

Data File : VX002726.D
Acq On : 19 Jun 2018 21:11
Operator : JC/MD
Sample : J3528-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TPTW-01

Quant Time: Jun 26 03:40:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	206072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	300212	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	281179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	166556	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	143521	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
35) Dibromofluoromethane	5.51	113	113021	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
50) Toluene-d8	8.72	98	427153	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
62) 4-Bromofluorobenzene	11.14	95	156334	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	3.07	59	45320	70.007	ug/l	98
16) Acetone	2.45	43	28123	20.356	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	217478	25.177	ug/l	100
25) 2-Butanone	4.72	43	8261	4.553	ug/l	100
40) Benzene	6.15	78	75909	7.940	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	28259	7.361	ug/l	100
52) Toluene	8.79	92	234667	38.479	ug/l	100
67) Ethyl Benzene	10.26	91	138302	11.874	ug/l	99
68) m/p-Xylenes	10.36	106	337043	75.018	ug/l	100
69) o-Xylene	10.70	106	221190	50.109	ug/l	100
73) Isopropylbenzene	11.02	105	14250	1.279	ug/l	100
78) n-propylbenzene	11.37	91	30461	2.384	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	31038	3.297	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	93800	9.765	ug/l	99
85) sec-Butylbenzene	11.95	105	3343	0.296	ug/l	97
86) p-Isopropyltoluene	12.07	119	2492	0.244	ug/l #	71
95) Naphthalene	13.84	128	186314	16.655	ug/l	100

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

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Instrument :

MSVOA_X

ClientSampleId :

TPTW-01

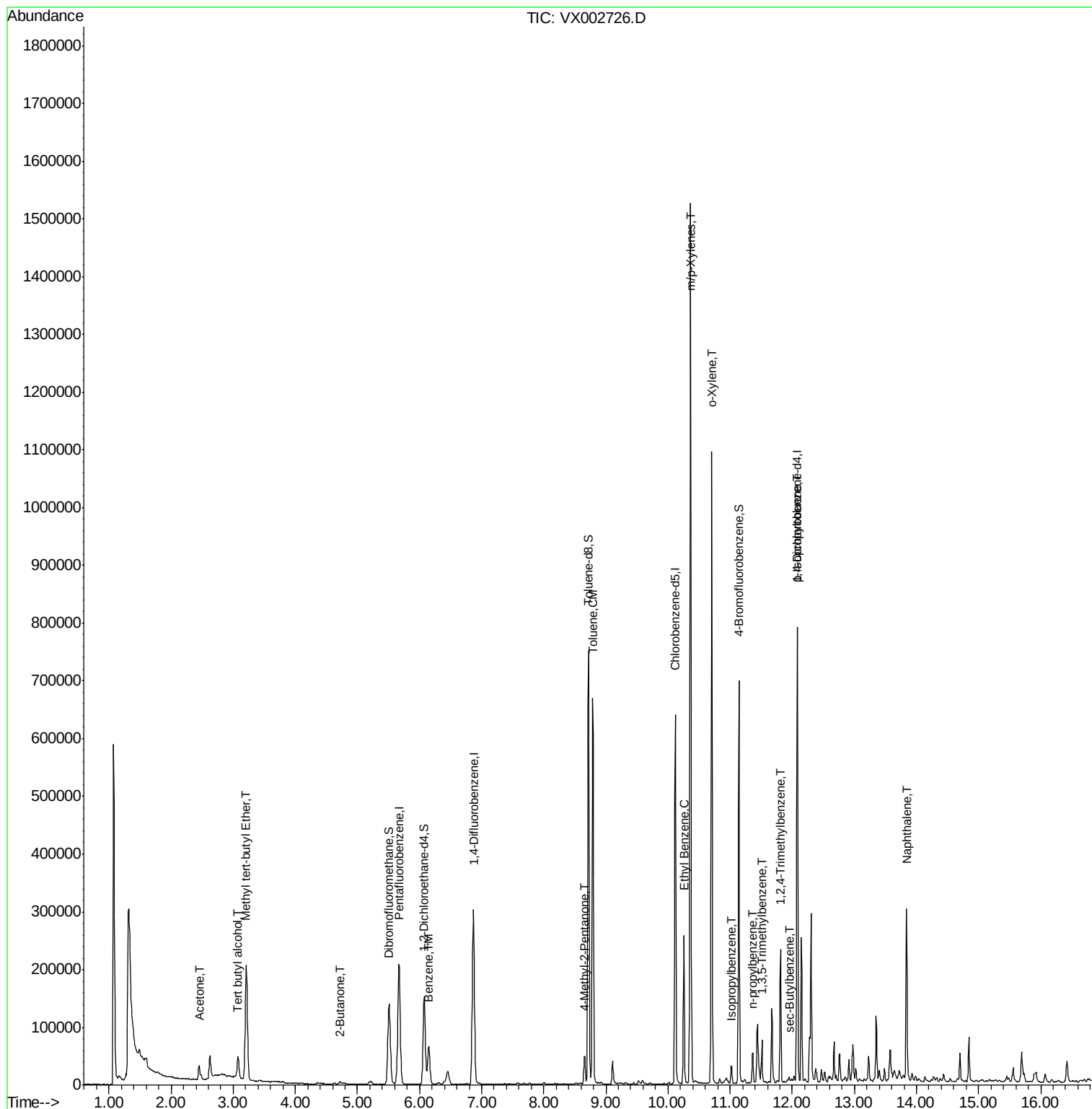
Quant Time: Jun 26 03:40:01 2018

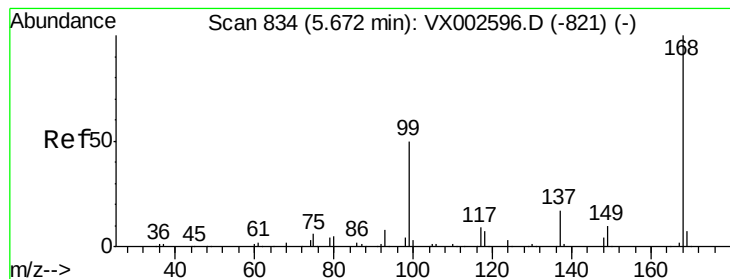
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M

Quant Title : SW846 8260

QLast Update : Sat Jun 16 01:37:33 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002726.D

Acq: 19 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

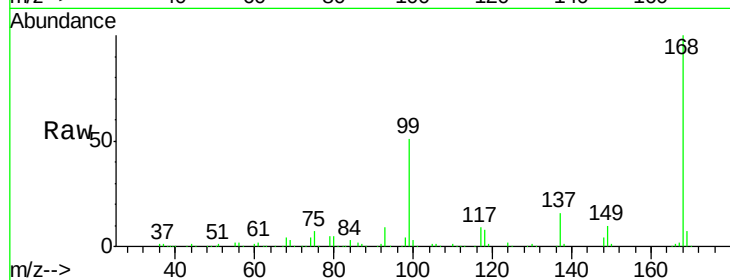
TPTW-01

Tgt Ion:168 Resp: 206072

Ion Ratio Lower Upper

168 100

99 50.7 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

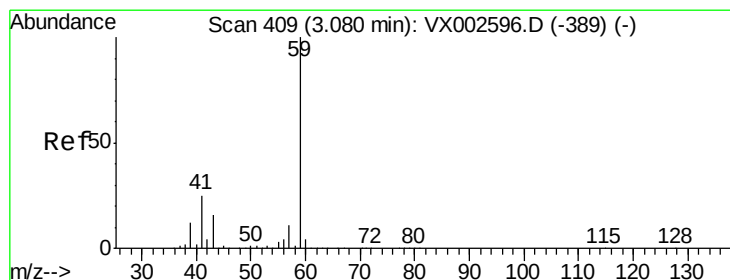
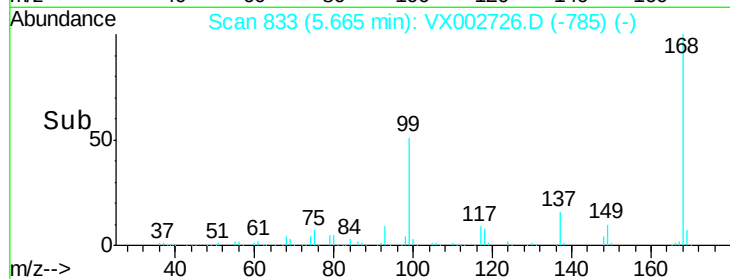
40000

