

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
 Data File : VX002668.D
 Acq On : 17 Jun 2018 00:43
 Operator : JC/MD
 Sample : J3485-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-GW-06132018

Quant Time: Jun 18 04:10:38 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	204496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	291609	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	272140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	161870	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	139116	44.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.54%	
35) Dibromofluoromethane	5.51	113	108749	46.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.46%	
50) Toluene-d8	8.72	98	417148	47.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.42%	
62) 4-Bromofluorobenzene	11.14	95	150895	45.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.12%	

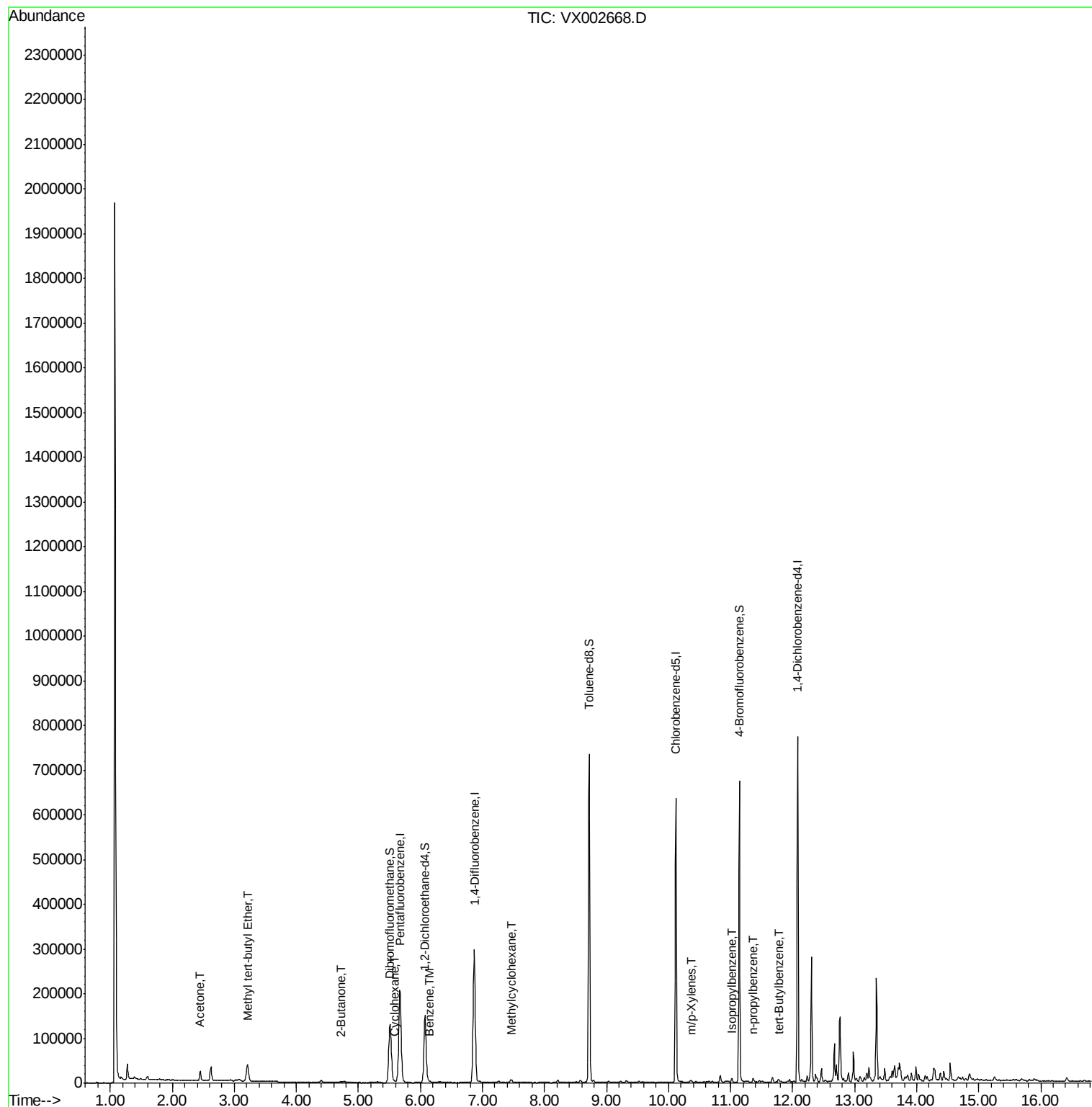
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	22398	16.337	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	39872	4.652	ug/l	96
25) 2-Butanone	4.72	43	4548	2.526	ug/l #	82
31) Cyclohexane	5.59	56	2042	0.557	ug/l #	87
39) Methylcyclohexane	7.47	83	2421	0.669	ug/l	89
40) Benzene	6.15	78	3079	0.332	ug/l	96
68) m/p-Xylenes	10.37	106	995	0.229	ug/l	99
73) Isopropylbenzene	11.02	105	3997	0.369	ug/l	99
78) n-propylbenzene	11.37	91	4499	0.362	ug/l	96
83) tert-Butylbenzene	11.77	119	1878	0.213	ug/l	92

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

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Quant Method : Z:\V0ASRV\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: VX002668.D

Acq: 17 Jun 2018 00:43

Instrument :

MSVOA_X

ClientSampleId :

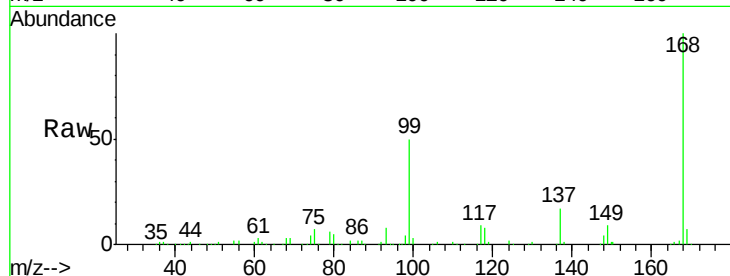
IDW-GW-06132018

Tot Ion:168 Resp: 204496

Ion Ratio Lower Upper

168 100

99 50.0 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

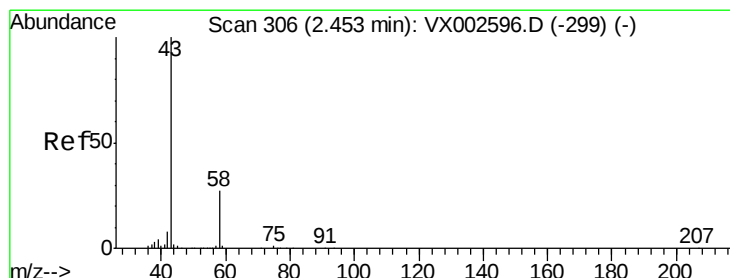
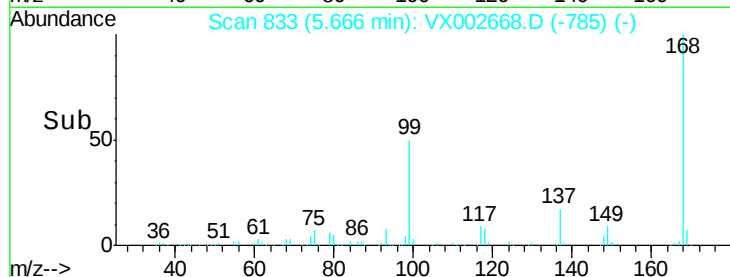
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 16.337 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002668.D

