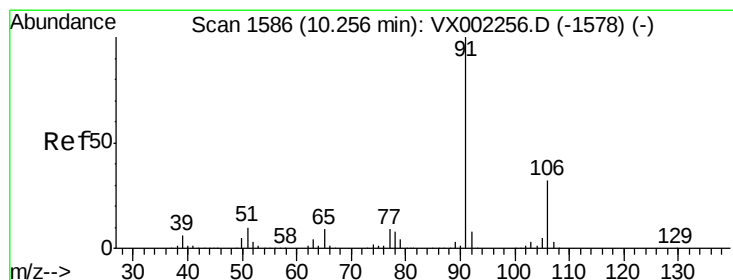
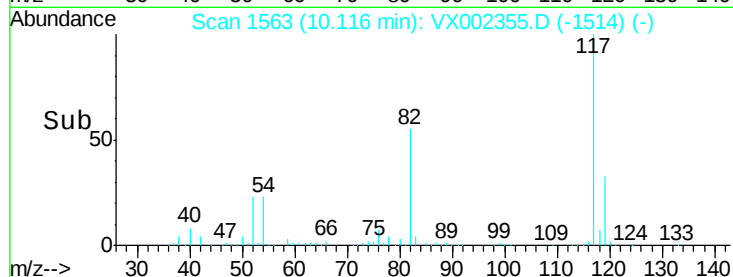
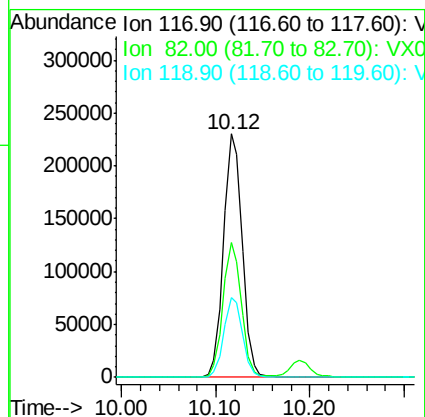
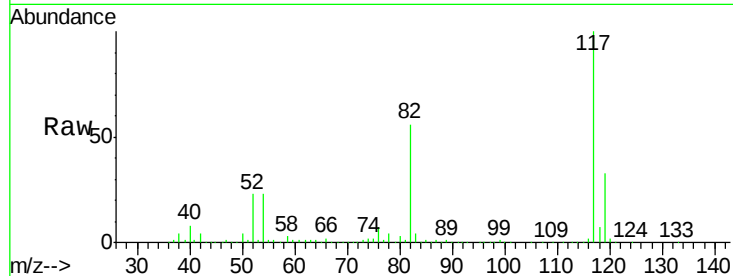




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

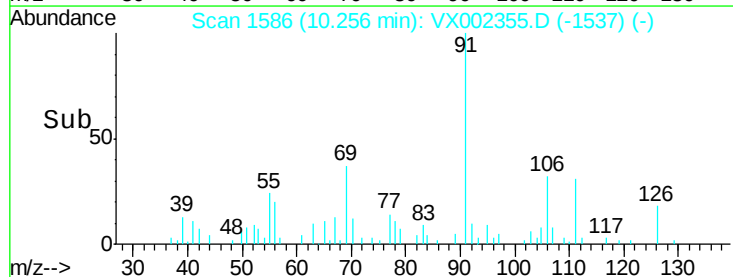
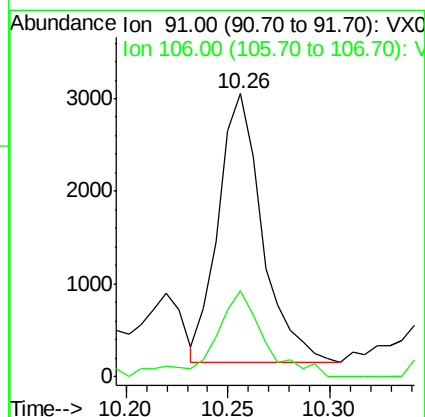
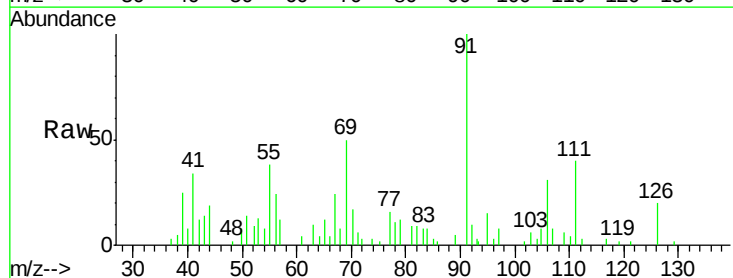
Instrument :
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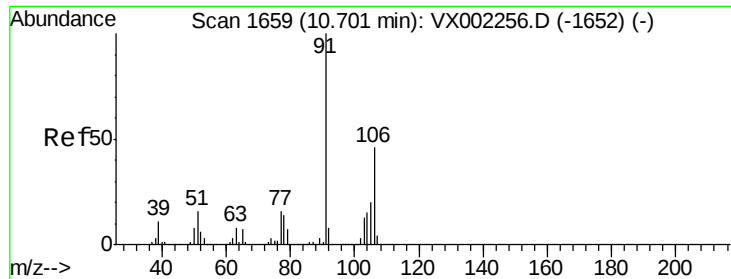
Tot Ion:117 Resp: 316544
Ion Ratio Lower Upper
117 100
82 55.4 45.0 67.4
119 33.0 25.8 38.6



