

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060618\
 Data File : VX002362.D
 Acq On : 06 Jun 2018 19:29
 Operator : JC/MD
 Sample : J3312-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PW-01

Quant Time: Jun 07 05:01:09 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	235786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	352117	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	185095	50.00	ug/l	0.00

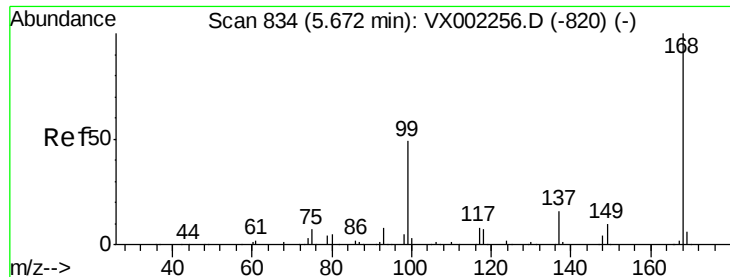
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	163672	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
35) Dibromofluoromethane	5.51	113	122757	44.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.66%	
50) Toluene-d8	8.72	98	499325	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
62) 4-Bromofluorobenzene	11.14	95	179950	43.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.94%	

Target Compounds

						Qvalue
31) Cyclohexane	5.58	56	75373	17.70	ug/l	96
39) Methylcyclohexane	7.46	83	82238	18.15	ug/l	98
40) Benzene	6.15	78	8762	0.77	ug/l	99
52) Toluene	8.79	92	196404	27.21	ug/l	99
65) Chlorobenzene	10.14	112	70868	8.77	ug/l	99
67) Ethyl Benzene	10.26	91	9363	0.69	ug/l	94
68) m/p-Xylenes	10.37	106	77092	14.67	ug/l	99
69) o-Xylene	10.70	106	11776	2.25	ug/l	97
73) Isopropylbenzene	11.02	105	125115	9.72	ug/l	100
78) n-propylbenzene	11.37	91	159071	11.11	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	27851	2.52	ug/l	100
83) tert-Butylbenzene	11.77	119	23734	2.21	ug/l	93
84) 1,2,4-Trimethylbenzene	11.81	105	8531	0.75	ug/l	99
85) sec-Butylbenzene	11.95	105	118029	9.36	ug/l	82
89) n-Butylbenzene	12.39	91	58126	6.03	ug/l #	68
91) 1,2-Dichlorobenzene	12.40	146	3388	0.51	ug/l	88

(#) = 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

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MSVOA_X

ClientSampleId :

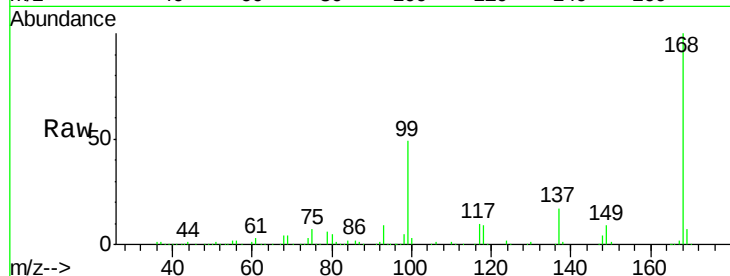
PW-01

Tot Ion:168 Resp: 235786

Ion Ratio Lower Upper

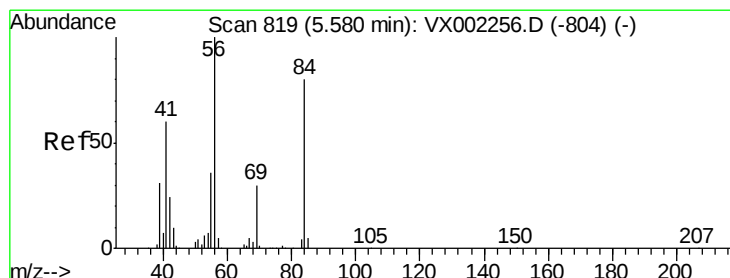
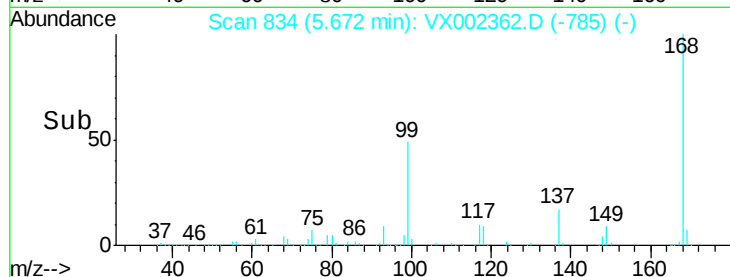
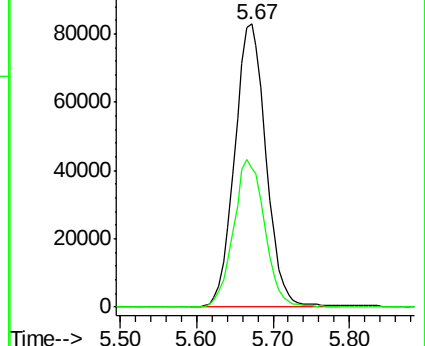
168 100

99 49.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 17.70 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002362.D

Acq: 06 Jun 2018 19:29

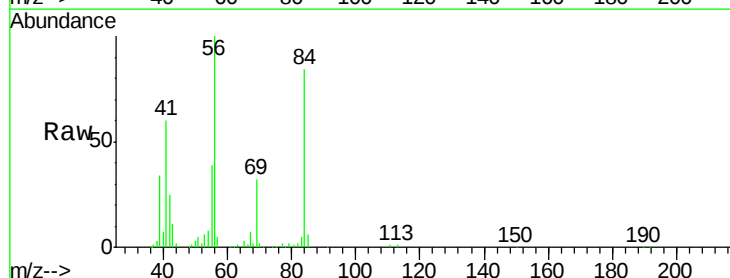
Tgt Ion: 56 Resp: 75373

Ion Ratio Lower Upper

56 100

69 30.4 23.7 35.5

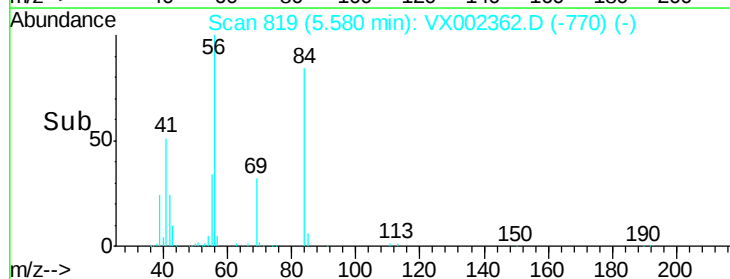
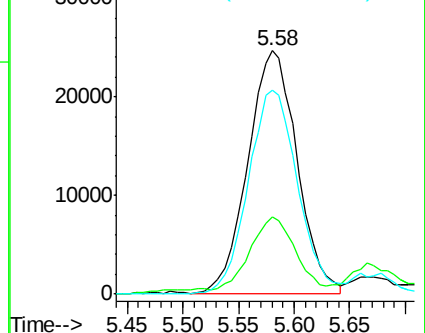
84 83.9 64.1 96.1