20000

0

5.60 5.70 5.80

Time-->



#11

Tert butyl alcohol

Concen: 70.007 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX002726.D

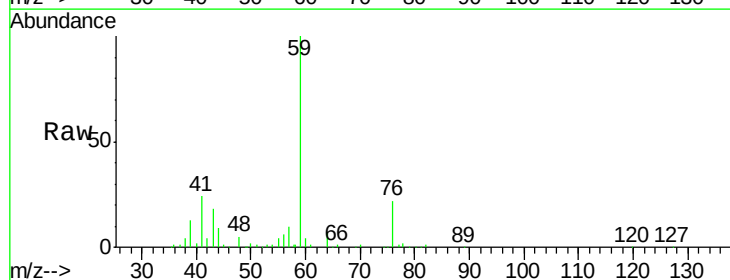
Acq: 19 Jun 2018 21:11

Tgt Ion: 59 Resp: 45320

Ion Ratio Lower Upper

59 100

57 11.1 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07

20000

15000

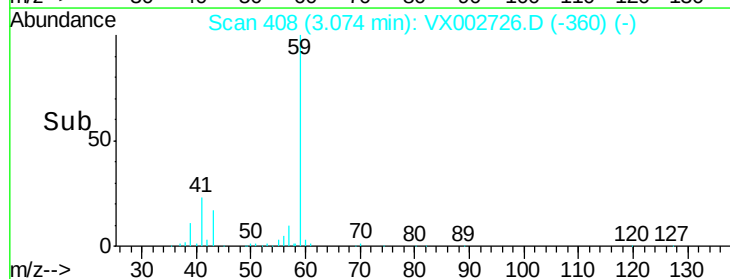
10000

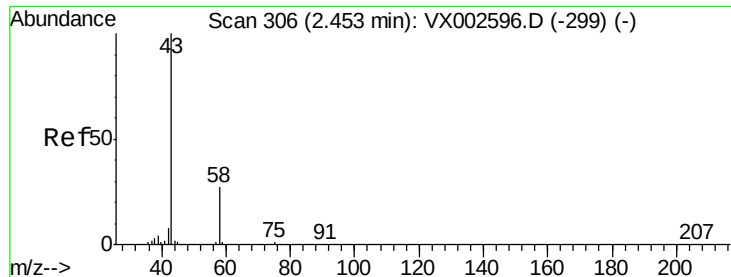
5000

0

2.90 3.00 3.10 3.20

Time-->





#16

Acetone

Concen: 20.356 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002726.D

Acq: 19 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

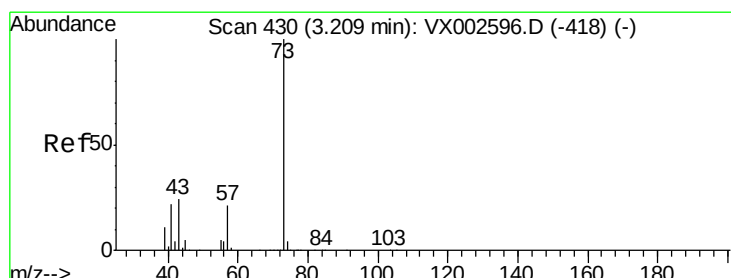
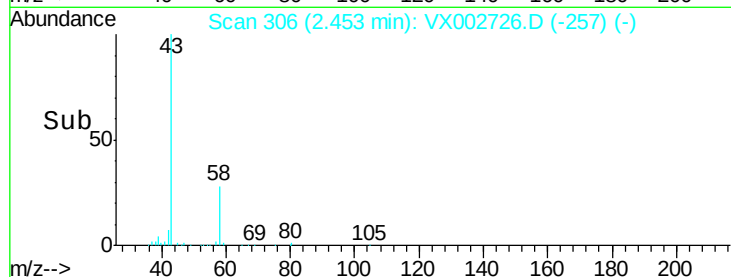
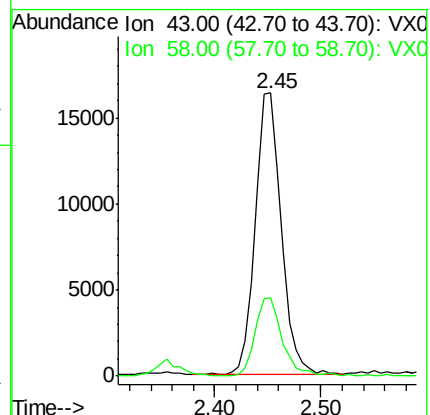
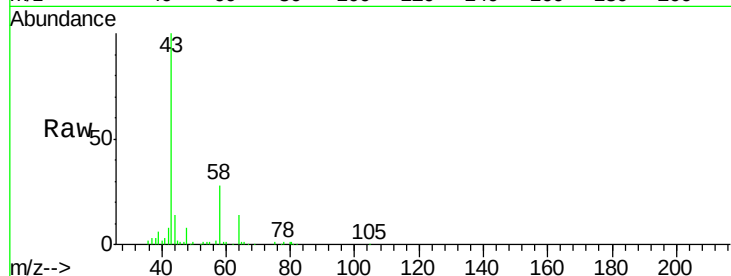
TPTW-01

Tgt Ion: 43 Resp: 28123

Ion Ratio Lower Upper

43 100

58 28.1 22.1 33.1



#19

Methyl tert-butyl Ether

Concen: 25.177 ug/l

RT: 3.21 min Scan# 430

Delta R.T. 0.00 min

Lab File: VX002726.D

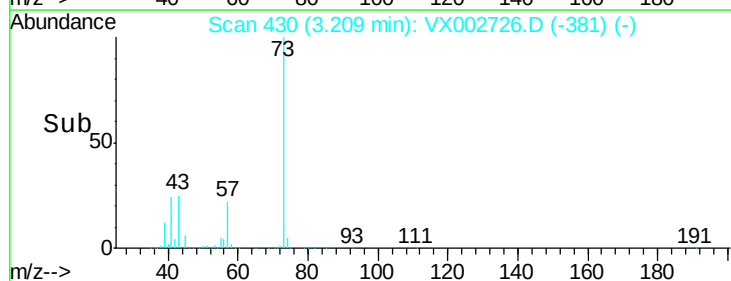
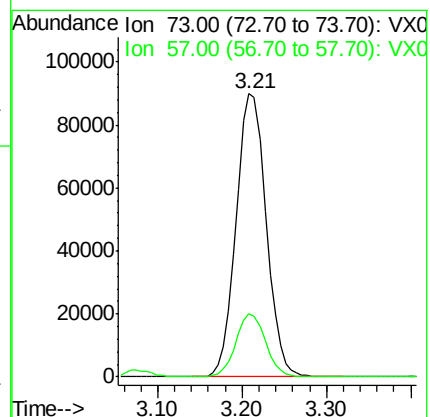
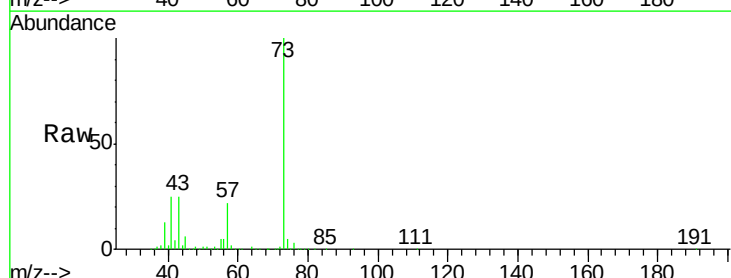
Acq: 19 Jun 2018 21:11

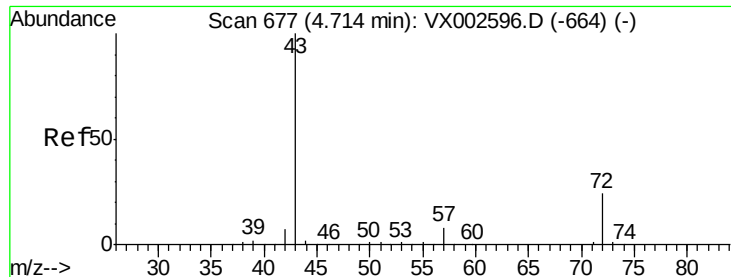
Tgt Ion: 73 Resp: 217478

Ion Ratio Lower Upper

73 100

57 22.1 17.7 26.5





#25

2-Butanone

Concen: 4.553 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX002726.D

Acq: 19 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampled :