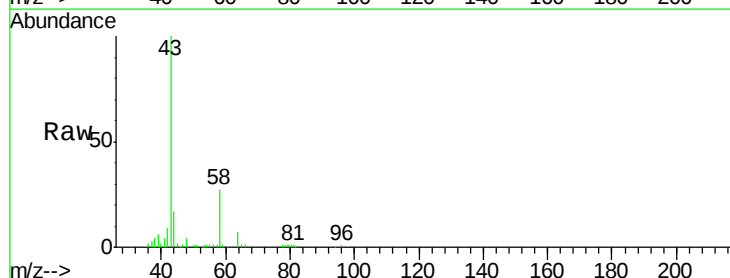
Acq: 17 Jun 2018 00:43

Tgt Ion: 43 Resp: 22398

Ion Ratio Lower Upper

43 100

58 26.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

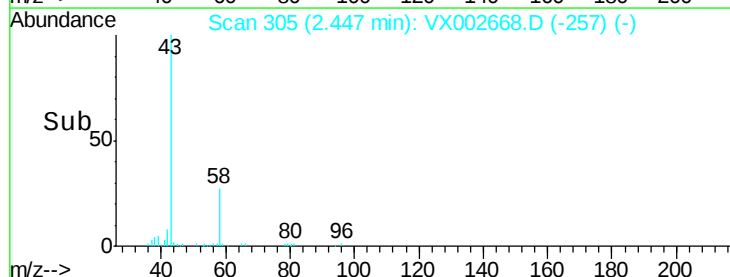
15000

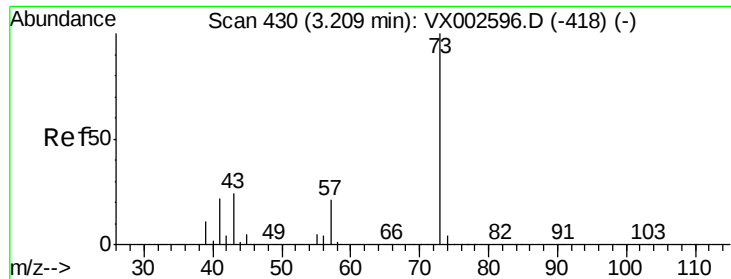
10000

5000

0

Time--> 2.35 2.40 2.45 2.50

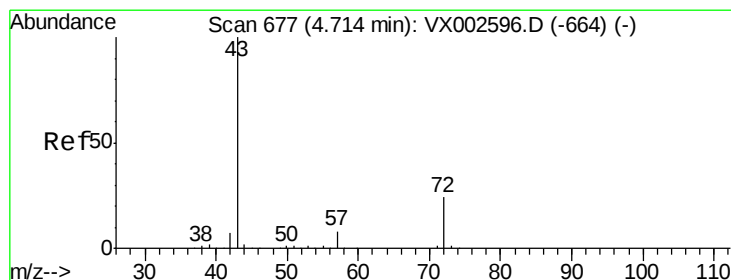
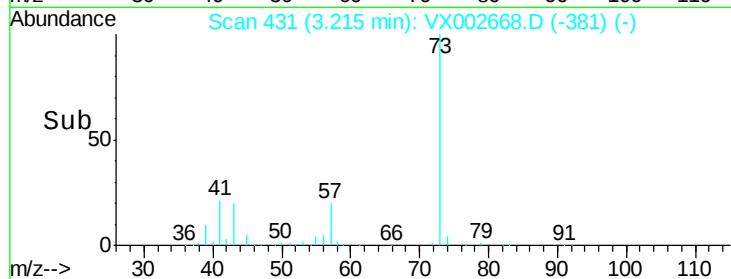
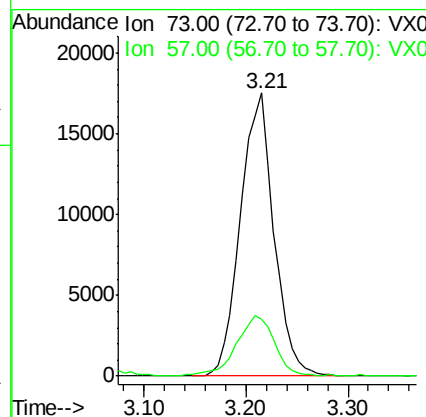
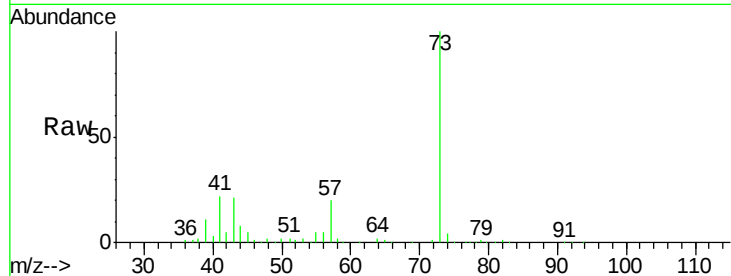




#19
Methvl tert-butvl Ether
Concen: 4.652 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX002668.D
Acq: 17 Jun 2018 00:43