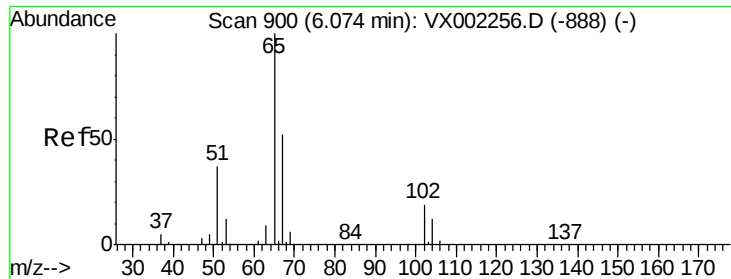


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

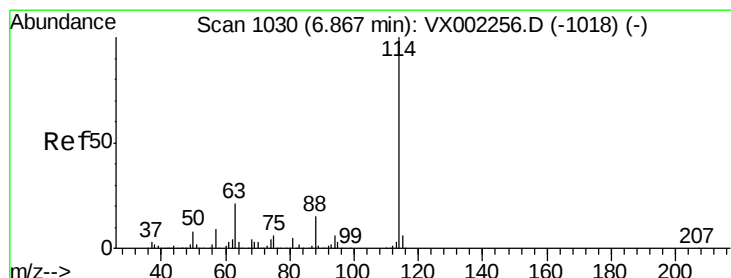
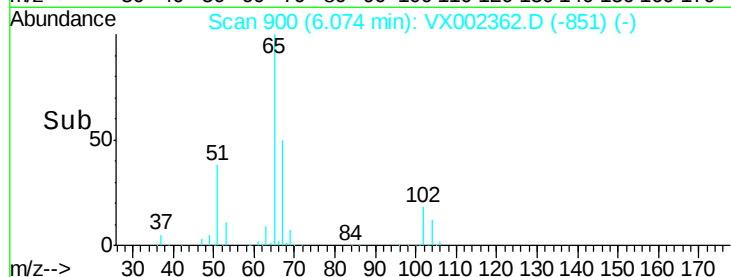
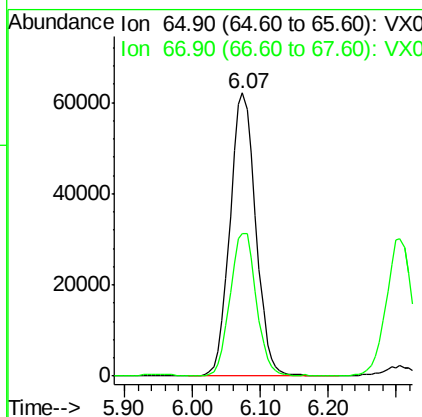
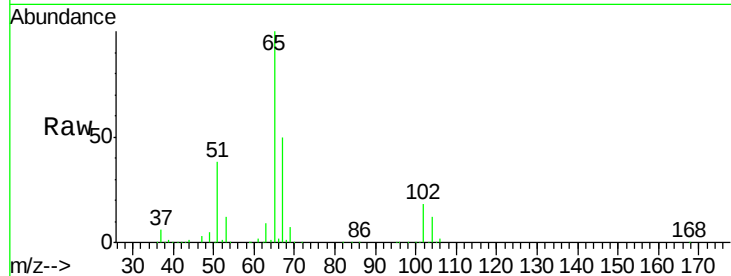




#33
 1,2-Dichloroethane-d4
 Concen: 48.43 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002362.D
 Acq: 06 Jun 2018 19:29

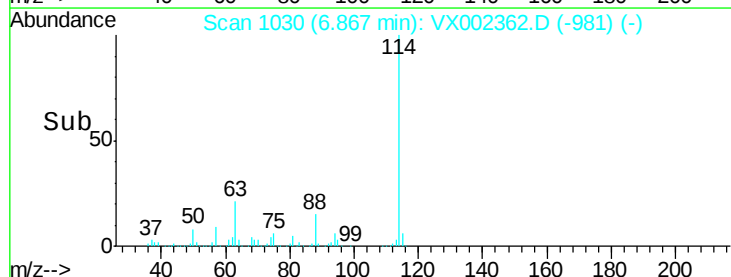
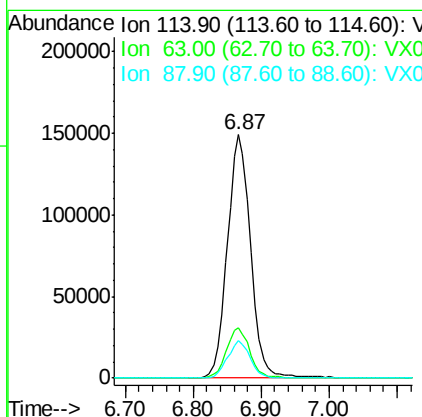
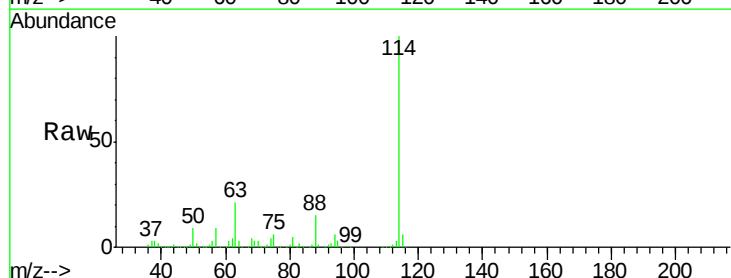
Instrument :
 MSVOA_X
 ClientSampleId :
 PW-01

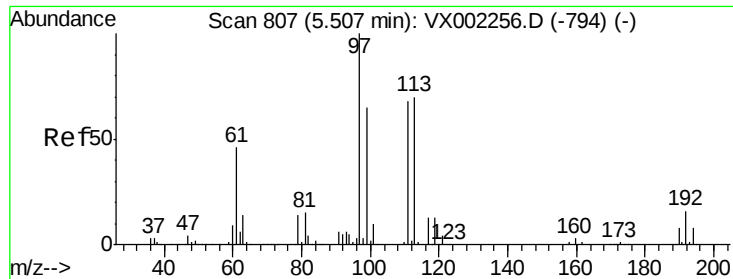
Tot Ion: 65 Resp: 163672
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002362.D
 Acq: 06 Jun 2018 19:29

Tgt Ion: 114 Resp: 352117
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.4
 88 15.2 0.0 30.0

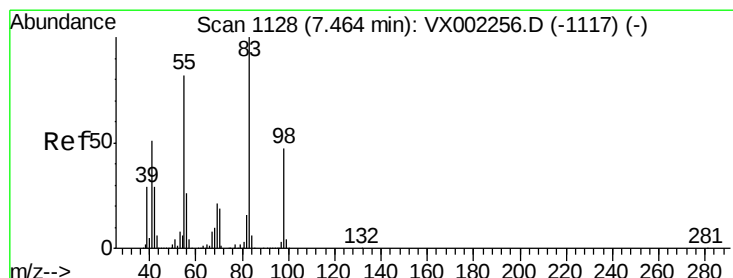
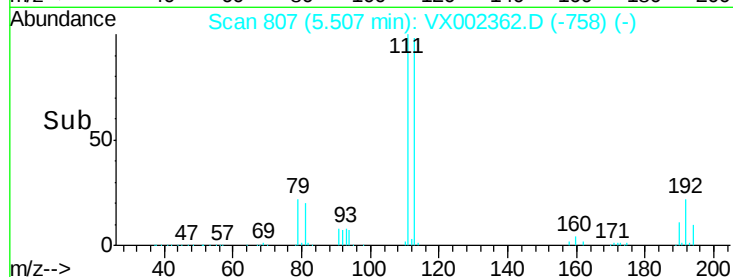
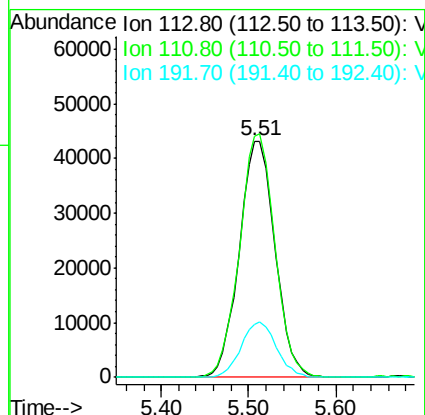
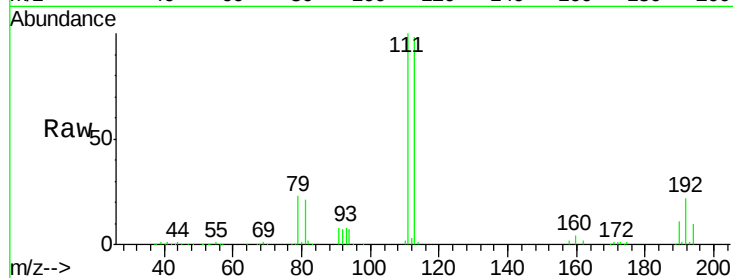




#35
 Dibromofluoromethane
 Concen: 44.33 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002362.D
 Acq: 06 Jun 2018 19:29