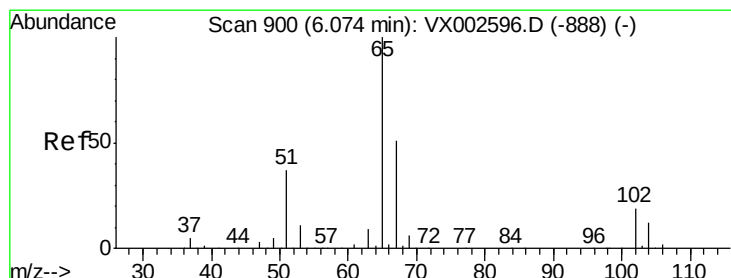
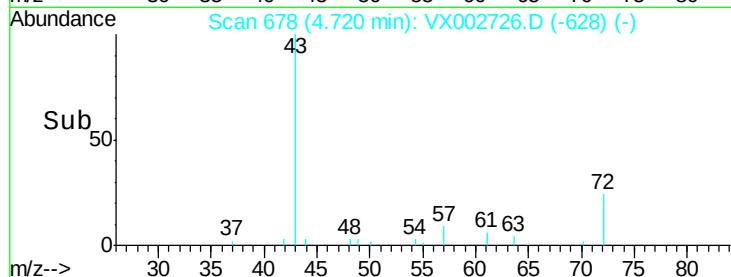
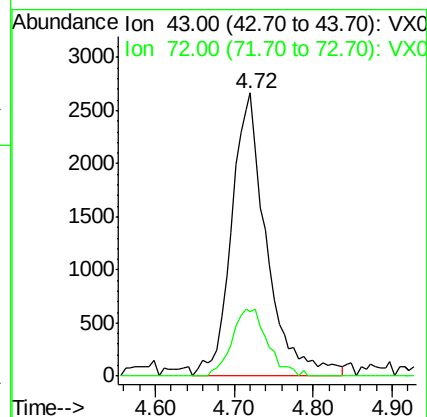
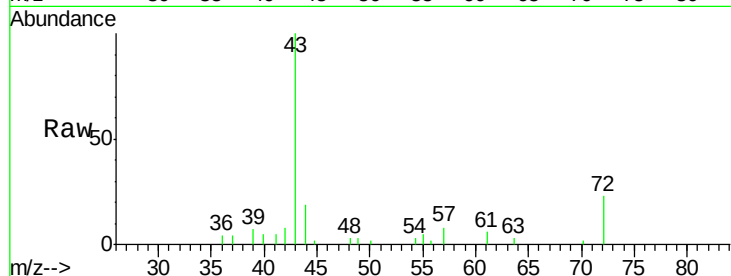
TPTW-01

Tgt Ion: 43 Resp: 8261

Ion Ratio Lower Upper

43 100

72 22.9 18.5 27.7



#33

1,2-Dichloroethane-d4

Concen: 45.831 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002726.D

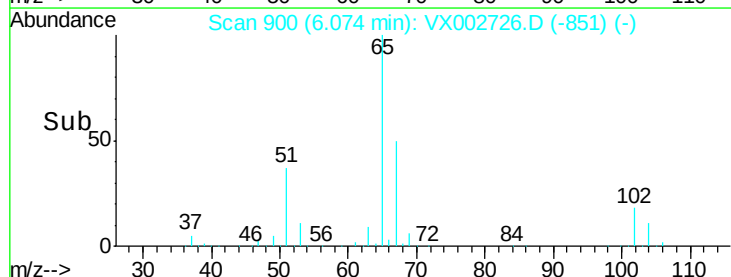
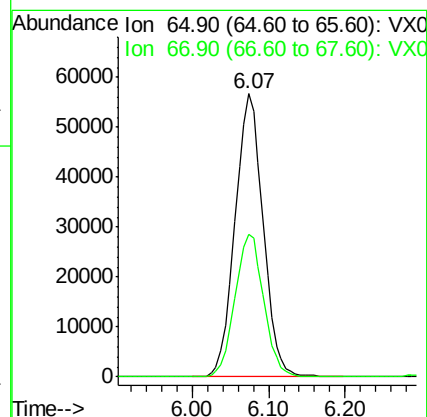
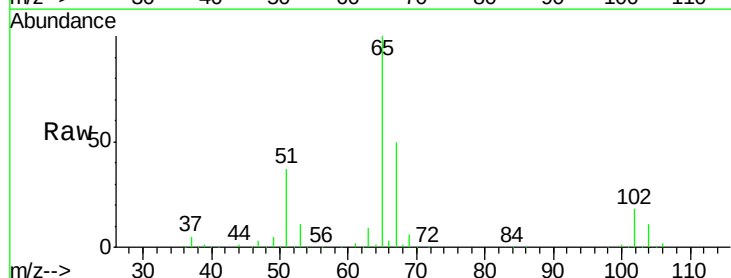
Acq: 19 Jun 2018 21:11

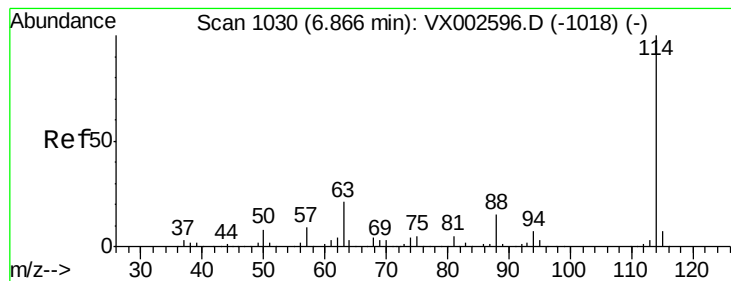
Tgt Ion: 65 Resp: 143521

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002726.D

Acq: 19 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

TPTW-01

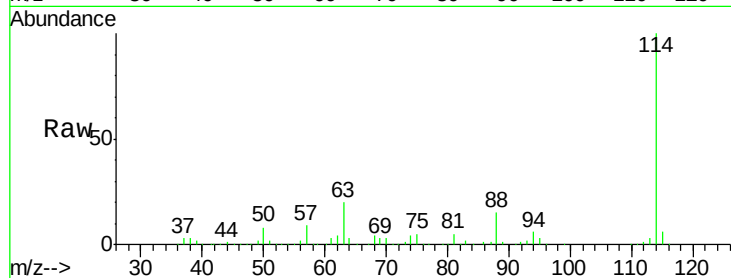
Tgt Ion:114 Resp: 300212

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

88 15.2 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

150000

100000

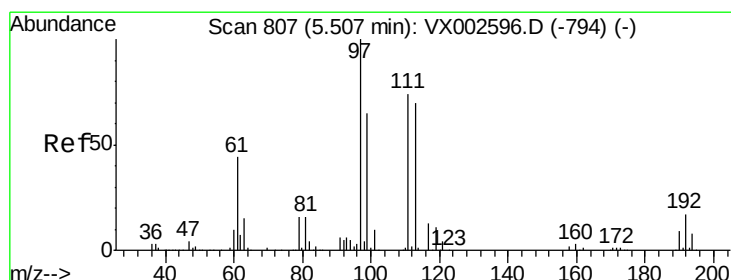
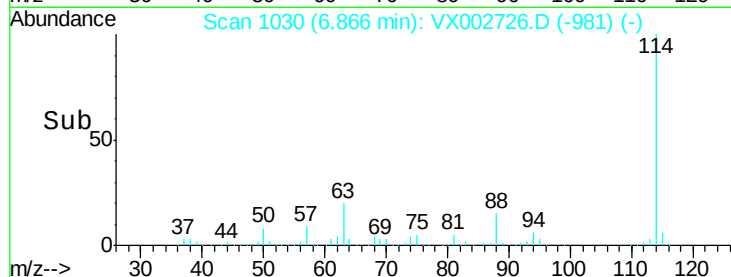
50000

0

6.87

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 47.171 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002726.D