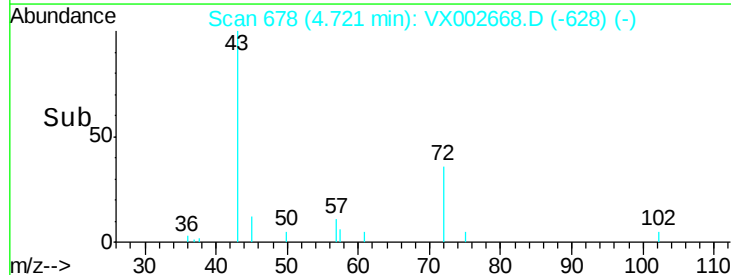
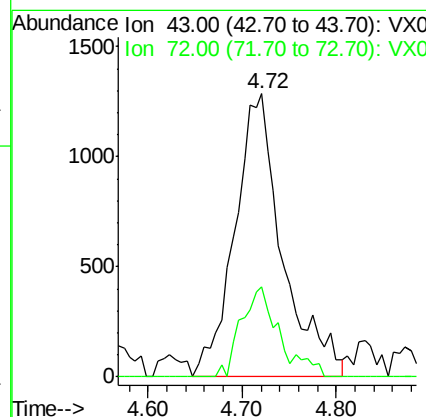
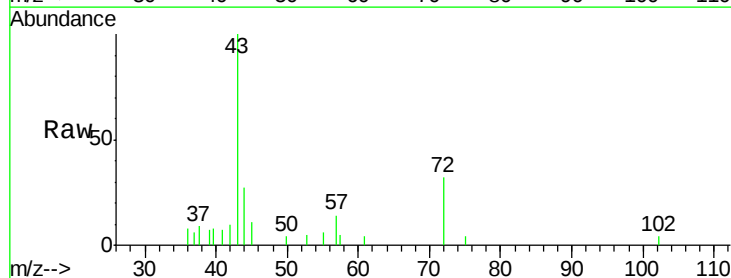
Instrument :
MSVOA_X
ClientSampleId :
IDW-GW-06132018

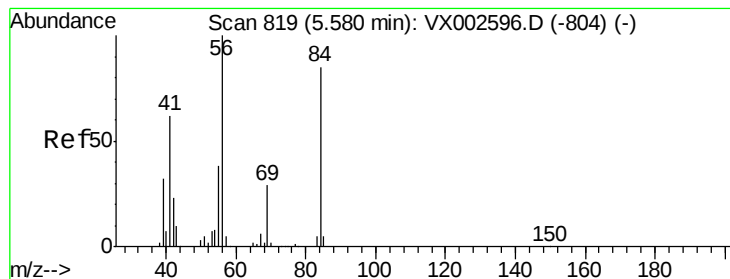
Tot Ion: 73 Resp: 39872
Ion Ratio Lower Upper
73 100
57 20.0 17.7 26.5



#25
2-Butanone
Concen: 2.526 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX002668.D
Acq: 17 Jun 2018 00:43

Tgt Ion: 43 Resp: 4548
Ion Ratio Lower Upper
43 100
72 31.8 18.5 27.7#





#31

Cyclohexane

Concen: 0.557 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.01 min

Lab File: VX002668.D

Acq: 17 Jun 2018 00:43

Instrument :

MSVOA_X

ClientSampleId :

IDW-GW-06132018

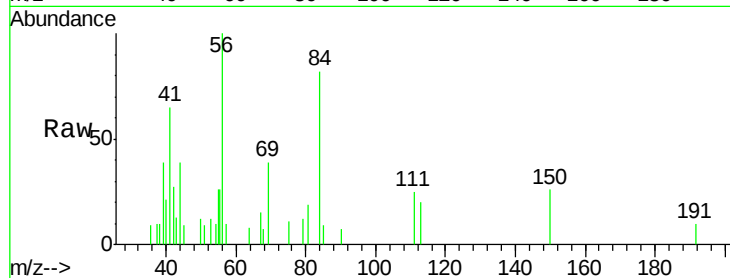
Tot Ion: 56 Resp: 2042

Ion Ratio Lower Upper

56 100

69 41.6 23.7 35.5#

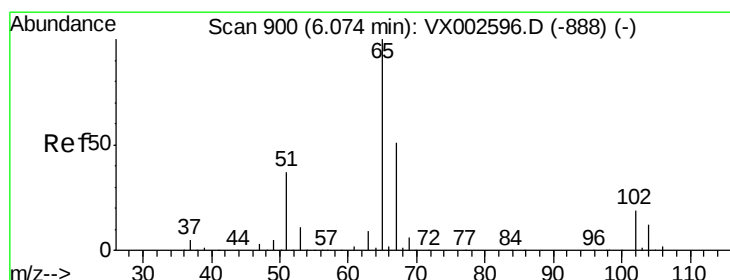
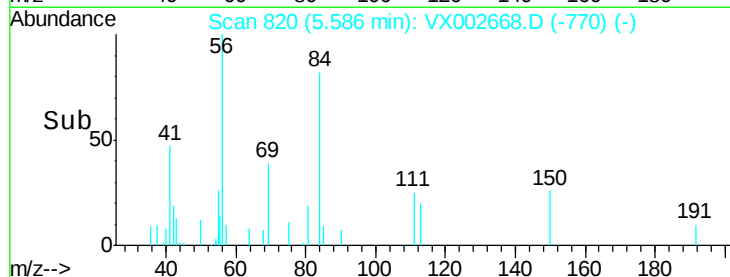
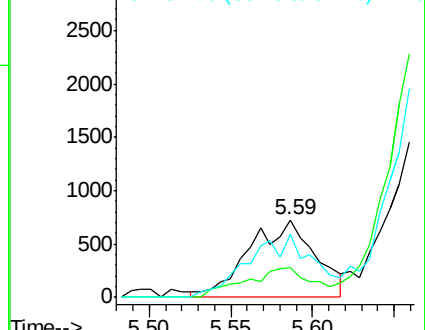
84 88.6 64.1 96.1



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: 44.767 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002668.D

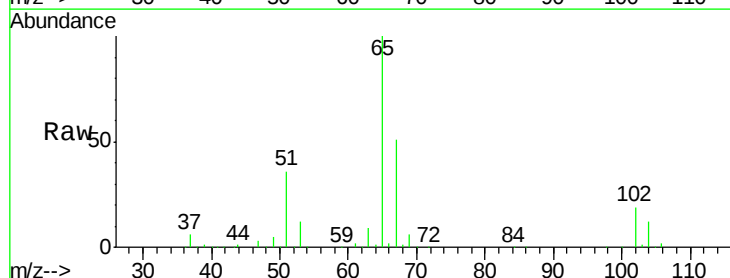
Acq: 17 Jun 2018 00:43

Tgt Ion: 65 Resp: 139116

Ion Ratio Lower Upper

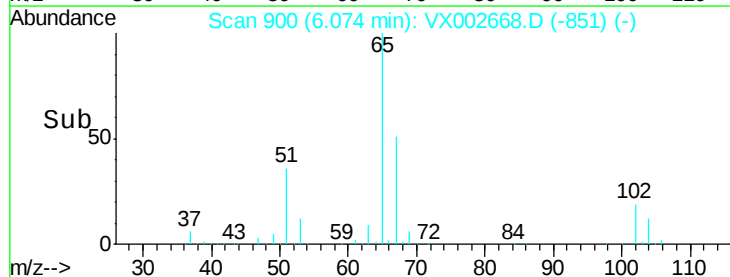
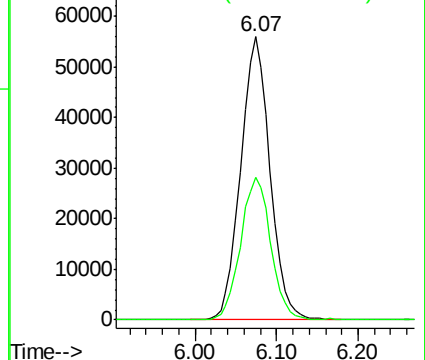
65 100

