

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\
 Data File : VX006431.D
 Acq On : 11 Dec 2018 19:58
 Operator : JC/MD
 Sample : J6334-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-121018

Quant Time: Dec 12 09:27:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	752020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1175767	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1101983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	550475	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	384249	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
35) Dibromofluoromethane	5.50	113	351901	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
50) Toluene-d8	8.71	98	1408525	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	11.14	95	537116	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	

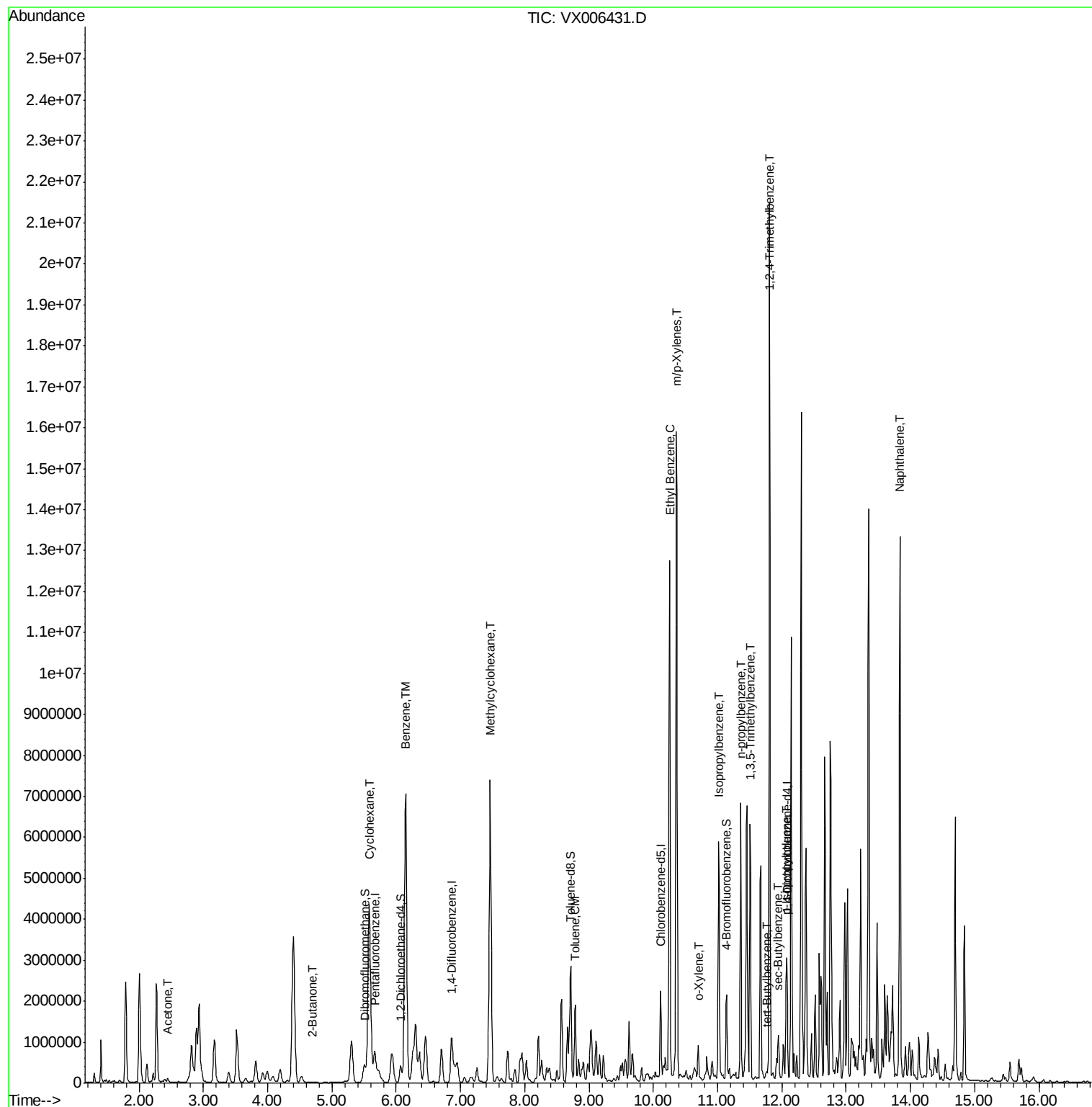
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	96123	26.681	ug/l	94
25) 2-Butanone	4.70	43	37915	7.376	ug/l	94
31) Cyclohexane	5.58	56	3078590	277.586	ug/l	97
39) Methylcyclohexane	7.46	83	3524179	274.210	ug/l	99
40) Benzene	6.15	78	8675951	292.565	ug/l	100
52) Toluene	8.79	92	719261	36.867	ug/l	100
67) Ethyl Benzene	10.26	91	7636010	196.265	ug/l	97
68) m/p-Xylenes	10.36	106	3830858	245.806	ug/l	97
69) o-Xylene	10.70	106	194042	12.605	ug/l	99
73) Isopropylbenzene	11.02	105	2965830	78.017	ug/l	100
78) n-propylbenzene	11.36	91	4040679	95.620	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	2654064	83.911	ug/l	100
83) tert-Butylbenzene	11.77	119	73225	2.170	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	8939841	273.720	ug/l	96
85) sec-Butylbenzene	11.94	105	564307	14.698	ug/l	97
86) p-Isopropyltoluene	12.07	119	641607	18.559	ug/l	99
95) Naphthalene	13.83	128	8222877	194.485	ug/l	98