Acq: 19 Jun 2018 21:11

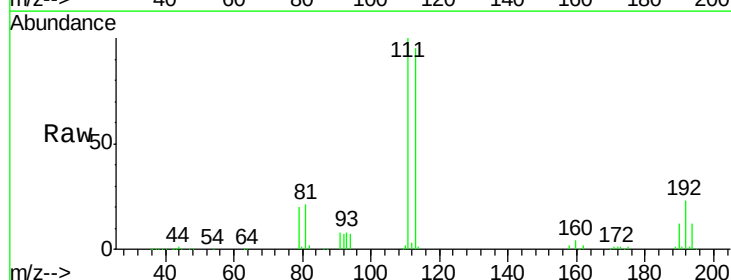
Tgt Ion:113 Resp: 113021

Ion Ratio Lower Upper

113 100

111 105.0 81.4 122.0

192 23.9 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

50000

40000

30000

20000

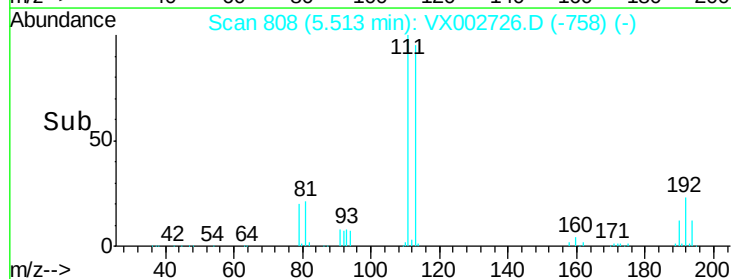
10000

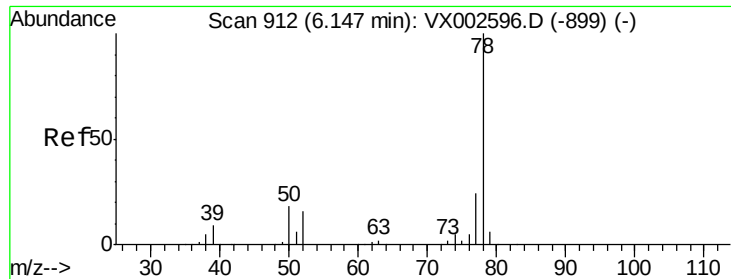
0

5.51

5.40 5.50 5.60

Time-->





#40

Benzene

Concen: 7.940 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.01 min

Lab File: VX002726.D

Acq: 19 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

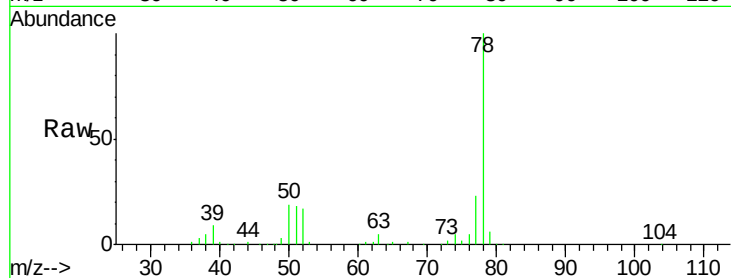
TPTW-01

Tgt Ion: 78 Resp: 75909

Ion Ratio Lower Upper

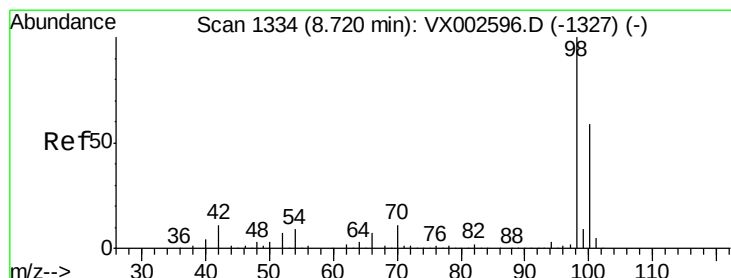
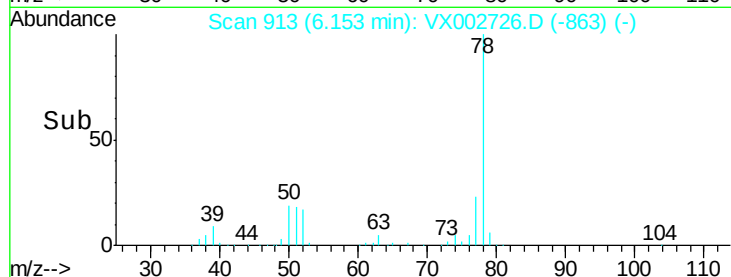
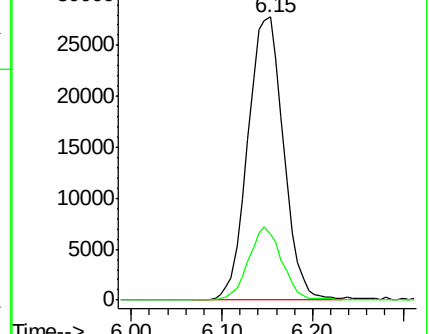
78 100

77 23.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 46.953 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002726.D

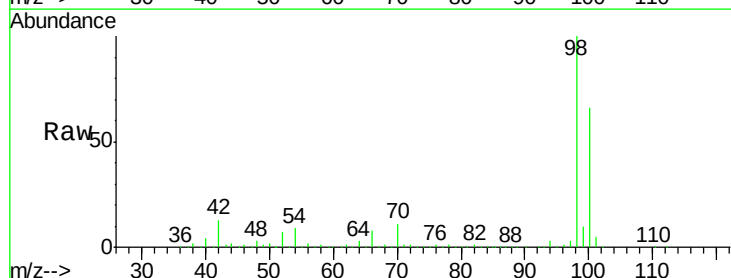
Acq: 19 Jun 2018 21:11

Tgt Ion: 98 Resp: 427153

Ion Ratio Lower Upper

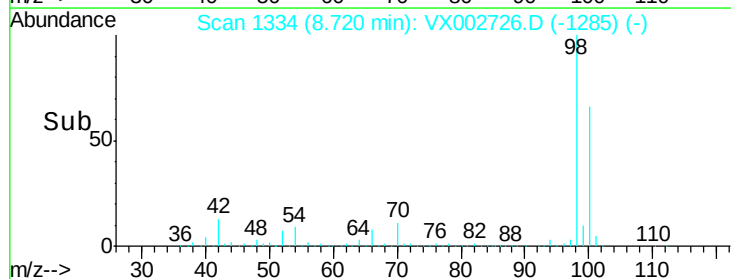
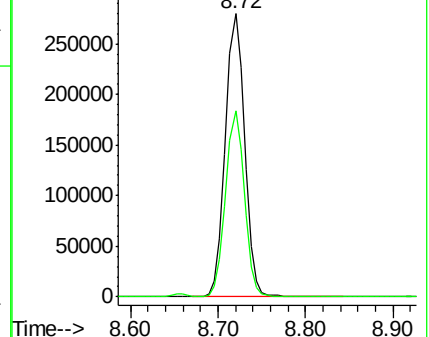
98 100

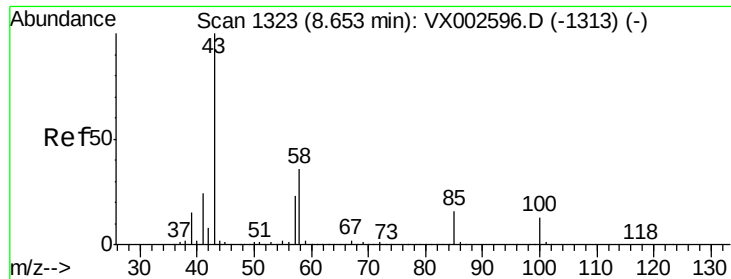
100 63.7 50.9 76.3



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: 7.361 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX002726.D

Acq: 19 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

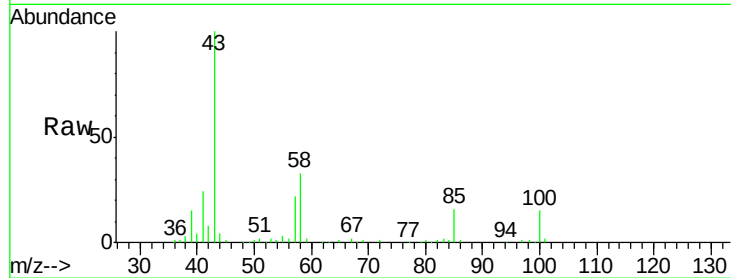
TPTW-01

Tgt Ion: 43 Resp: 28259

Ion Ratio Lower Upper

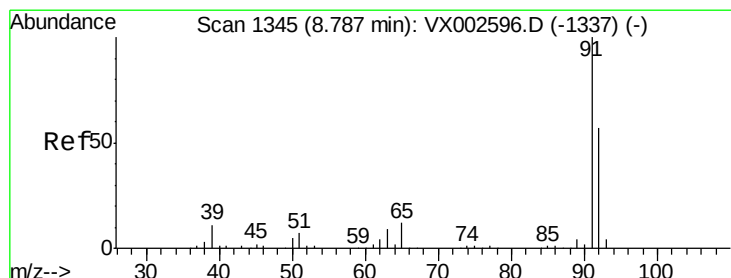
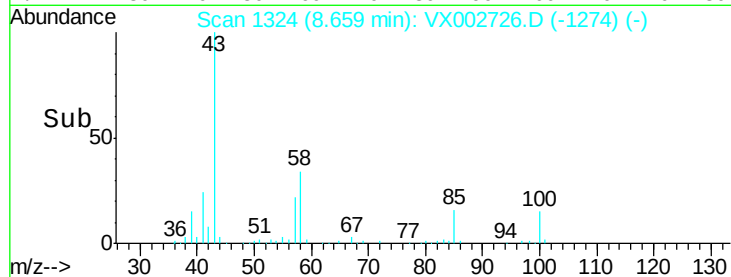
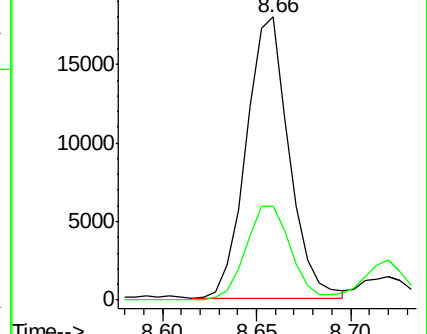
43 100

58 35.5 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 38.479 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002726.D

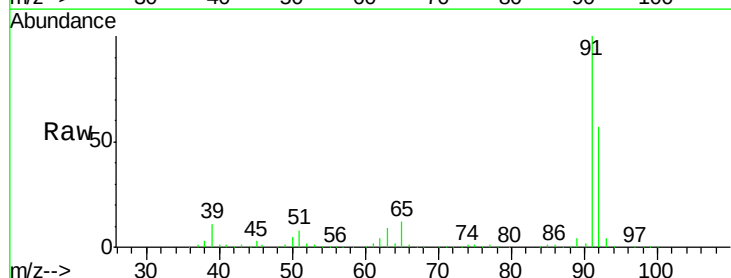
Acq: 19 Jun 2018 21:11

Tgt Ion: 92 Resp: 234667

Ion Ratio Lower Upper

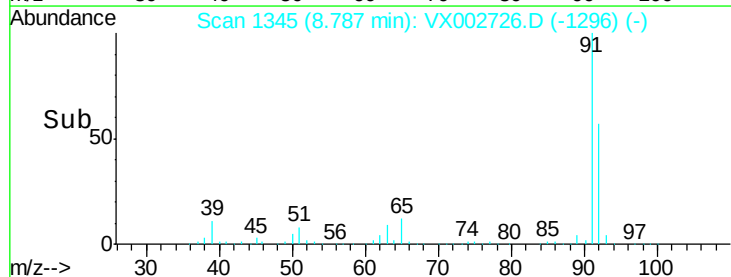
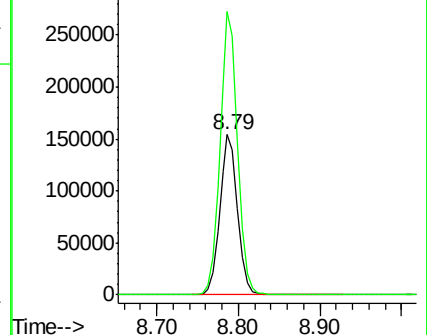
92 100