#67
Ethyl Benzene
Concen: 0.33 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Tgt Ion: 91 Resp: 4332
Ion Ratio Lower Upper
91 100
106 32.2 25.5 38.3

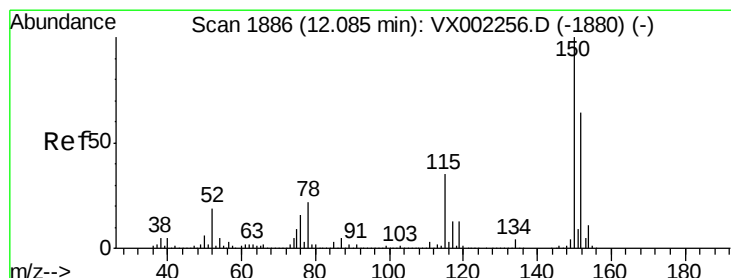
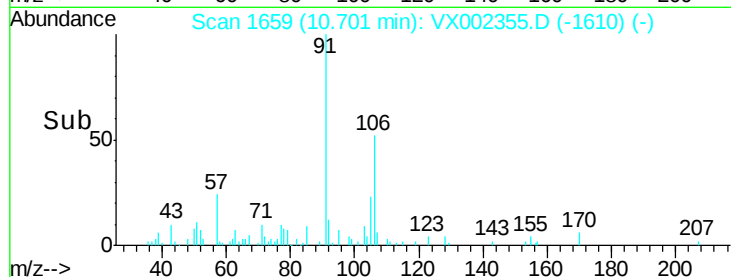
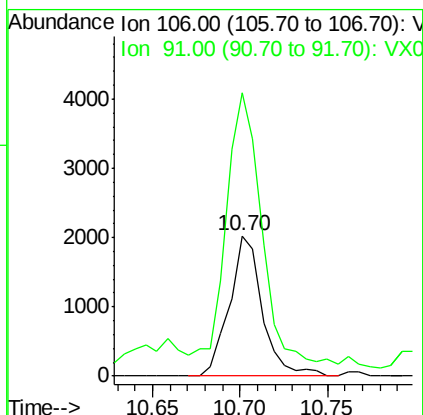
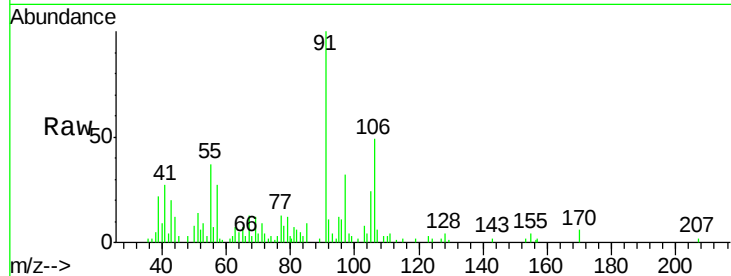