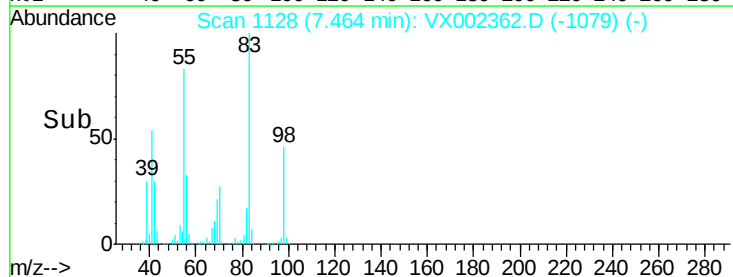
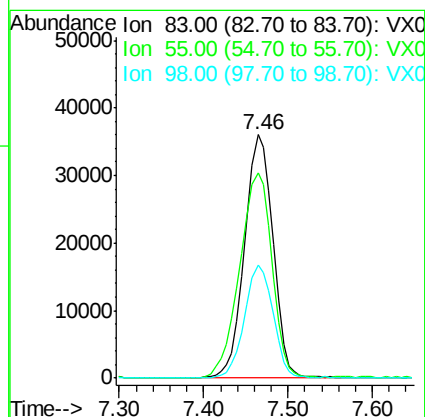
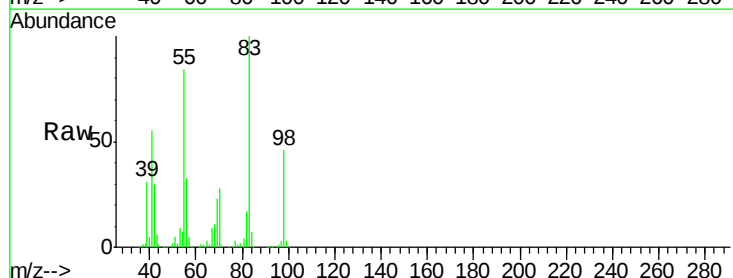
Instrument :
 MSVOA_X
 ClientSampleId :
 PW-01

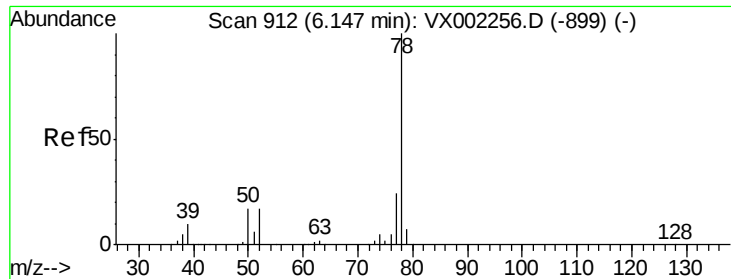
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.0
192	23.2	19.1	28.7



#39
 Methylcyclohexane
 Concen: 18.15 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX002362.D
 Acq: 06 Jun 2018 19:29

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.0	65.4	98.0
98	46.5	37.4	56.0

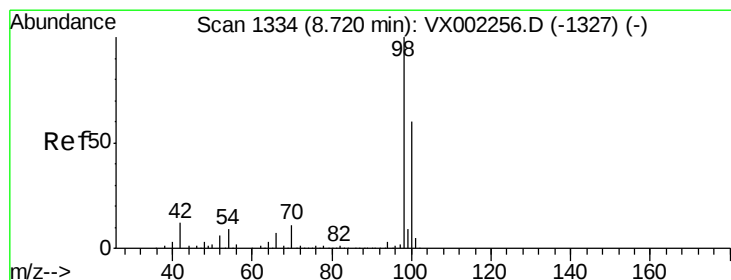
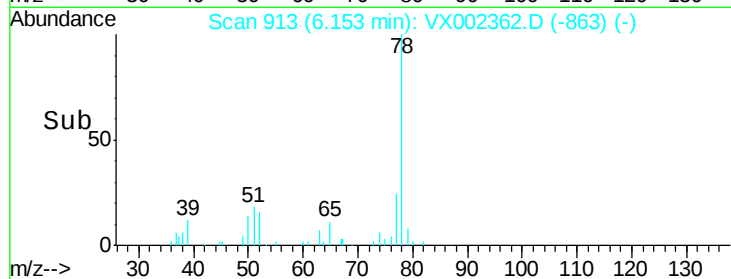
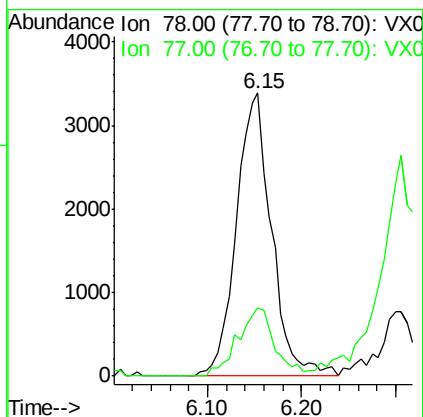
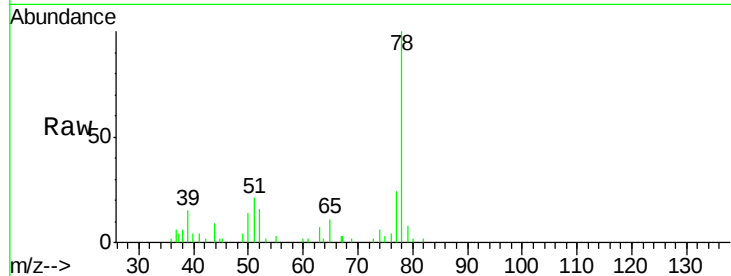




#40
Benzene
Concen: 0.77 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX002362.D
Acq: 06 Jun 2018 19:29

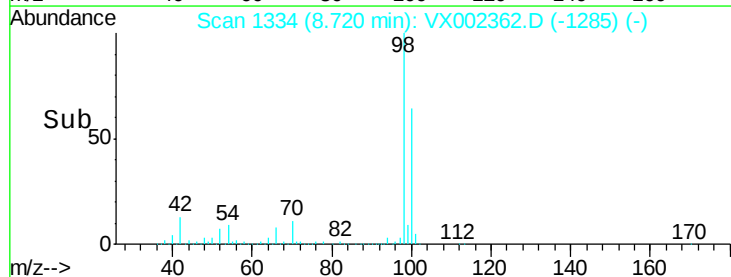
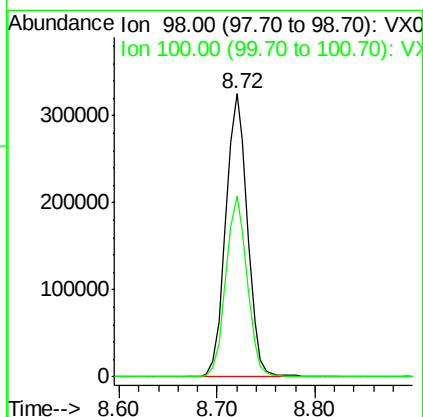
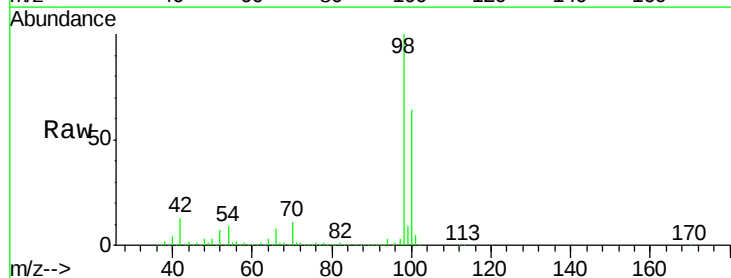
Instrument :
MSVOA_X
ClientSampleId :
PW-01

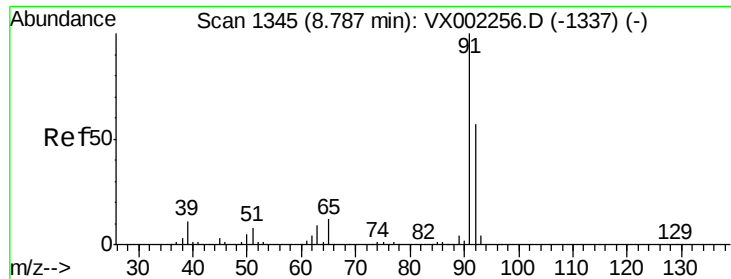
Tot Ion: 78 Resp: 8762
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7



#50
Toluene-d8
Concen: 47.05 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002362.D
Acq: 06 Jun 2018 19:29

Tgt Ion: 98 Resp: 499325
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3





#52

Toluene

Concen: 27.21 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002362.D

Acq: 06 Jun 2018 19:29

Instrument :

MSVOA_X

ClientSampled :