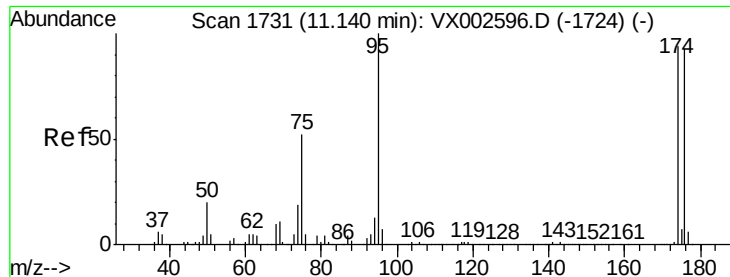
91 175.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

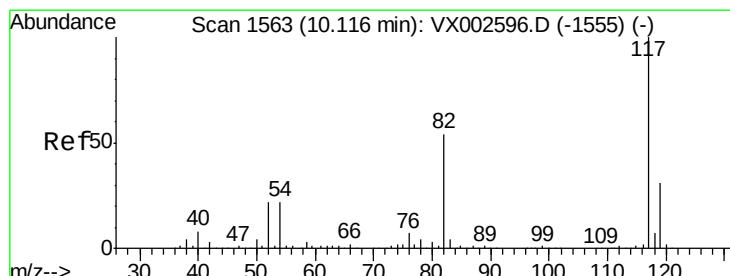
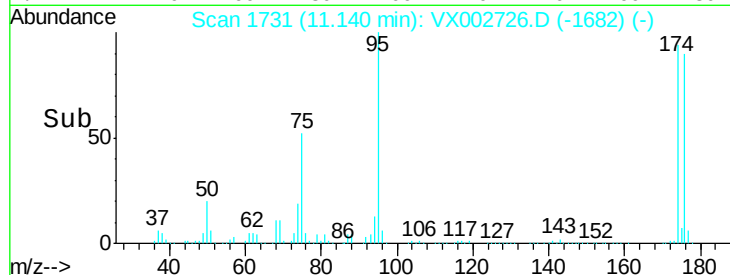
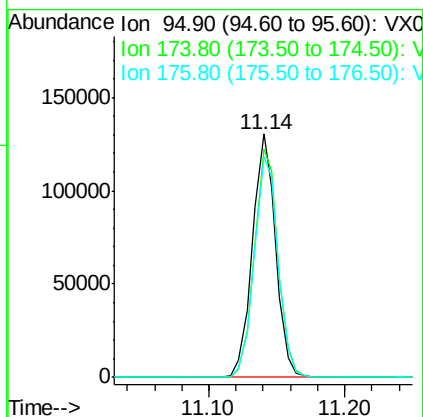
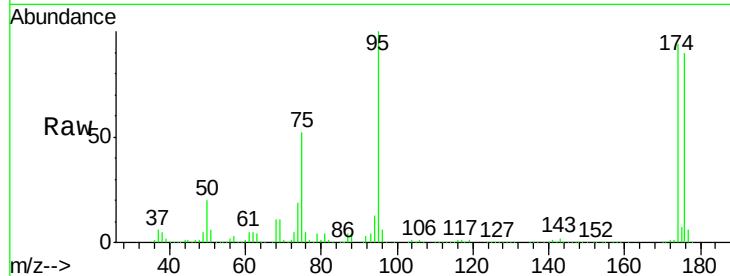




#62
4-Bromofluorobenzene
Concen: 45.349 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002726.D
Acq: 19 Jun 2018 21:11

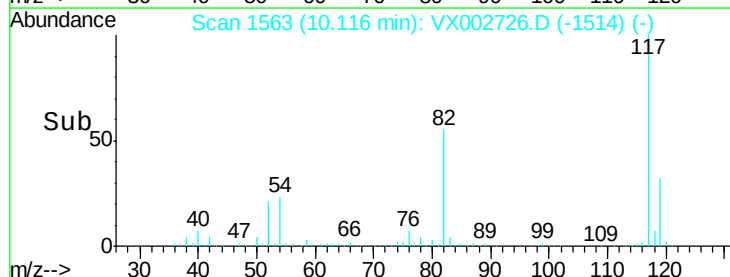
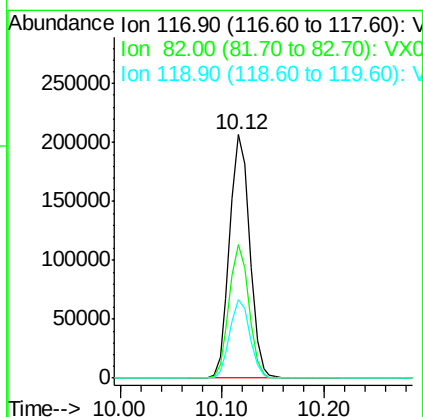
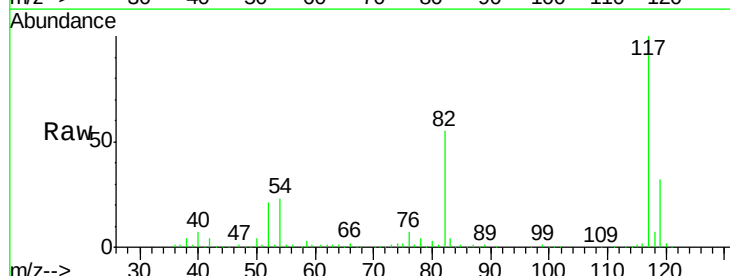
Instrument :
MSVOA_X
ClientSampleId :
TPTW-01

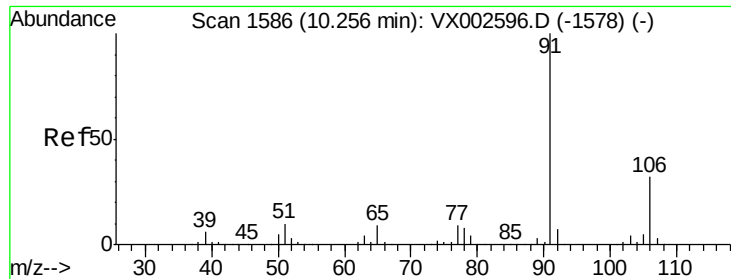
Tgt Ion: 95 Resp: 156334
Ion Ratio Lower Upper
95 100
174 95.9 0.0 187.4
176 93.3 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002726.D
Acq: 19 Jun 2018 21:11

Tgt Ion: 117 Resp: 281179
Ion Ratio Lower Upper
117 100
82 55.0 45.0 67.4
119 32.5 25.8 38.6

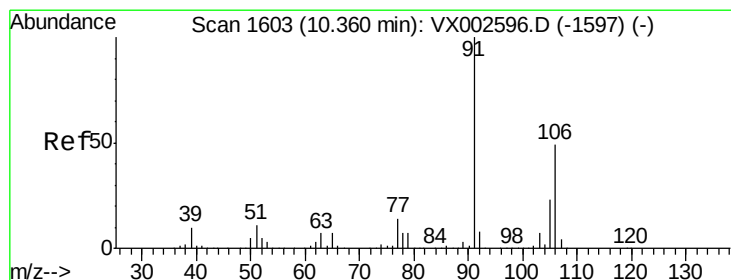
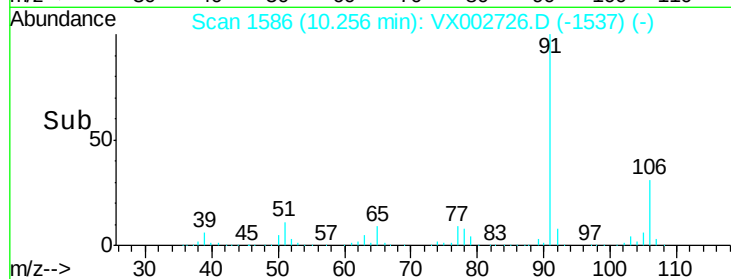
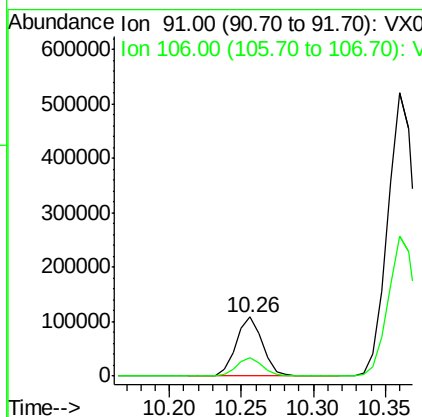
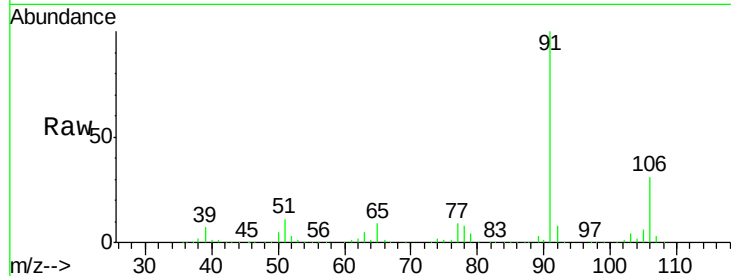