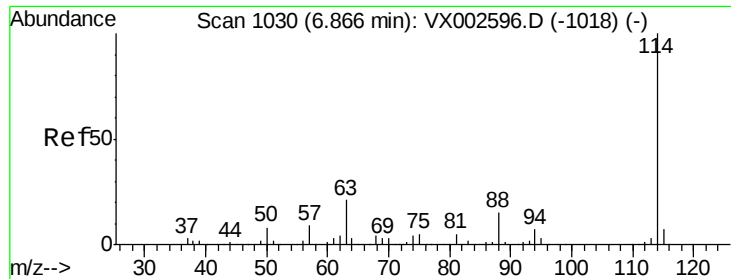
67 51.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

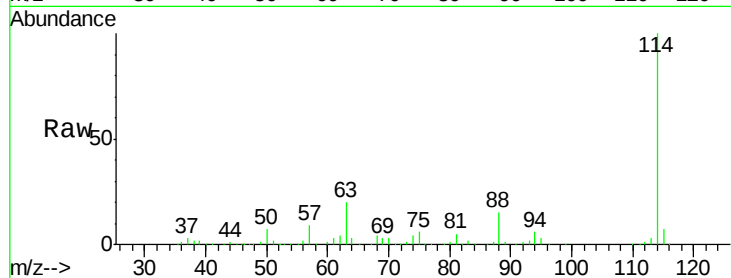




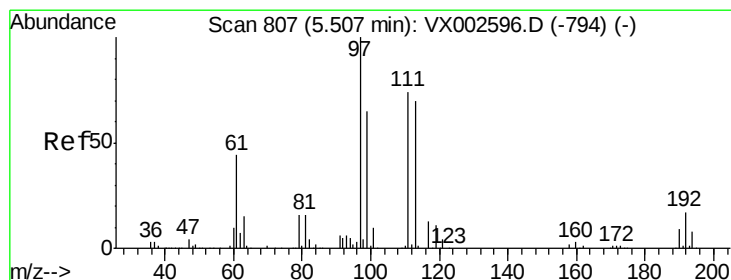
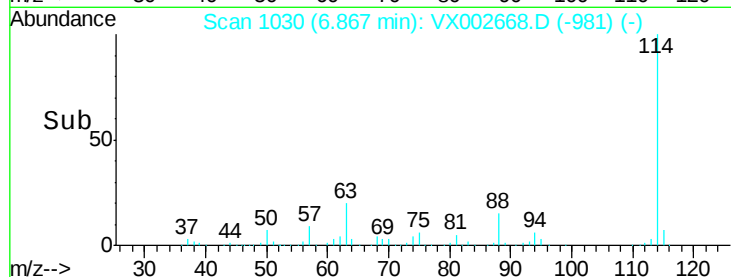
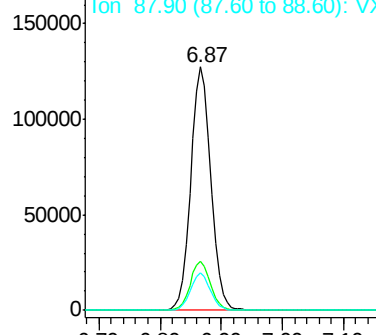
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002668.D
 Acq: 17 Jun 2018 00:43

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-GW-06132018

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.4
88	15.5	0.0	30.0

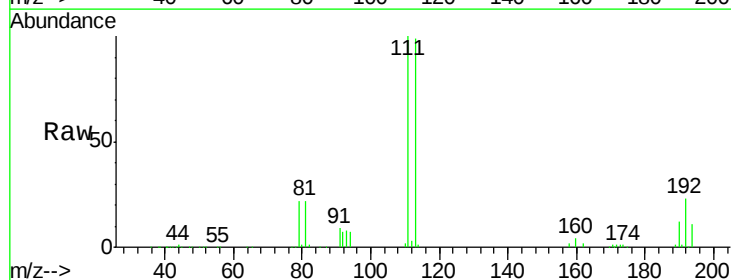


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

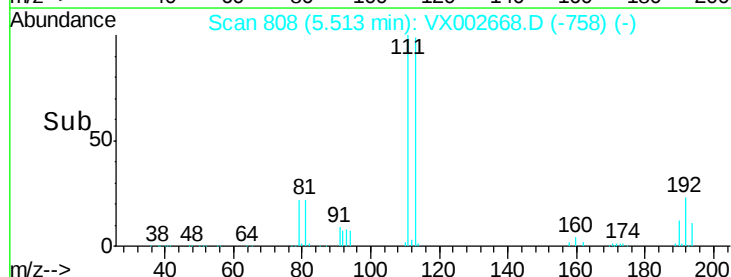
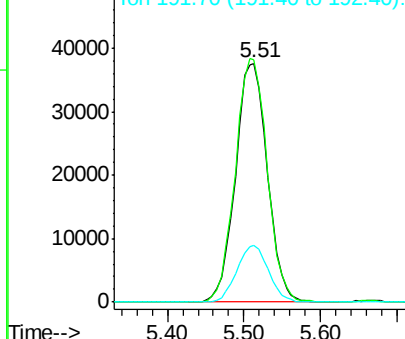