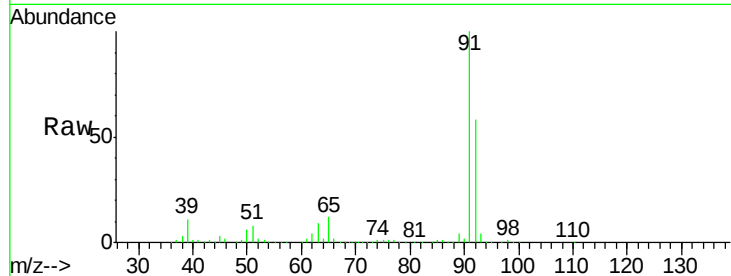
PW-01

Tot Ion: 92 Resp: 196404

Ion Ratio Lower Upper

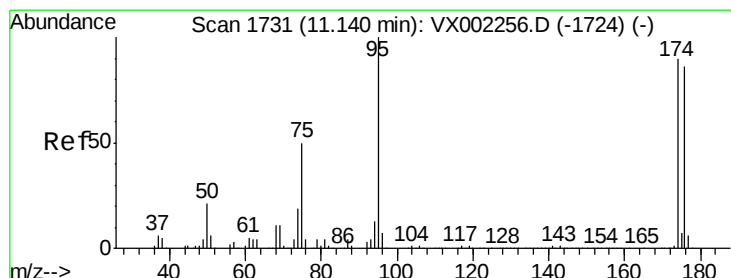
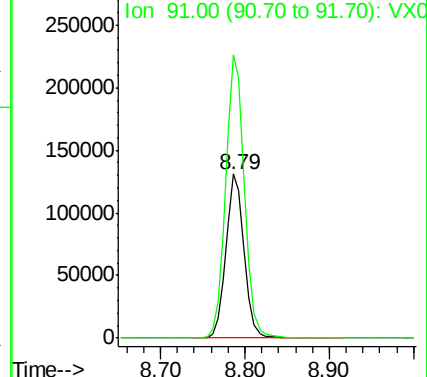
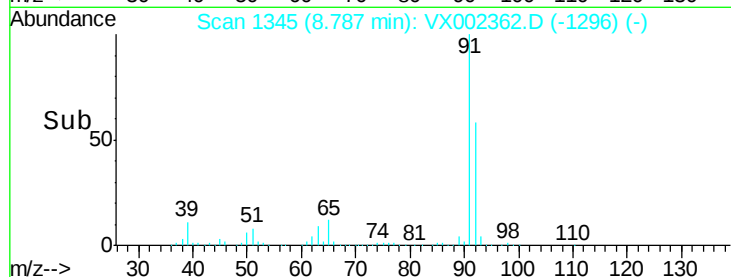
92 100

91 177.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.97 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002362.D

Acq: 06 Jun 2018 19:29

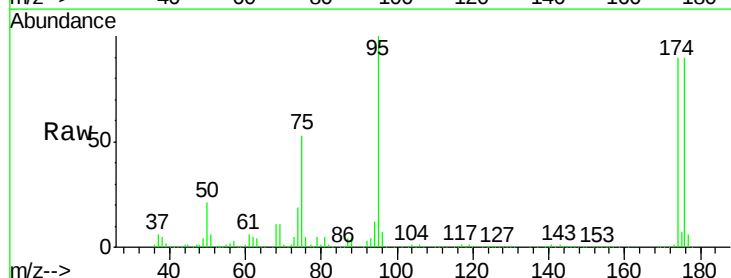
Tgt Ion: 95 Resp: 179950

Ion Ratio Lower Upper

95 100

174 93.1 0.0 187.4

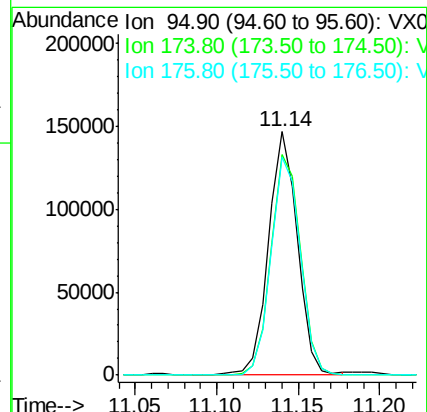
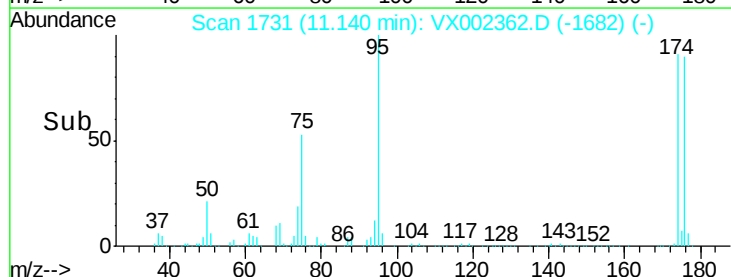
176 91.1 0.0 181.0

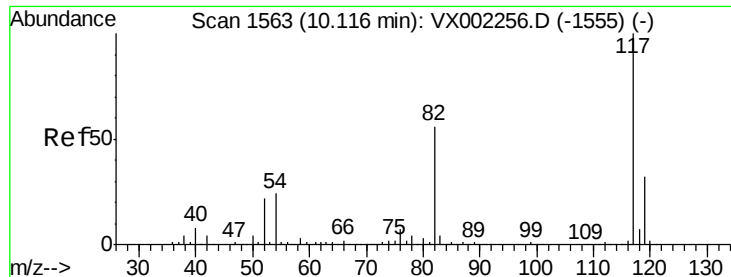


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

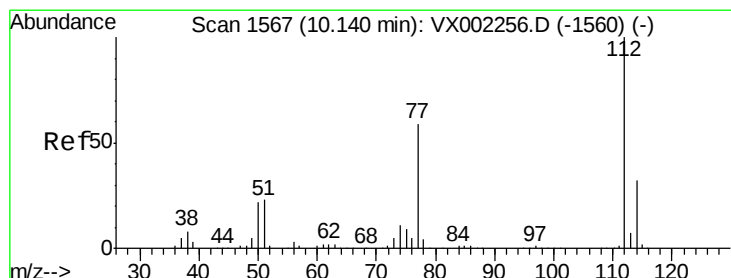
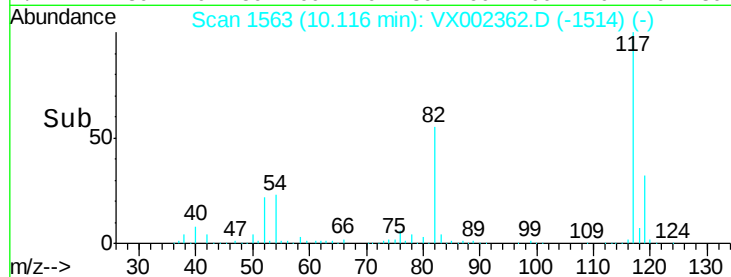
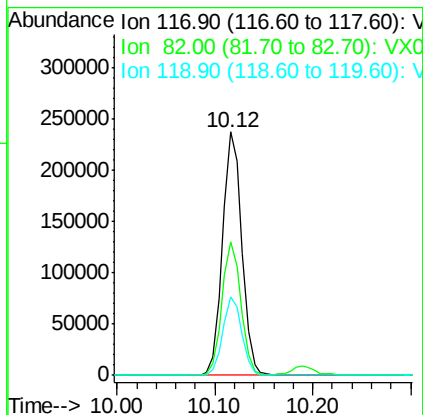
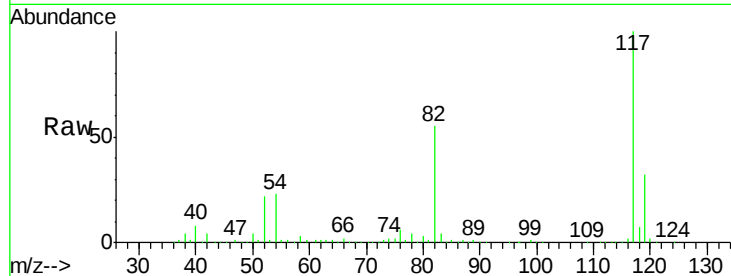




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002362.D
Acq: 06 Jun 2018 19:29