#69
o-Xylene
Concen: 0.52 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

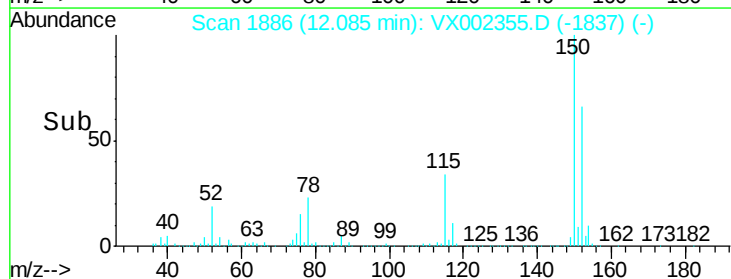
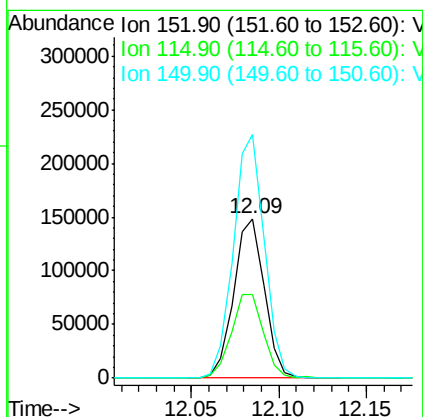
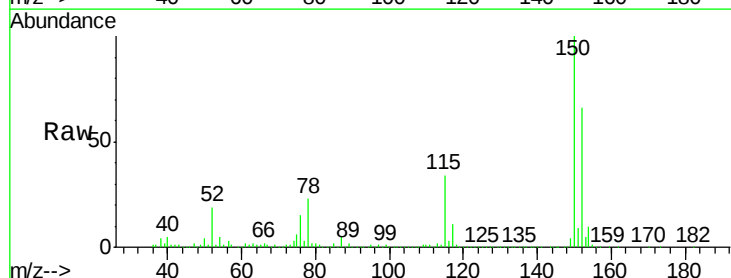
Instrument :
MSVOA_X
ClientSampled :
MW-03

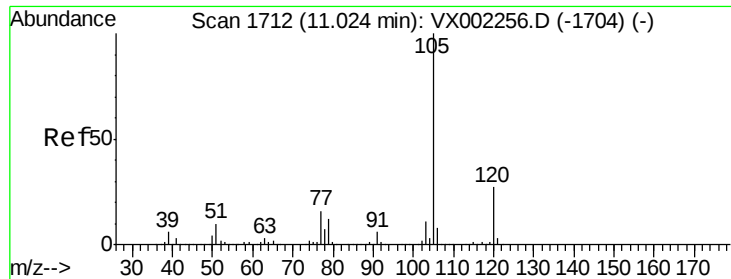
Tot Ion:106 Resp: 2659
Ion Ratio Lower Upper
106 100
91 216.8 108.2 324.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002355.D
Acq: 06 Jun 2018 16:22

Tgt Ion:152 Resp: 180862
Ion Ratio Lower Upper
152 100
115 54.4 40.1 120.2
150 154.5 0.0 347.2





#73

Isopropylbenzene

Concen: 23.85 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

ClientSampled :

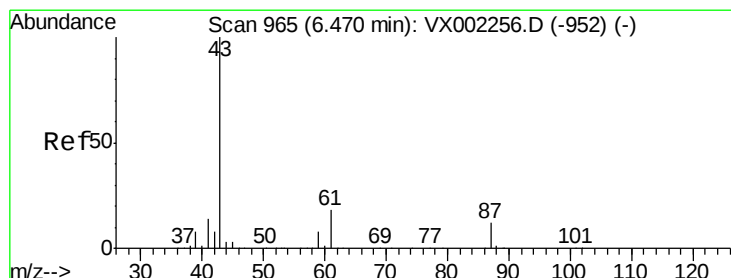
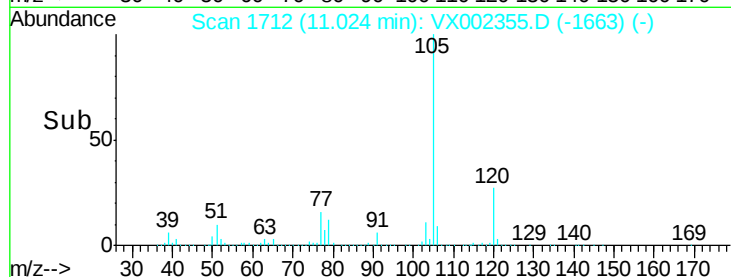
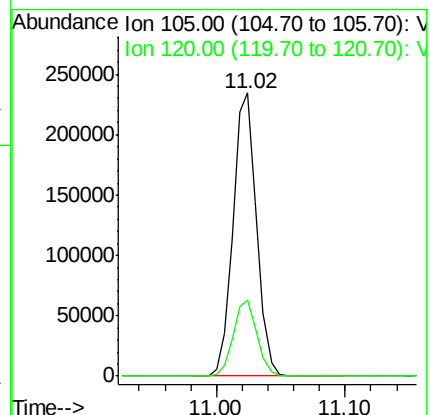
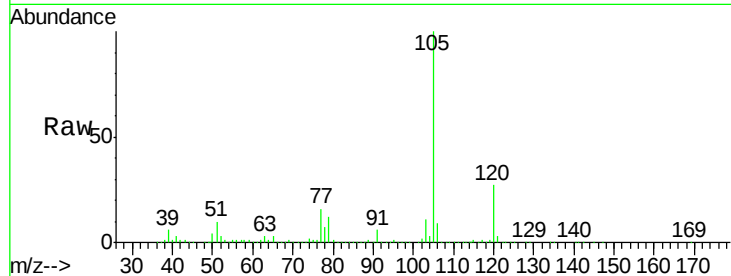
MW-03