#67
Ethyl Benzene
Concen: 11.874 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002726.D
Acq: 19 Jun 2018 21:11

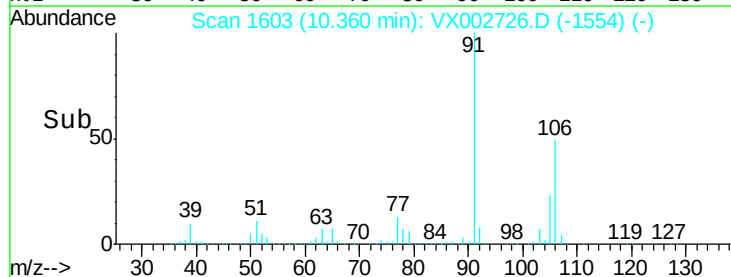
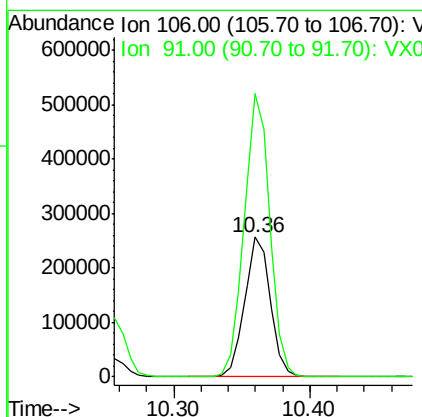
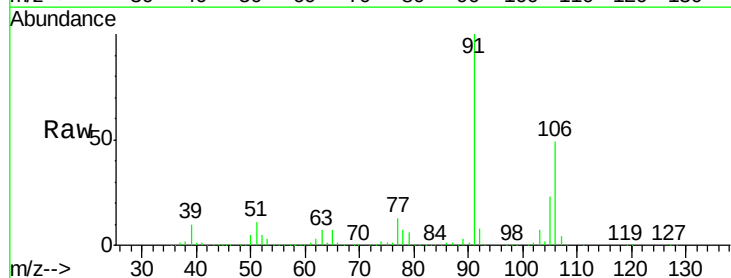
Instrument :
MSVOA_X
ClientSampled :
TPTW-01

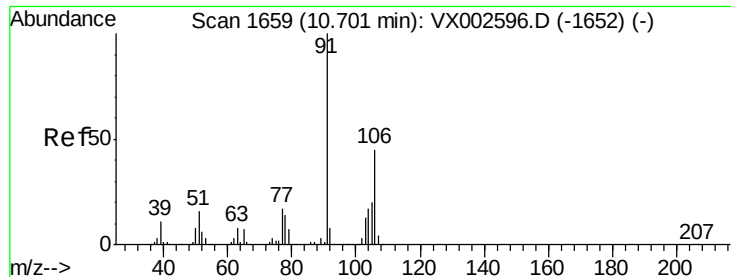
Tgt Ion: 91 Resp: 138302
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3



#68
m/p-Xylenes
Concen: 75.018 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002726.D
Acq: 19 Jun 2018 21:11

Tgt Ion: 106 Resp: 337043
Ion Ratio Lower Upper
106 100
91 203.7 163.4 245.2

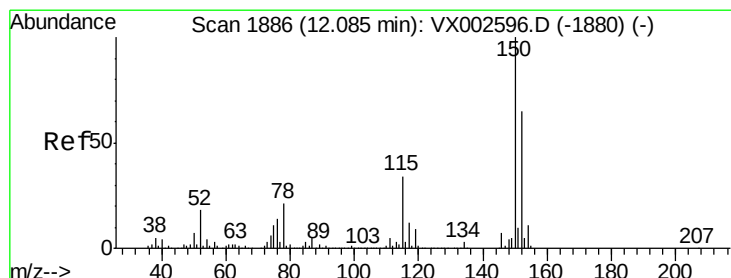
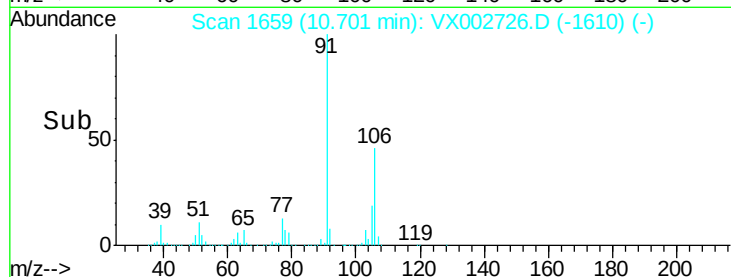
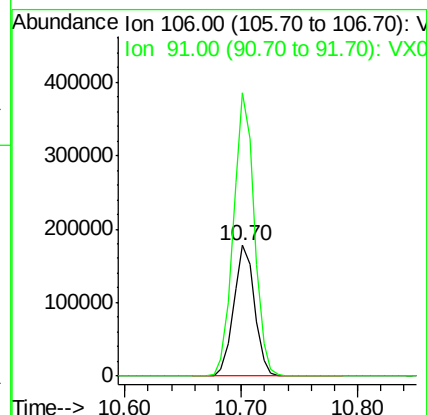
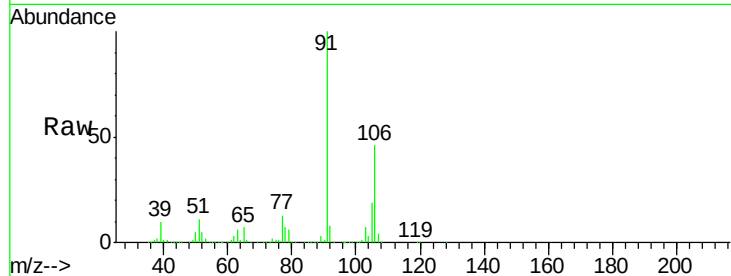




#69
o-Xylene
Concen: 50.109 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002726.D
Acq: 19 Jun 2018 21:11

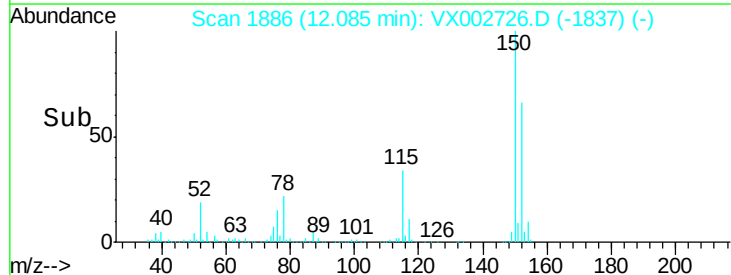
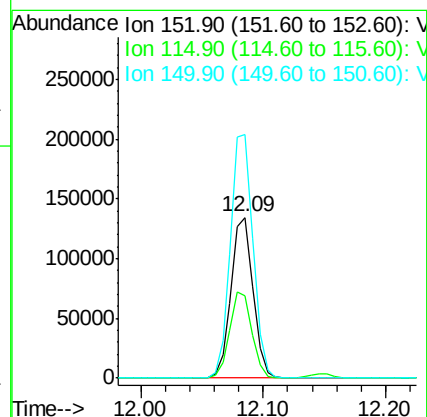
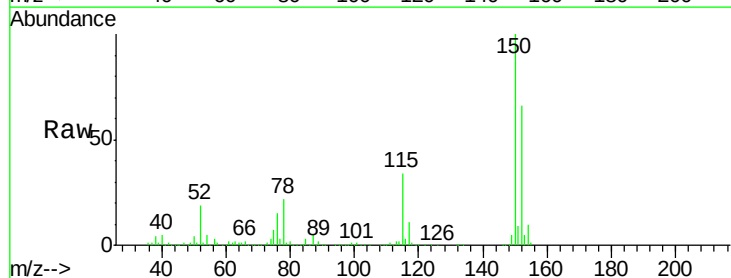
Instrument :
MSVOA_X
ClientSampled :
TPTW-01