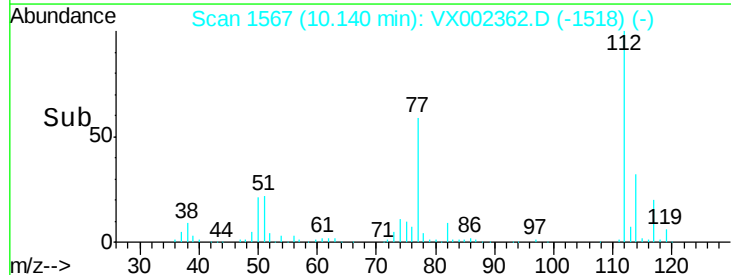
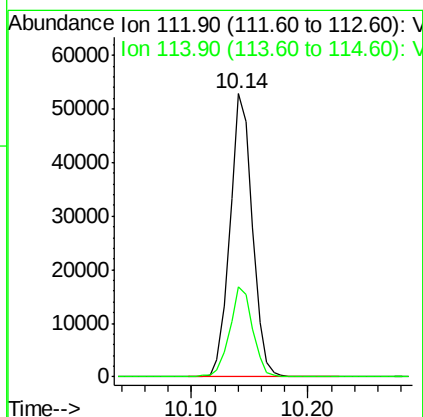
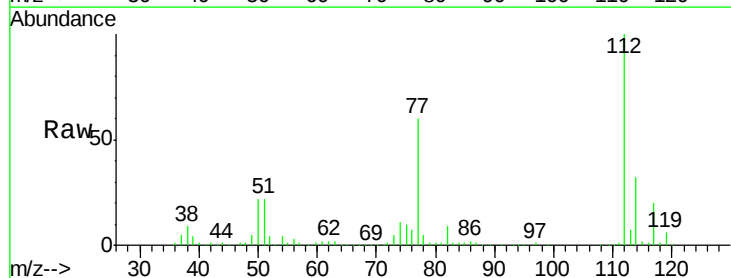
Instrument :
MSVOA_X
ClientSampleId :
PW-01

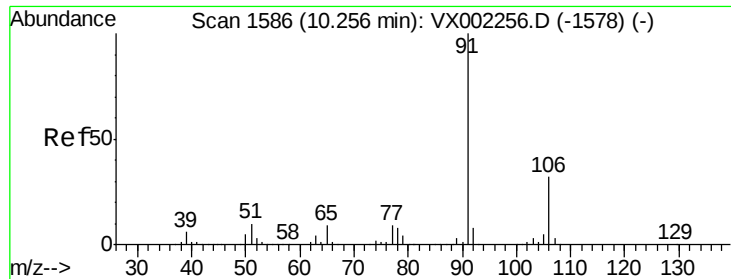
Tot Ion:117 Resp: 324641
Ion Ratio Lower Upper
117 100
82 54.8 45.0 67.4
119 32.3 25.8 38.6



#65
Chlorobenzene
Concen: 8.77 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002362.D
Acq: 06 Jun 2018 19:29

Tgt Ion:112 Resp: 70868
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

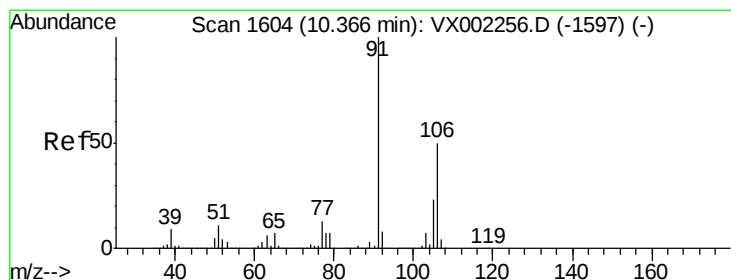
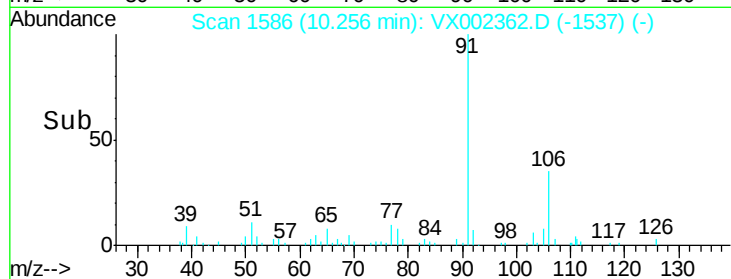
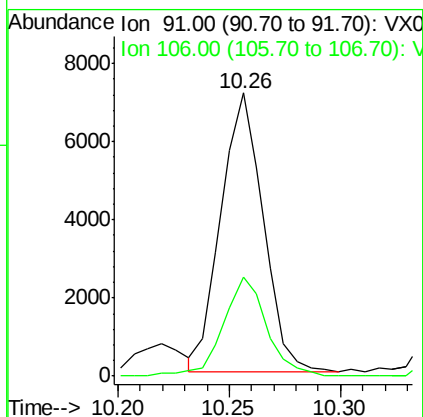
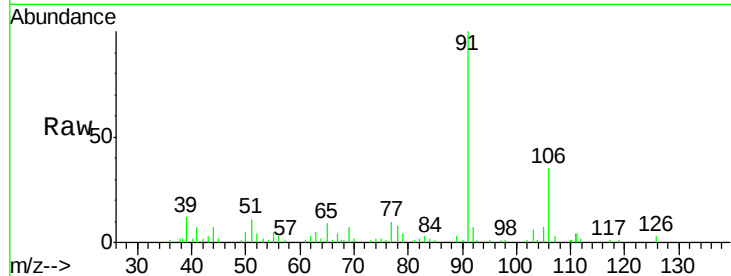




#67
Ethyl Benzene
Concen: 0.69 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002362.D
Acq: 06 Jun 2018 19:29

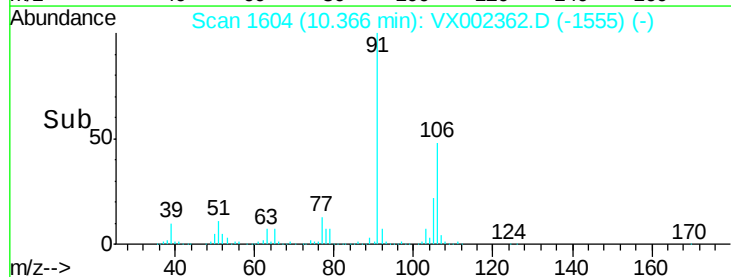
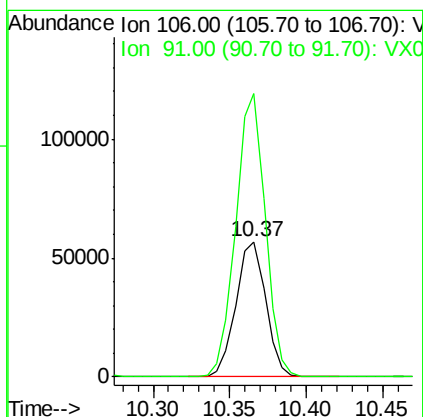
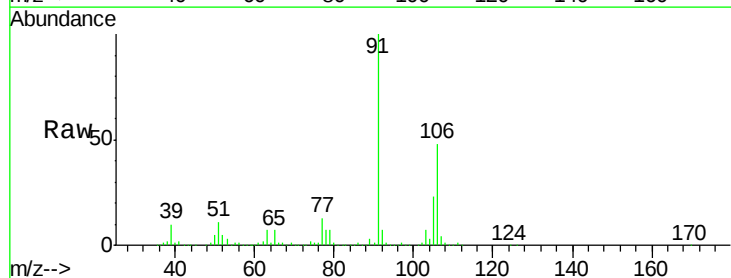
Instrument :
MSVOA_X
ClientSampled :
PW-01

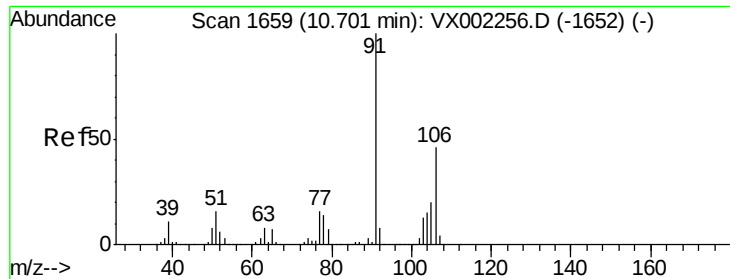
Tot Ion: 91 Resp: 9363
Ion Ratio Lower Upper
91 100
106 35.5 25.5 38.3



#68
m/p-Xylenes
Concen: 14.67 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002362.D
Acq: 06 Jun 2018 19:29