Tot Ion:105 Resp: 300014

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



#74

N-ethyl acetate

Concen: 1.06 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Tgt Ion: 43 Resp: 7216

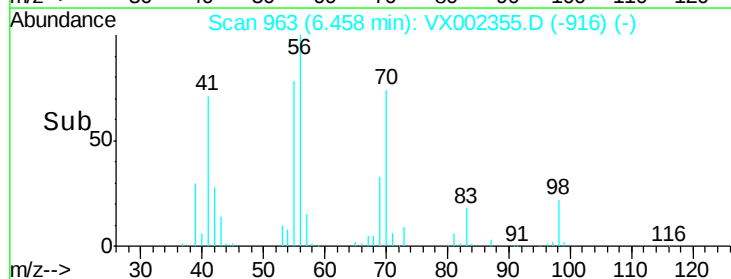
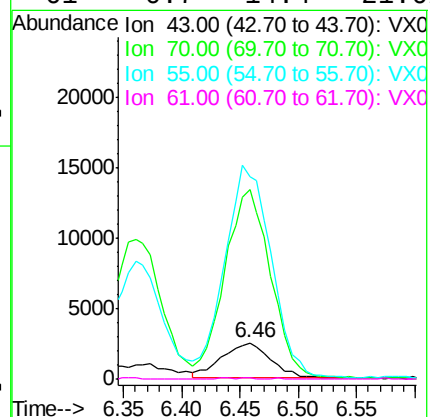
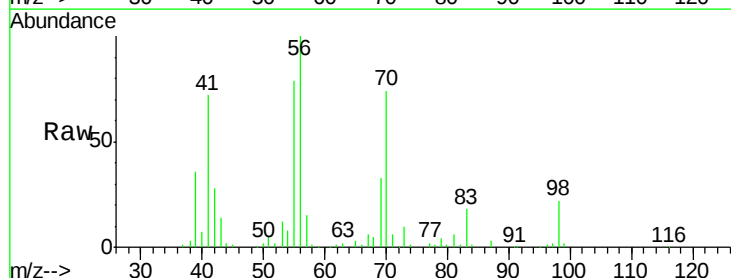
Ion Ratio Lower Upper

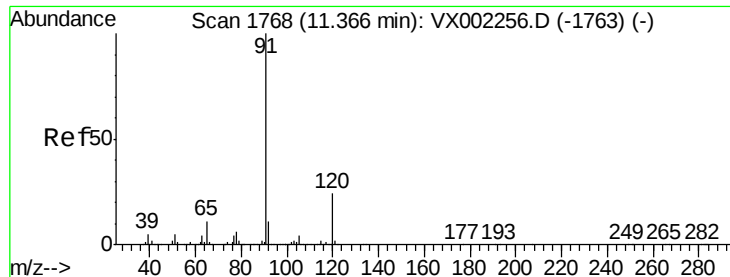
43 100

70 506.7 0.0 0.0#

55 574.3 0.0 0.0#

61 0.7 14.4 21.6#





#78

n-propylbenzene

Concen: 34.88 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

ClientSampled :