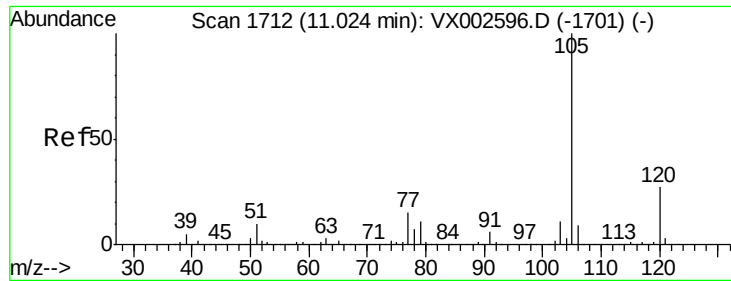
Tgt Ion:106 Resp: 221190
Ion Ratio Lower Upper
106 100
91 216.3 108.2 324.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002726.D
Acq: 19 Jun 2018 21:11

Tgt Ion:152 Resp: 166556
Ion Ratio Lower Upper
152 100
115 53.8 40.1 120.2
150 155.8 0.0 347.2





#73

Isopropylbenzene

Concen: 1.279 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002726.D

Acq: 19 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

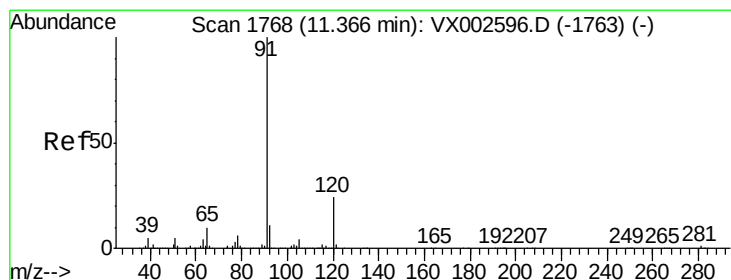
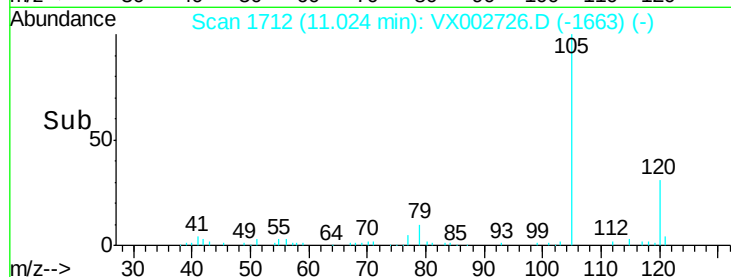
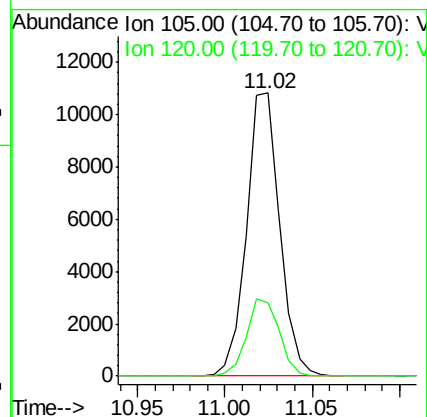
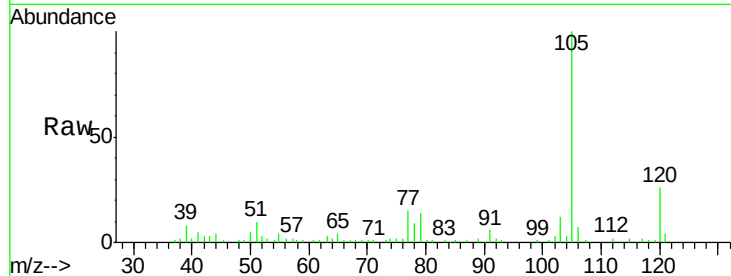
TPTW-01

Tgt Ion: 105 Resp: 14250

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



#78

n-propylbenzene

Concen: 2.384 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002726.D

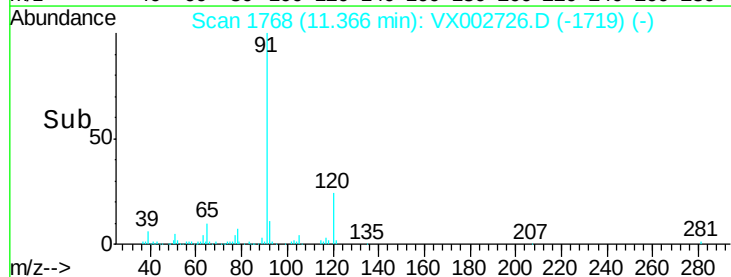
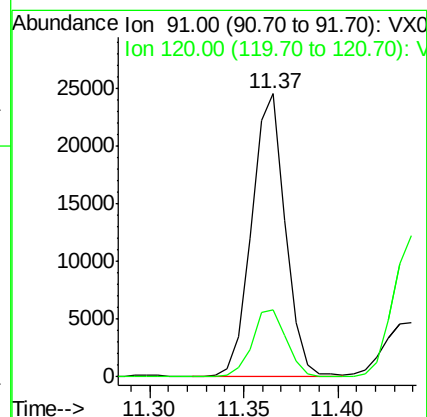
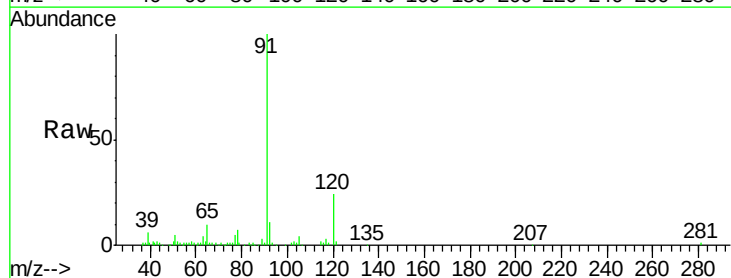
Acq: 19 Jun 2018 21:11

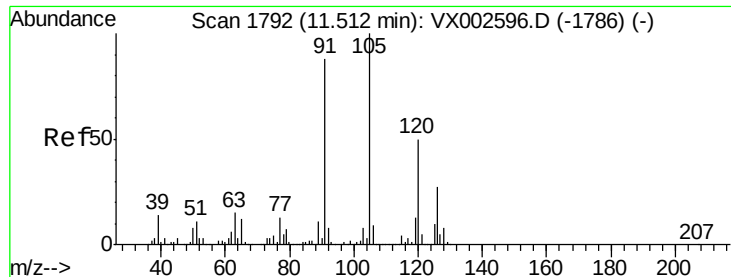
Tgt Ion: 91 Resp: 30461

Ion Ratio Lower Upper

91 100

120 23.9 11.8 35.4





#80

1,3,5-Trimethylbenzene

Concen: 3.297 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002726.D

Acq: 19 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampled :

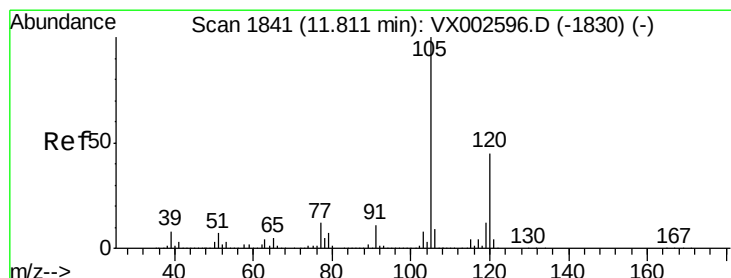
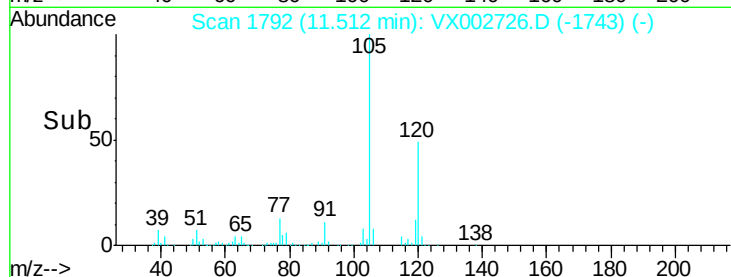
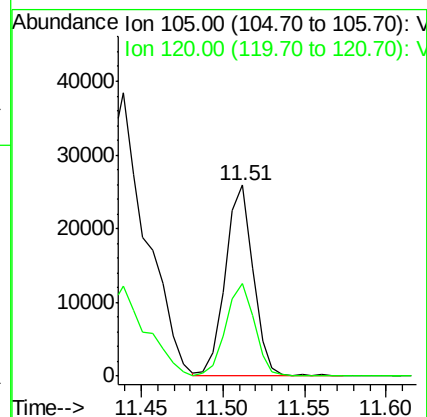
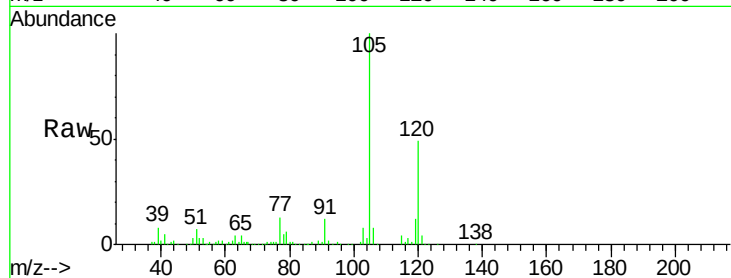
TPTW-01