Tgt Ion: 106 Resp: 77092
Ion Ratio Lower Upper
106 100
91 205.9 163.4 245.2

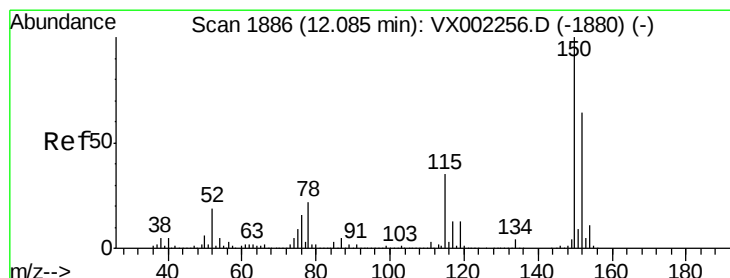
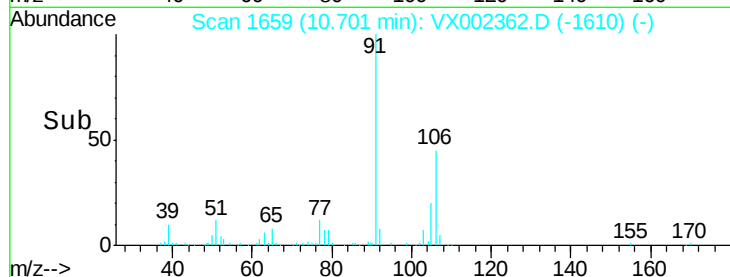
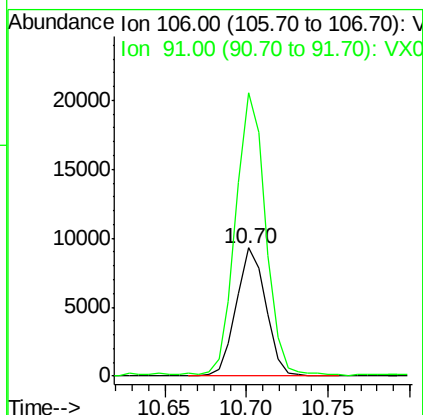
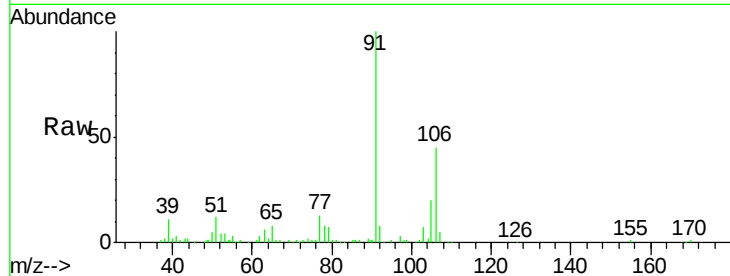




#69
o-Xylene
Concen: 2.25 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002362.D
Acq: 06 Jun 2018 19:29

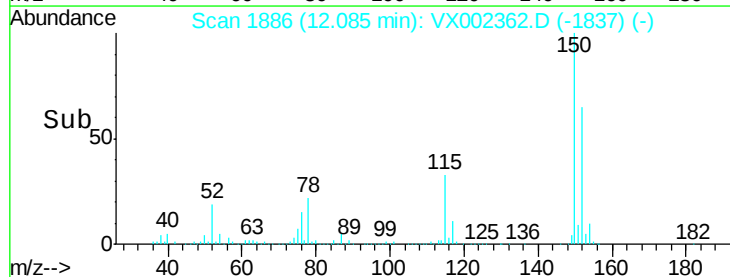
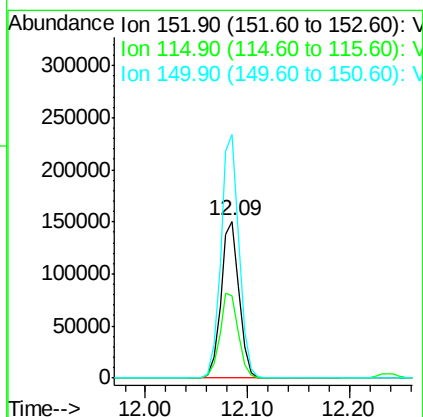
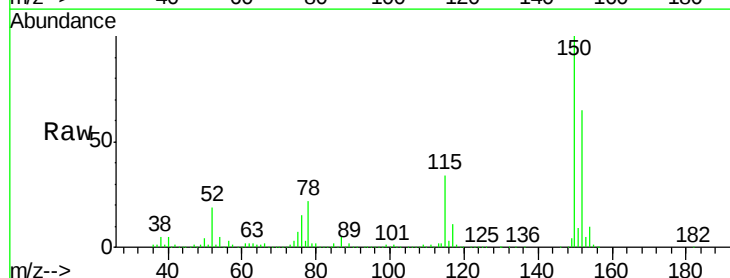
Instrument :
MSVOA_X
ClientSampleId :
PW-01

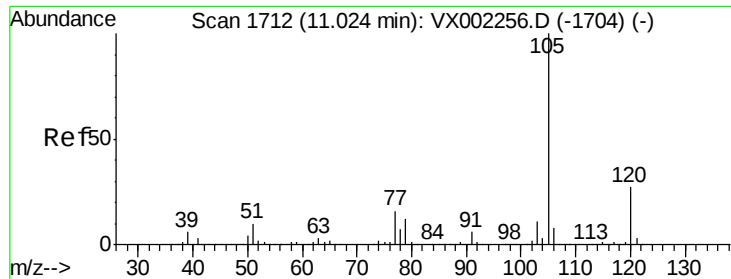
Tot Ion:106 Resp: 11776
Ion Ratio Lower Upper
106 100
91 222.0 108.2 324.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002362.D
Acq: 06 Jun 2018 19:29

Tgt Ion:152 Resp: 185095
Ion Ratio Lower Upper
152 100
115 55.1 40.1 120.2
150 156.6 0.0 347.2





#73

Isopropylbenzene

Concen: 9.72 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002362.D

Acq: 06 Jun 2018 19:29

Instrument :

MSVOA_X

ClientSampled :

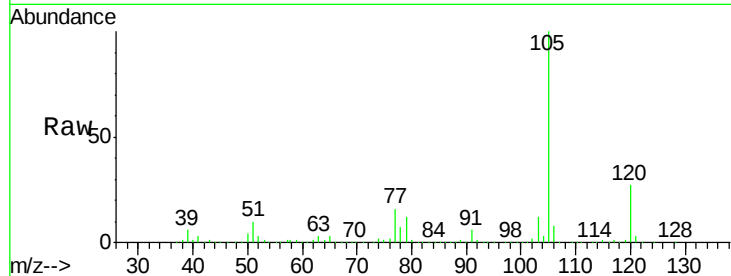
PW-01

Tot Ion:105 Resp: 125115

Ion Ratio Lower Upper

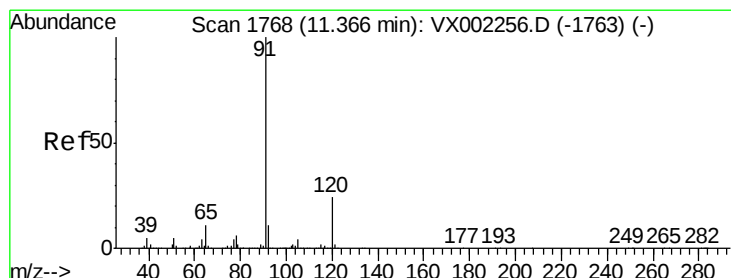
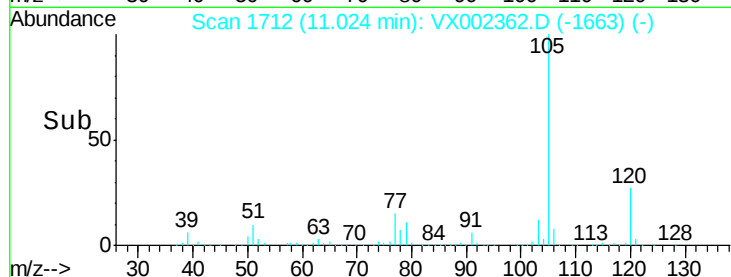
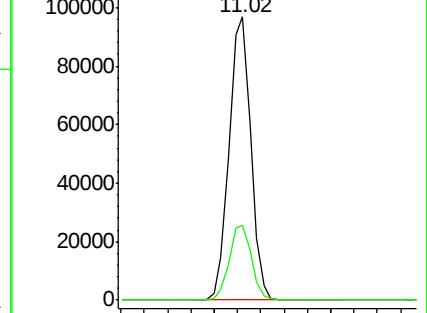
105 100

120 27.1 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: 11.11 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002362.D