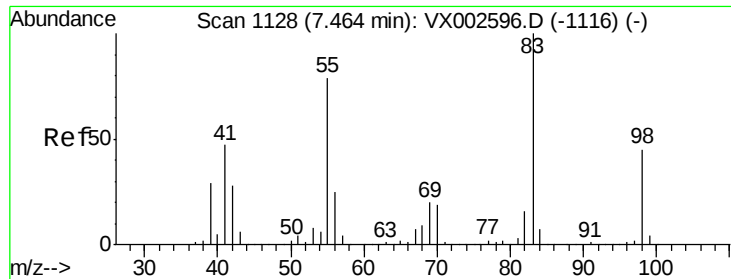
#35
 Dibromofluoromethane
 Concen: 46.727 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX002668.D
 Acq: 17 Jun 2018 00:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.4	122.0
192	23.5	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

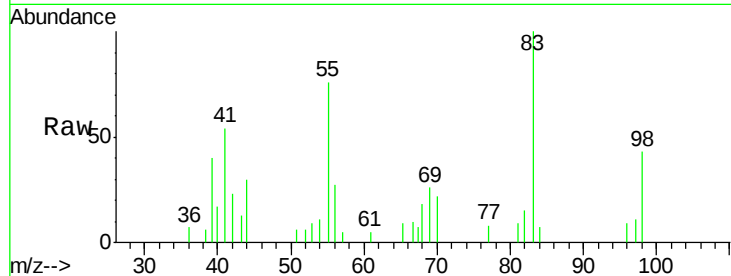




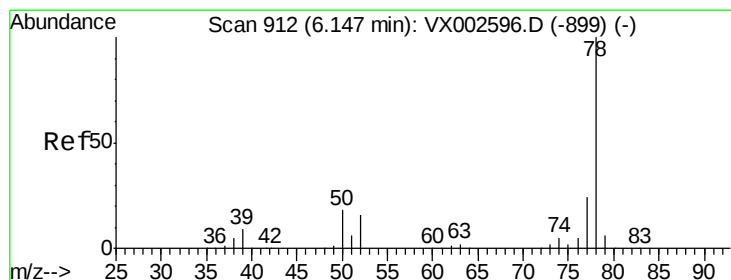
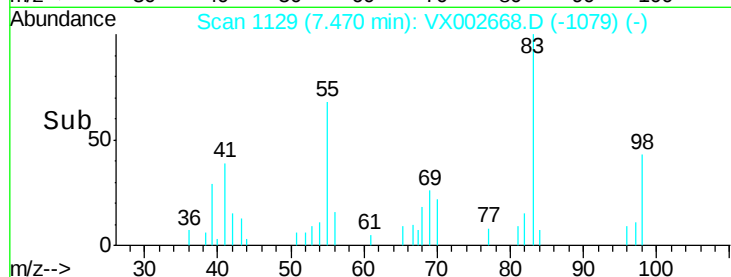
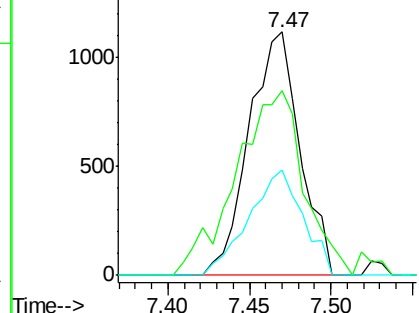
#39
Methvlcvclohexane
Concen: 0.669 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX002668.D
Acq: 17 Jun 2018 00:43

Instrument :
MSVOA_X
ClientSampleId :
IDW-GW-06132018

Tot Ion: 83 Resp: 2421
Ion Ratio Lower Upper
83 100
55 69.3 65.4 98.0
98 43.2 37.4 56.0

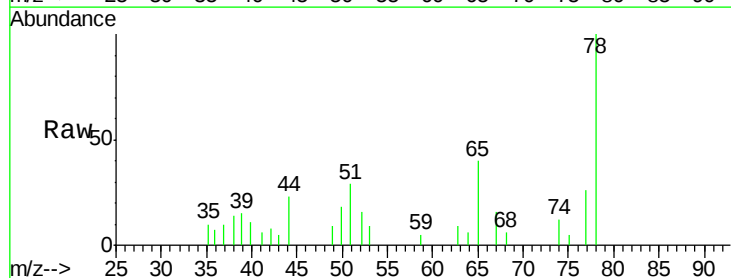


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

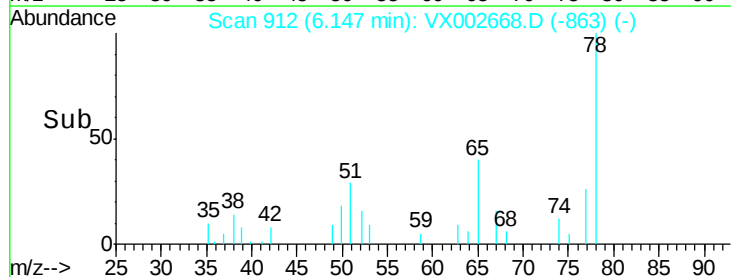
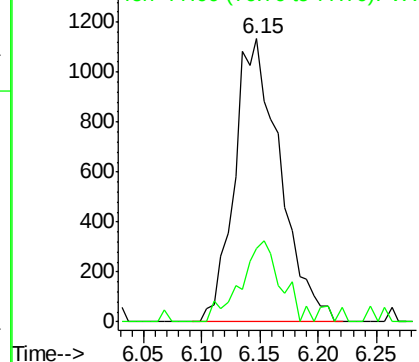


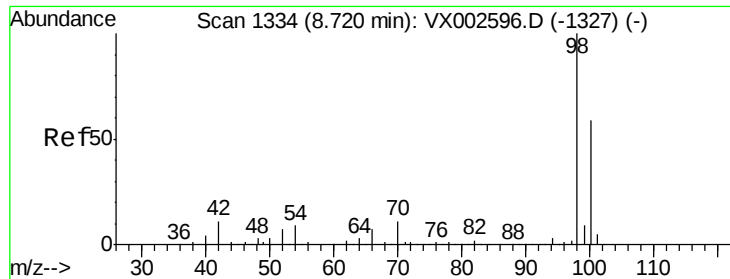
#40
Benzene
Concen: 0.332 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002668.D
Acq: 17 Jun 2018 00:43

Tgt Ion: 78 Resp: 3079
Ion Ratio Lower Upper
78 100
77 25.9 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: 47.206 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002668.D

Acq: 17 Jun 2018 00:43

Instrument :

MSVOA_X

ClientSampleId :