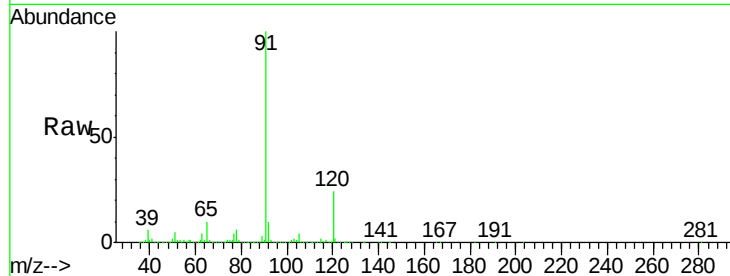
MW-03

Tot Ion: 91 Resp: 487796

Ion Ratio Lower Upper

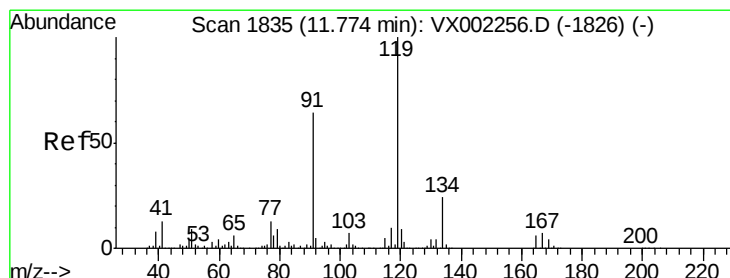
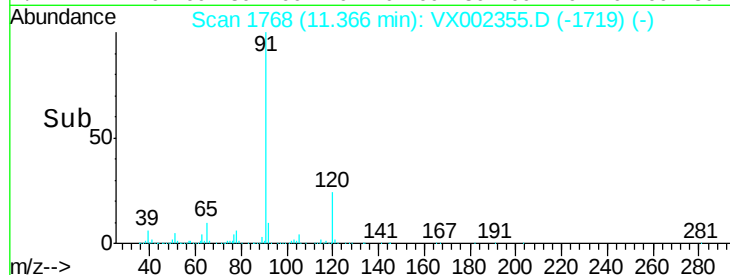
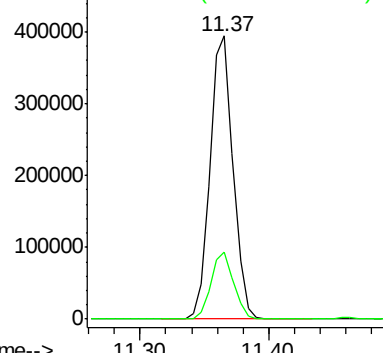
91 100

120 23.3 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: 2.58 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

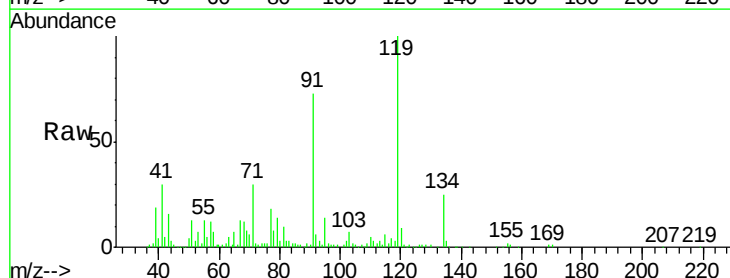
Tgt Ion: 119 Resp: 27146

Ion Ratio Lower Upper

119 100

91 67.7 30.3 90.9

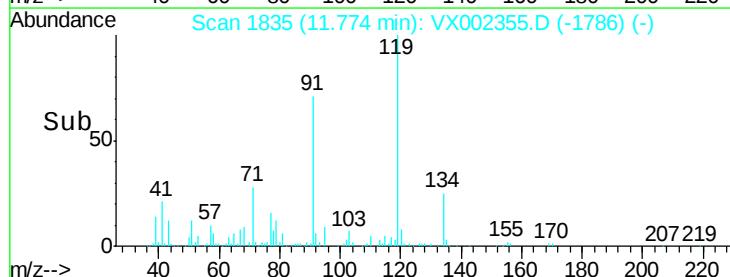
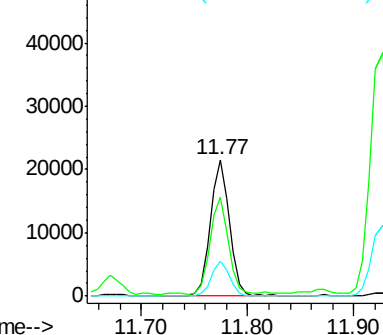
134 25.0 11.7 35.1