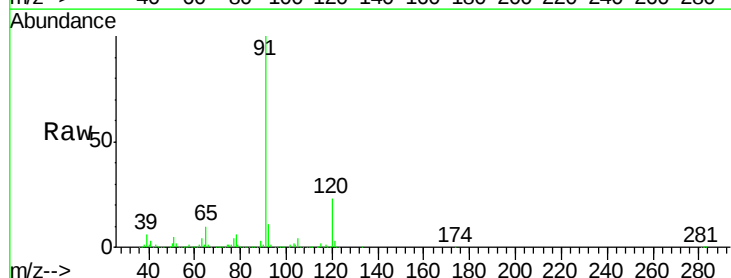
Acq: 06 Jun 2018 19:29

Tgt Ion: 91 Resp: 159071

Ion Ratio Lower Upper

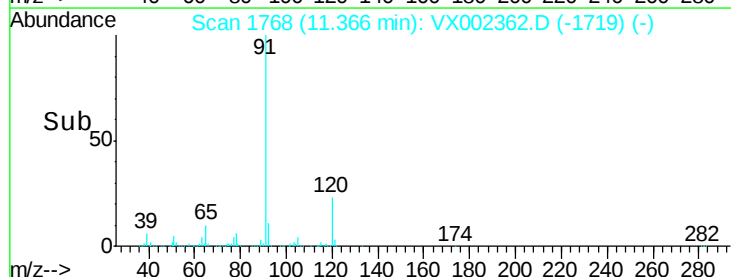
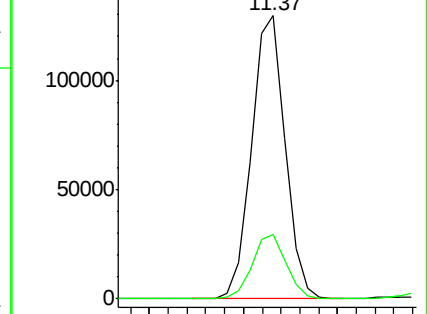
91 100

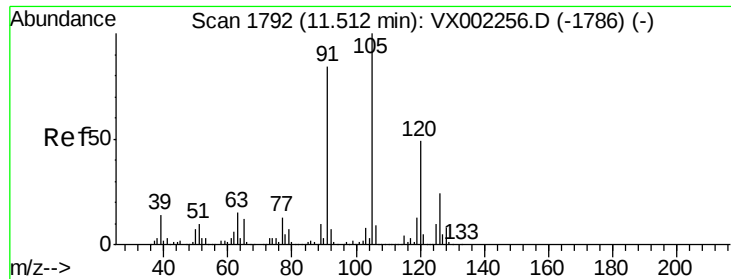
120 23.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

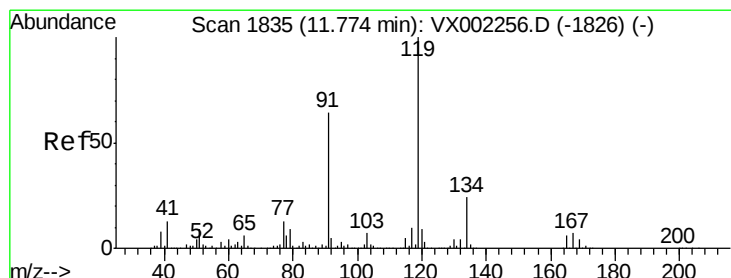
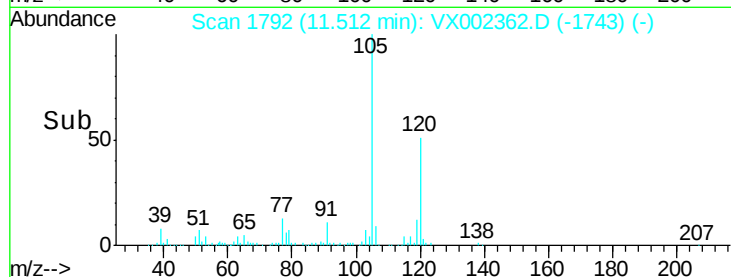
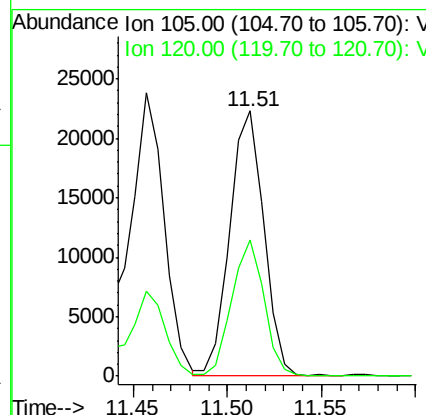
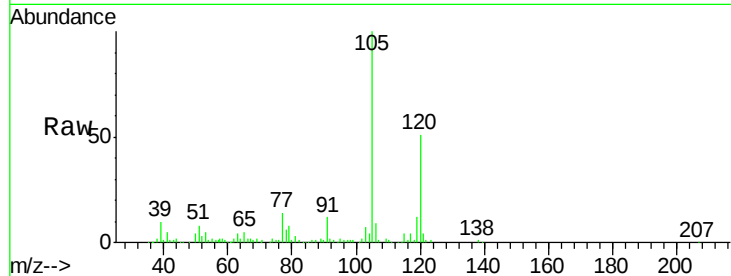




#80
 1,3,5-Trimethylbenzene
 Concen: 2.52 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002362.D
 Acq: 06 Jun 2018 19:29

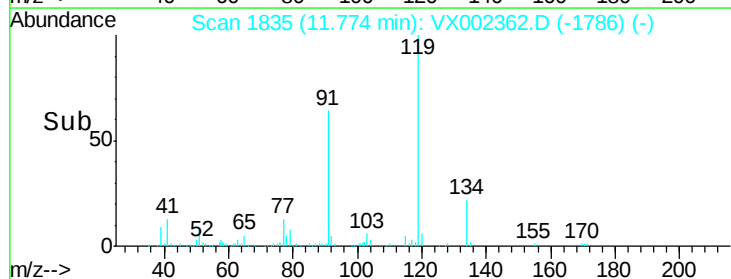
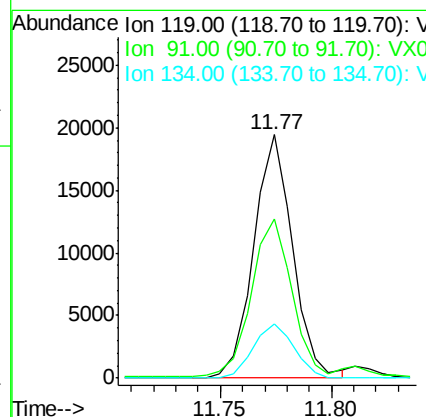
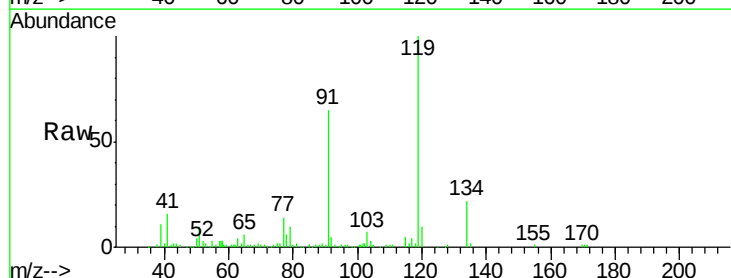
Instrument :
 MSVOA_X
 ClientSampled :
 PW-01

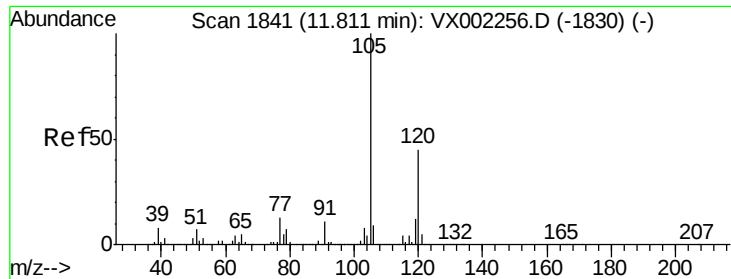
Tot Ion:105 Resp: 27851
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.4 73.4



#83
 tert-Butylbenzene
 Concen: 2.21 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002362.D
 Acq: 06 Jun 2018 19:29

Tgt Ion:119 Resp: 23734
 Ion Ratio Lower Upper
 119 100
 91 67.7 30.3 90.9
 134 23.2 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 0.75 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002362.D