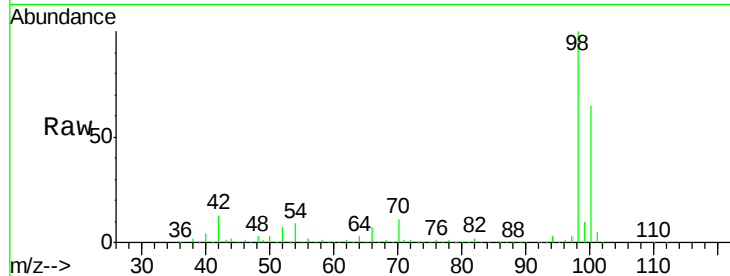
IDW-GW-06132018

Tot Ion: 98 Resp: 417148

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): VX

8.72

300000

250000

200000

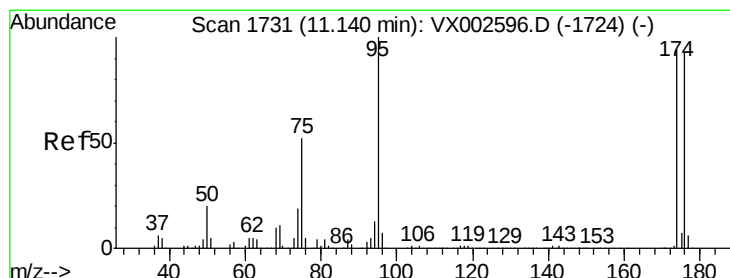
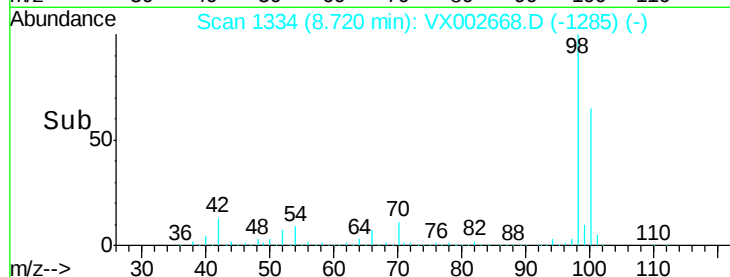
150000

100000

50000

0

Time--> 8.60 8.65 8.70 8.75 8.80



#62

4-Bromofluorobenzene

Concen: 45.063 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002668.D

Acq: 17 Jun 2018 00:43

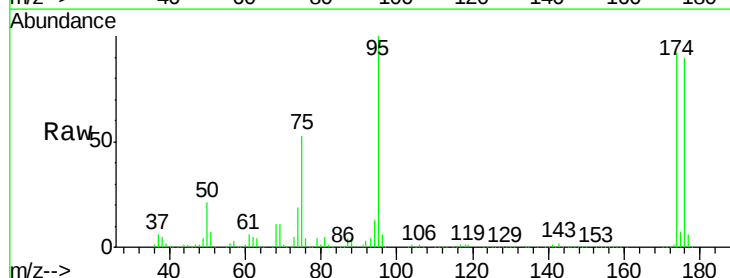
Tgt Ion: 95 Resp: 150895

Ion Ratio Lower Upper

95 100

174 95.4 0.0 187.4

176 93.0 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

11.14

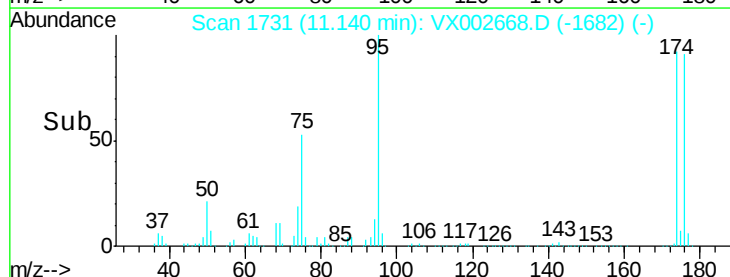
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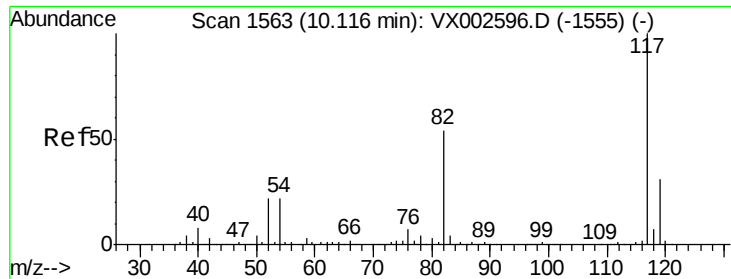
100000

50000

0

Time--> 11.10 11.20

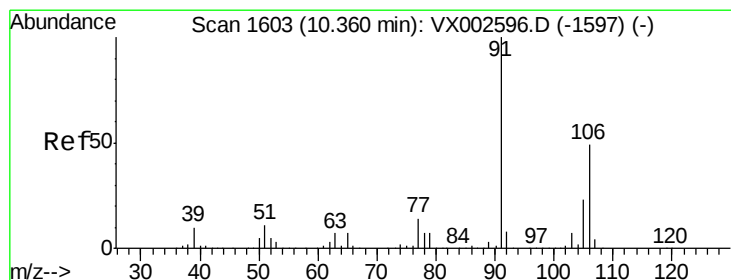
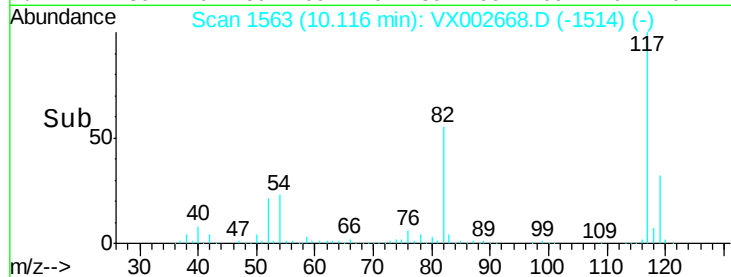
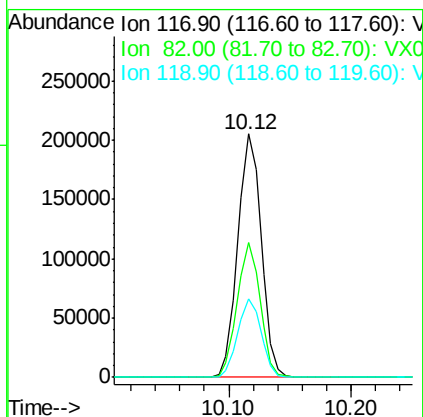
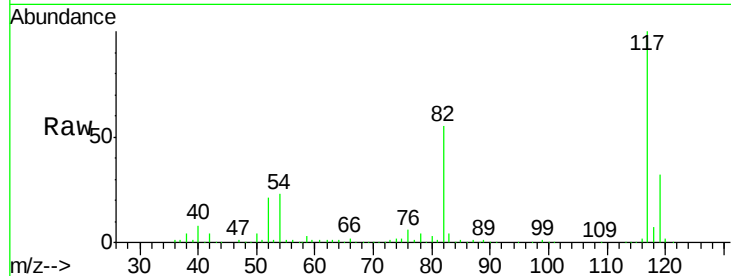