Tgt Ion:105 Resp: 31038

Ion Ratio Lower Upper

105 100

120 49.9 24.4 73.4



#84

1,2,4-Trimethylbenzene

Concen: 9.765 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002726.D

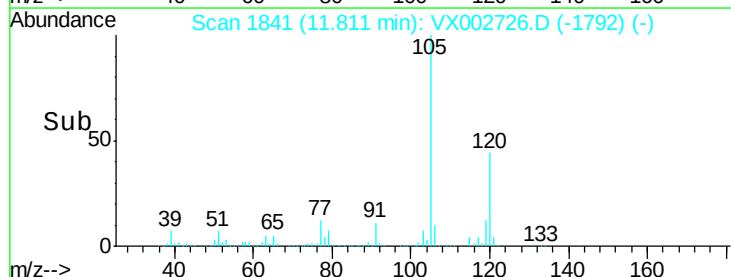
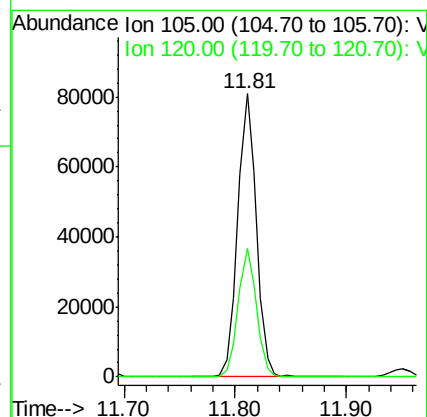
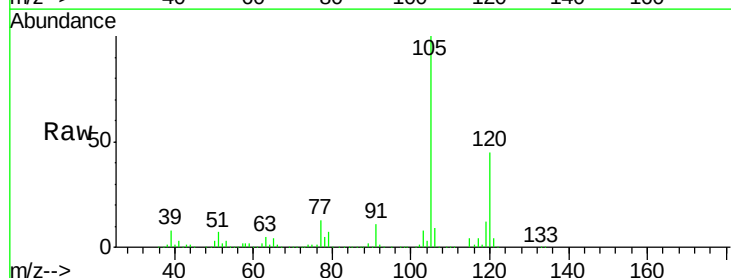
Acq: 19 Jun 2018 21:11

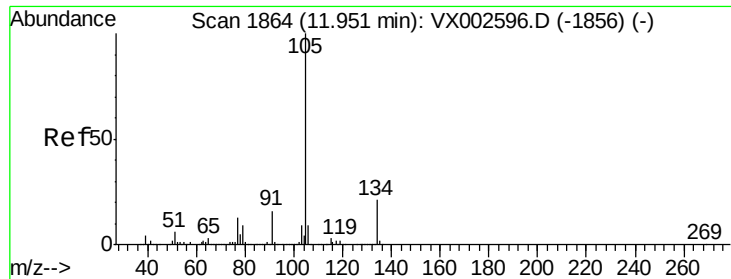
Tgt Ion:105 Resp: 93800

Ion Ratio Lower Upper

105 100

120 44.9 22.3 66.8





#85

sec-Butylbenzene

Concen: 0.296 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002726.D

Acq: 19 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

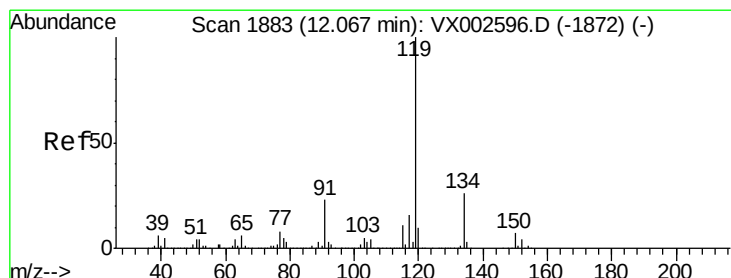
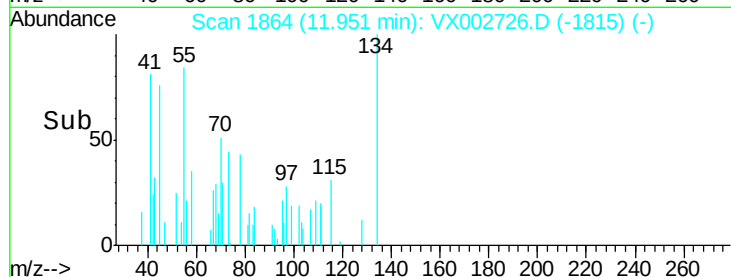
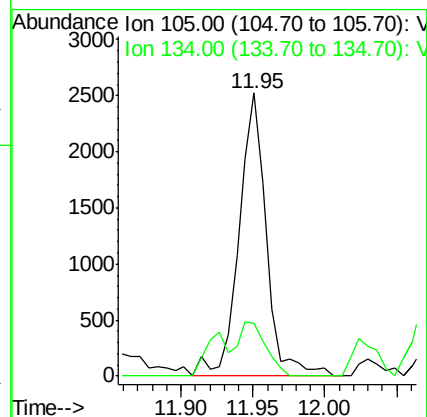
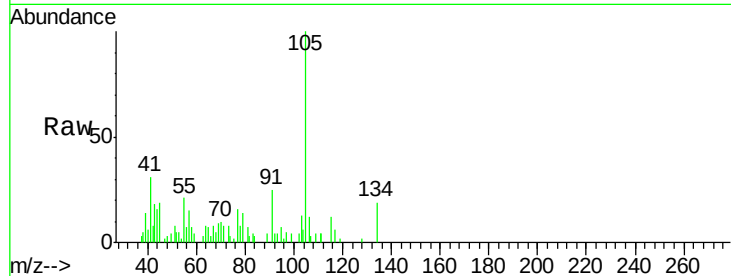
TPTW-01

Tgt Ion:105 Resp: 3343

Ion Ratio Lower Upper

105 100

134 19.5 10.4 31.1



#86

p-Isopropyltoluene

Concen: 0.244 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX002726.D

Acq: 19 Jun 2018 21:11

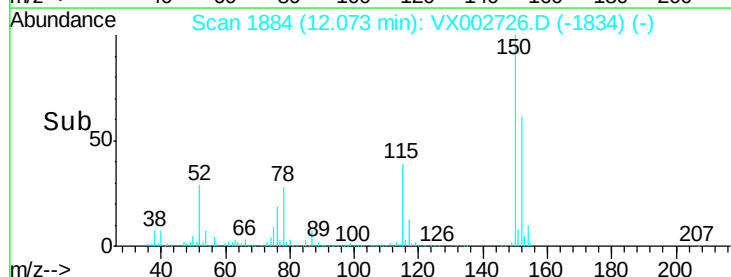
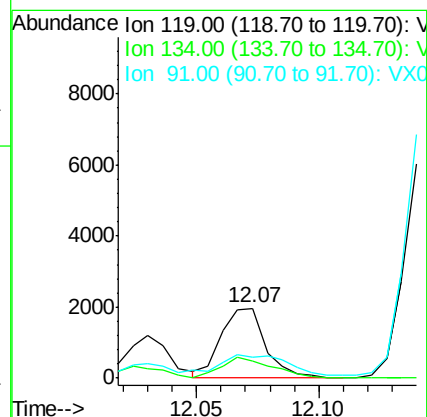
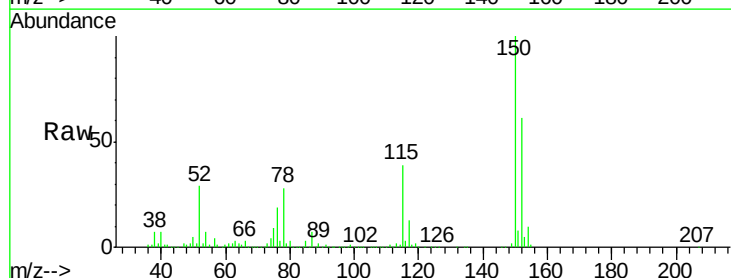
Tgt Ion:119 Resp: 2492

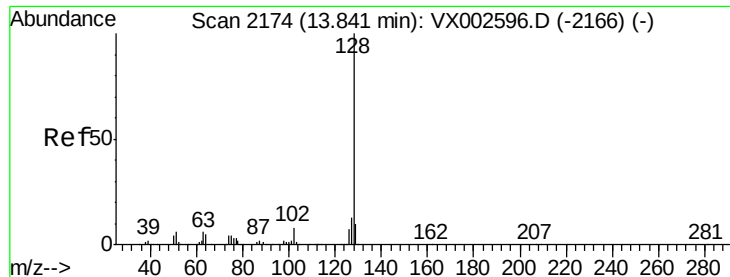
Ion Ratio Lower Upper

119 100

134 34.8 13.4 40.1

91 45.6 11.9 35.7#





#95
Naphthalene
Concen: 16.655 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002726.D
Acq: 19 Jun 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
TPTW-01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.6	8.6	13.0