Acq: 06 Jun 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

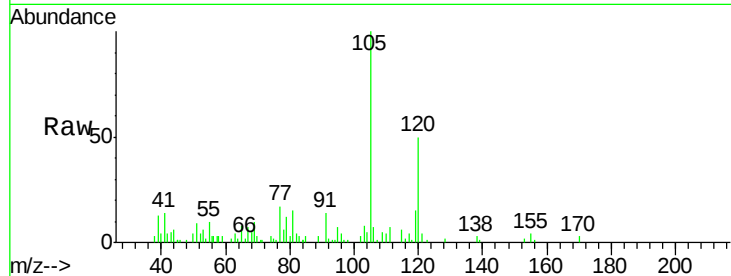
PW-01

Tot Ion:105 Resp: 8531

Ion Ratio Lower Upper

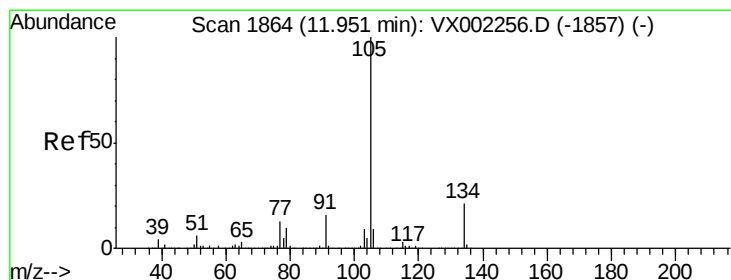
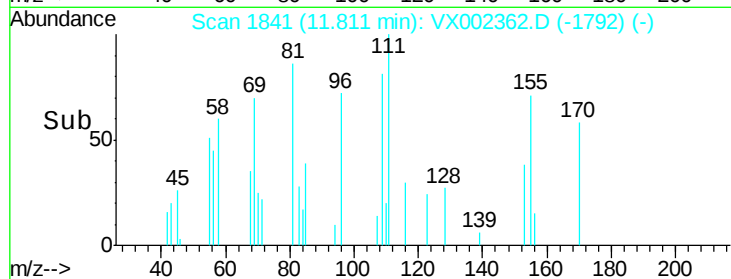
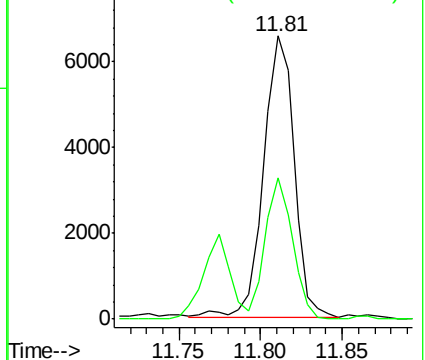
105 100

120 44.8 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 9.36 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002362.D

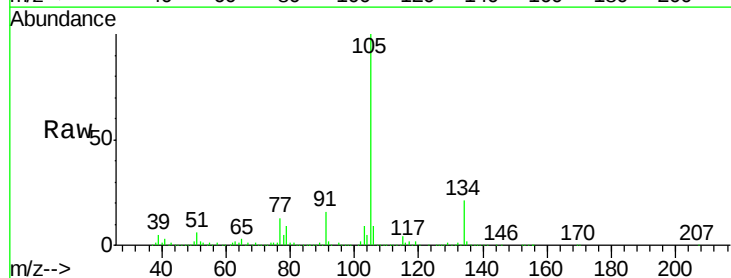
Acq: 06 Jun 2018 19:29

Tgt Ion:105 Resp: 118029

Ion Ratio Lower Upper

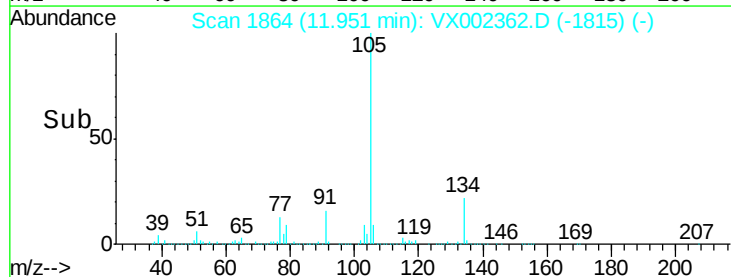
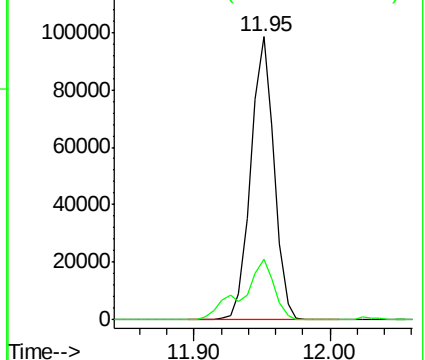
105 100

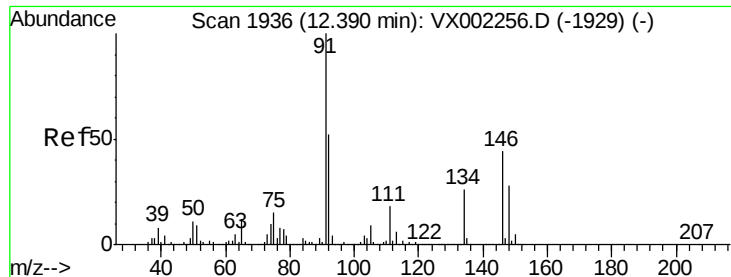
134 29.3 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 6.03 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002362.D

Acq: 06 Jun 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

PW-01

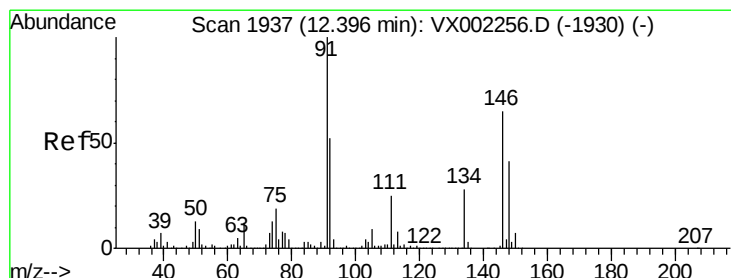
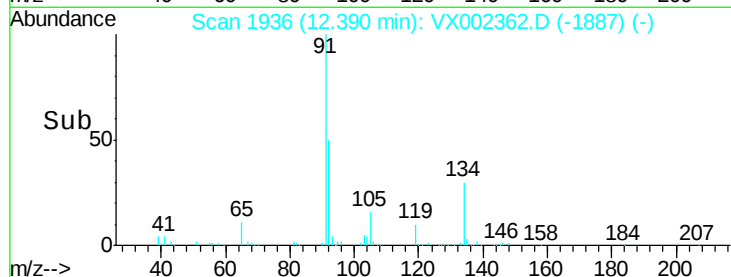
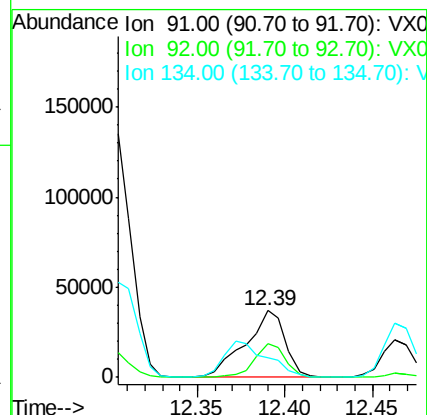
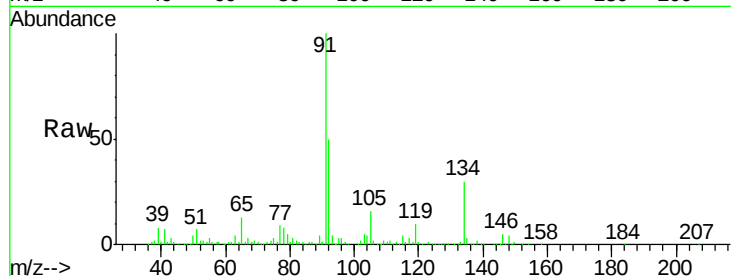
Tot Ion: 91 Resp: 58126

Ion Ratio Lower Upper

91 100

92 40.1 26.0 78.0

134 58.9 13.5 40.5#



#91

1,2-Dichlorobenzene

Concen: 0.51 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002362.D

Acq: 06 Jun 2018 19:29

Tgt Ion: 146 Resp: 3388

Ion Ratio Lower Upper

146 100

111 56.9 19.4 58.1

148 64.1 31.7 95.1