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002668.D
Acq: 17 Jun 2018 00:43

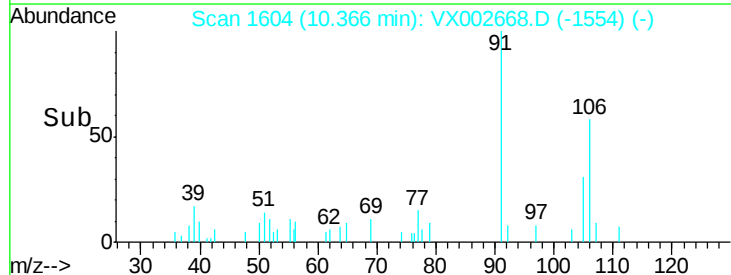
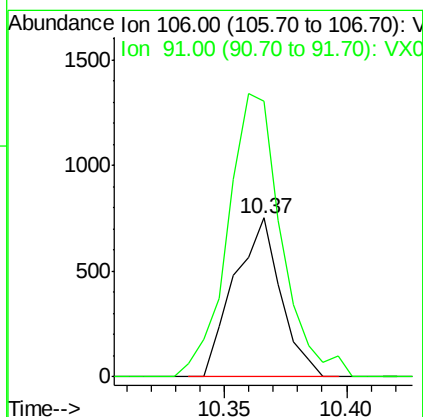
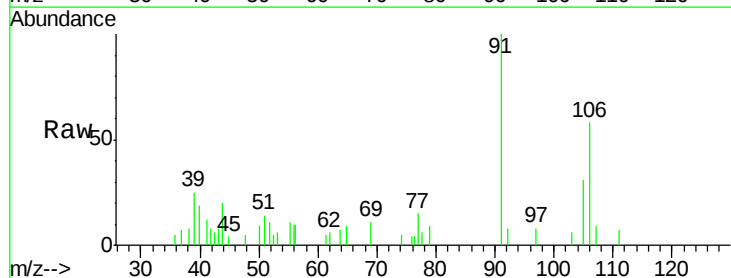
Instrument :
MSVOA_X
ClientSampleId :
IDW-GW-06132018

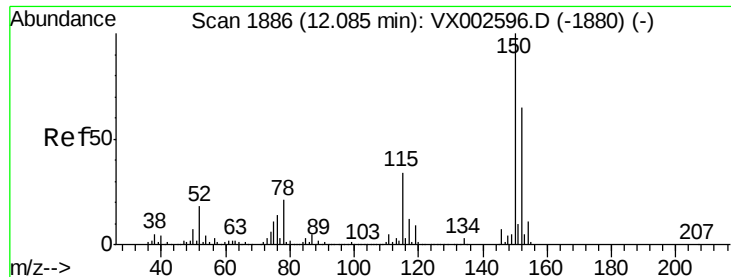
Tot Ion:117 Resp: 272140
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.4
119 32.2 25.8 38.6



#68
m/p-Xylenes
Concen: 0.229 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002668.D
Acq: 17 Jun 2018 00:43

Tgt Ion:106 Resp: 995
Ion Ratio Lower Upper
106 100
91 205.2 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002668.D

Acq: 17 Jun 2018 00:43

Instrument :

MSVOA_X

ClientSampleId :

IDW-GW-06132018

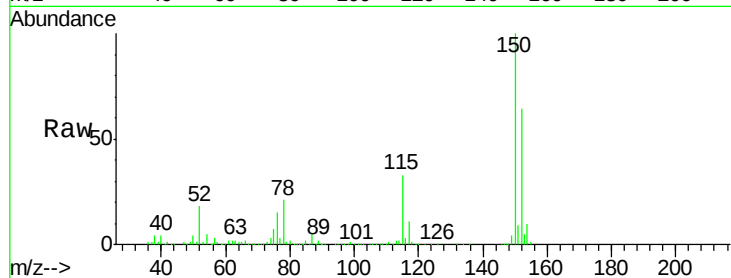
Tot Ion:152 Resp: 161870

Ion Ratio Lower Upper

152 100

115 54.7 40.1 120.2

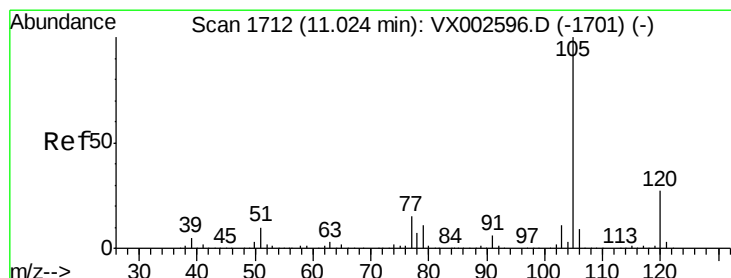
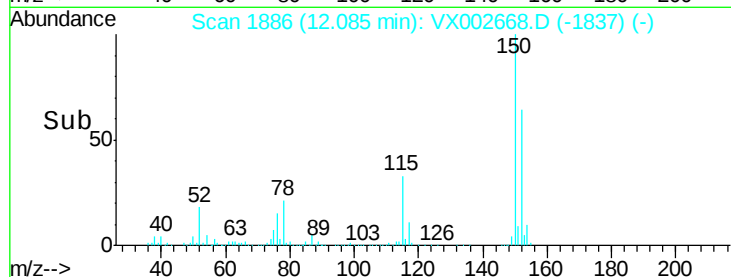
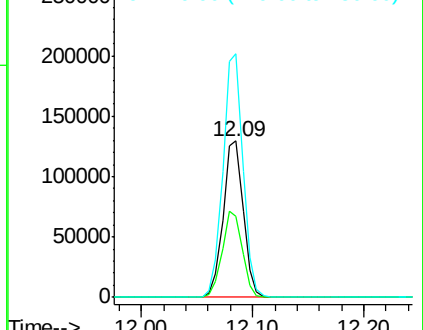
150 154.8 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.369 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX002668.D