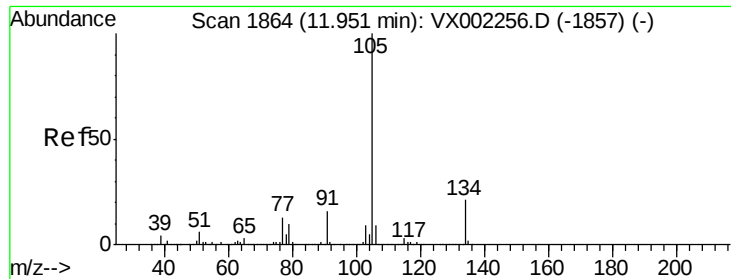


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





#85

sec-Butylbenzene

Concen: 13.07 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

Instrument :

MSVOA_X

ClientSampled :

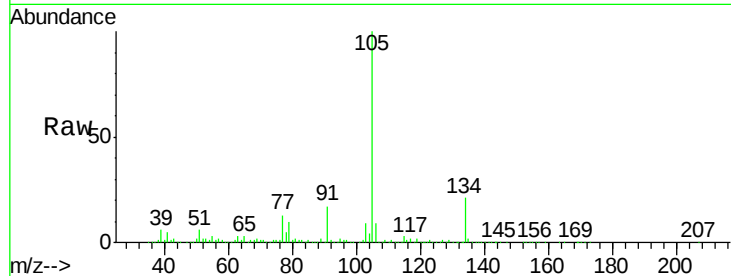
MW-03

Tot Ion:105 Resp: 161017

Ion Ratio Lower Upper

105 100

134 28.5 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

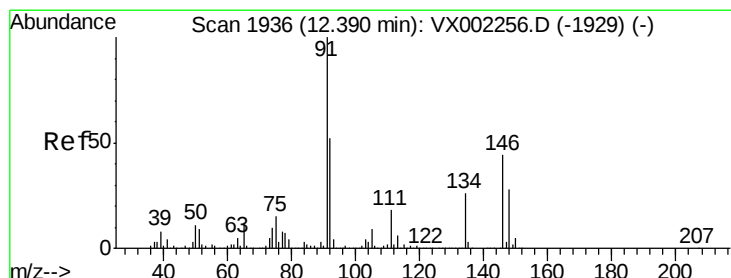
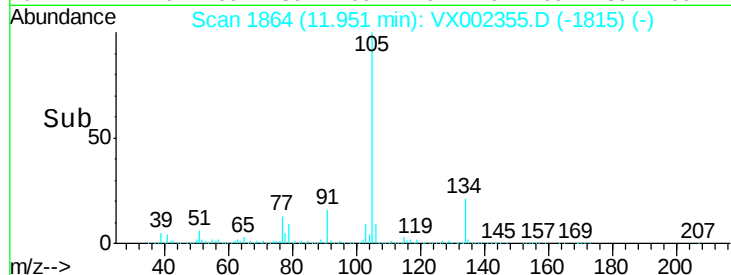
150000

100000

50000

0

Time-->



#89

n-Butylbenzene

Concen: 9.90 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002355.D

Acq: 06 Jun 2018 16:22

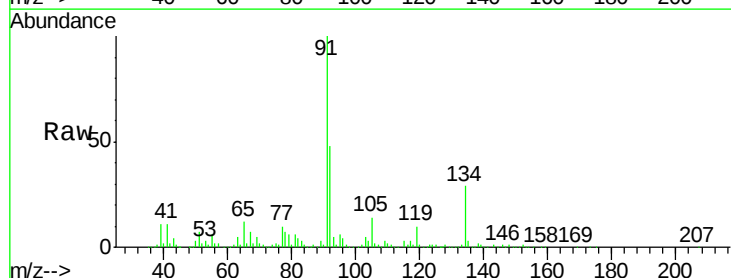
Tgt Ion: 91 Resp: 93129

Ion Ratio Lower Upper

91 100

92 40.9 26.0 78.0

134 56.8 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

150000

100000

50000

0

Time-->