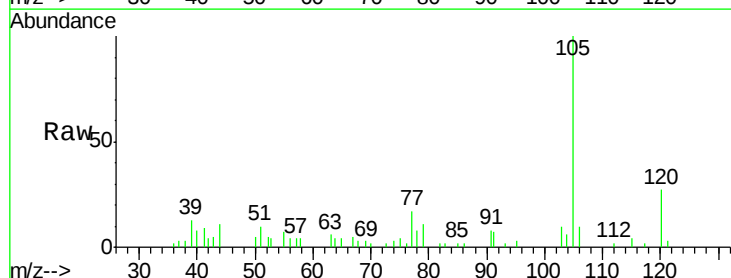
Acq: 17 Jun 2018 00:43

Tgt Ion:105 Resp: 3997

Ion Ratio Lower Upper

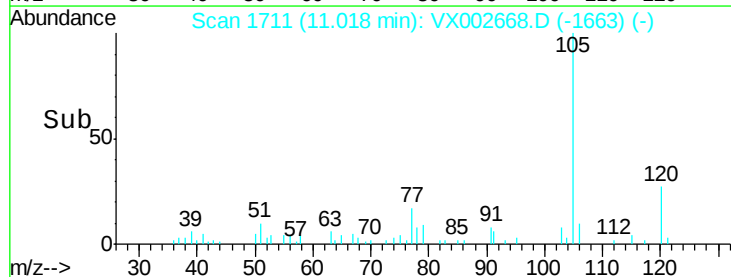
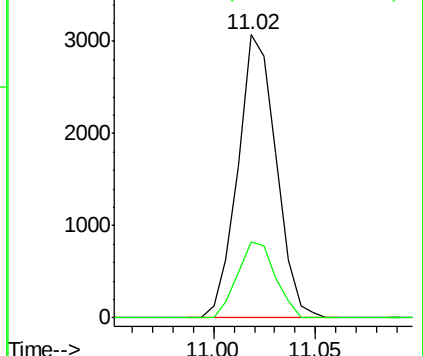
105 100

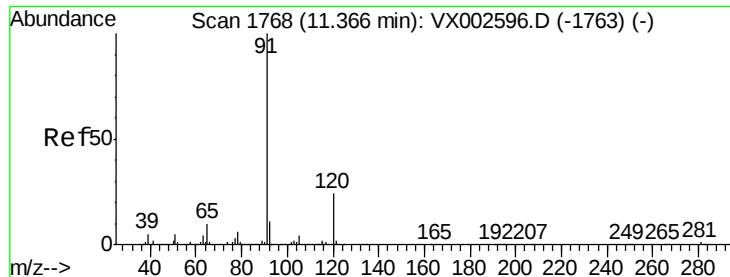
120 26.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.362 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002668.D

Acq: 17 Jun 2018 00:43

Instrument :

MSVOA_X

ClientSampleId :

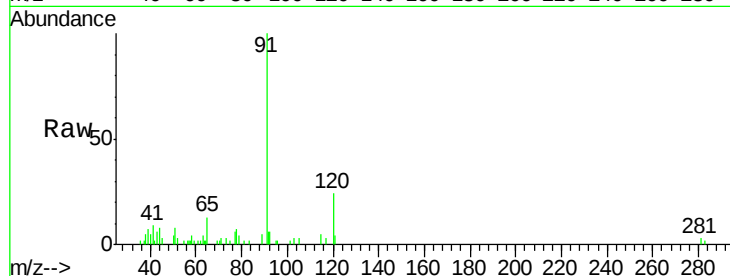
IDW-GW-06132018

Tot Ion: 91 Resp: 4499

Ion Ratio Lower Upper

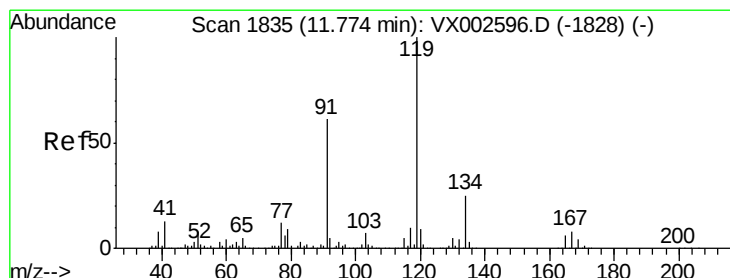
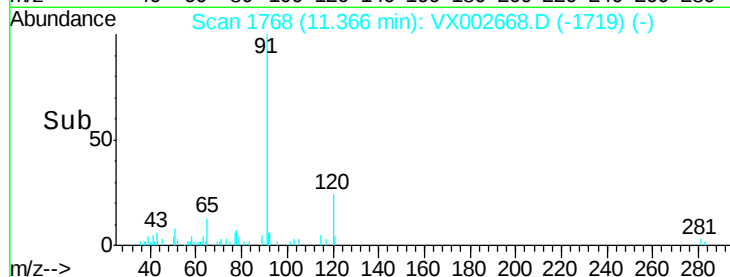
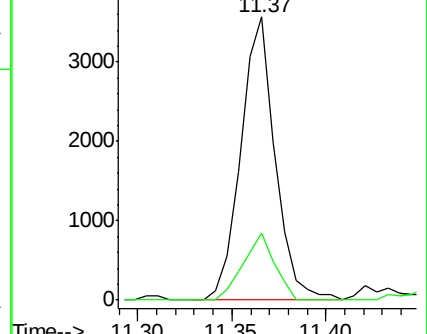
91 100

120 21.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX002596.D (-1763) (-)

Ion 120.00 (119.70 to 120.70): VX002596.D (-1763) (-)



#83

tert-Butylbenzene

Concen: 0.213 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002668.D

Acq: 17 Jun 2018 00:43

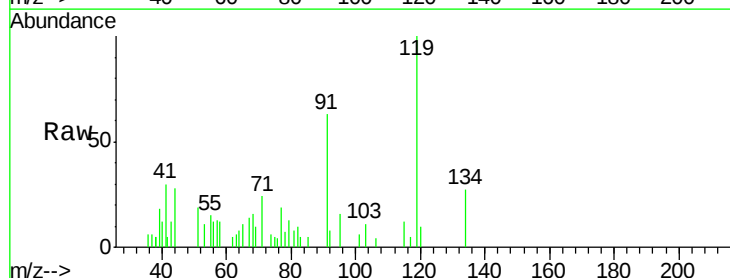
Tgt Ion: 119 Resp: 1878

Ion Ratio Lower Upper

119 100

91 67.1 30.3 90.9

134 25.9 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): VX002596.D (-1828) (-)

Ion 91.00 (90.70 to 91.70): VX002596.D (-1828) (-)

Ion 134.00 (133.70 to 134.70): VX002596.D (-1828) (-)