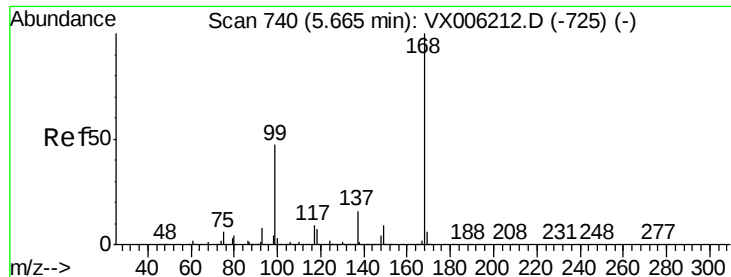
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
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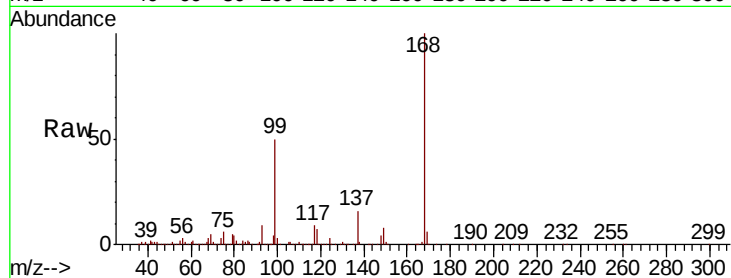


#1

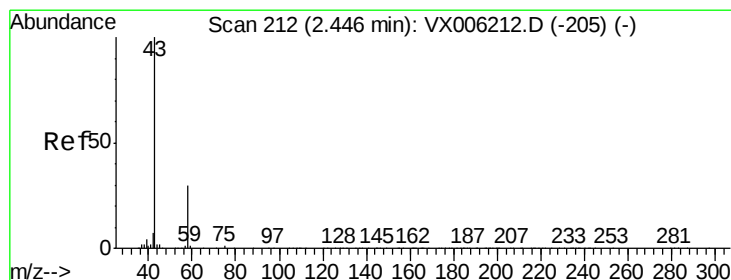
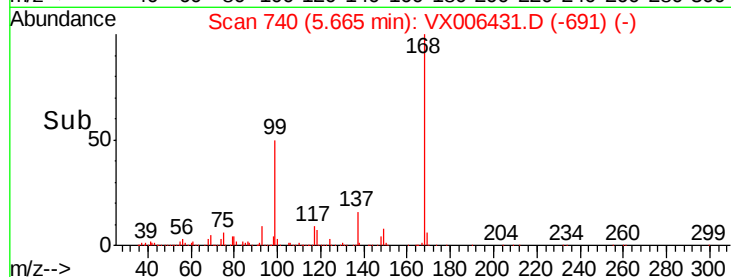
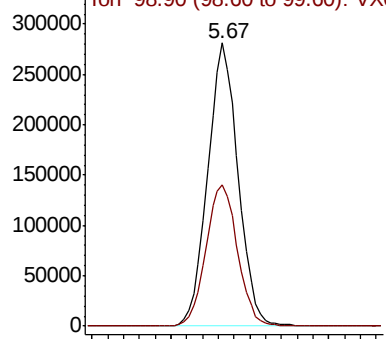
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: VX006431.D
 Acq: 11 Dec 2018 19:58

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-121018

Tot Ion:168 Resp: 752020
 Ion Ratio Lower Upper
 168 100
 99 49.7 37.8 56.8



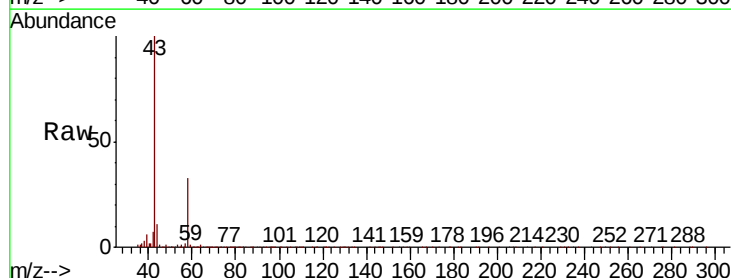
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



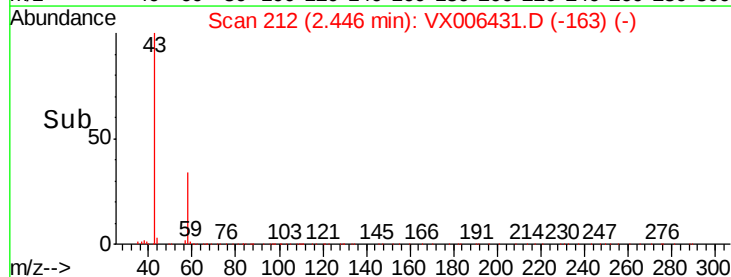
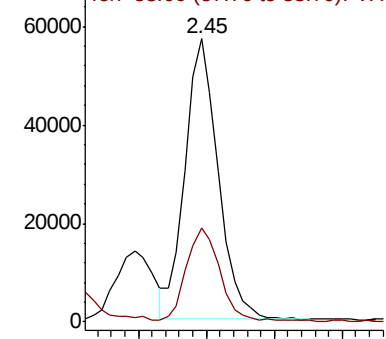
#16

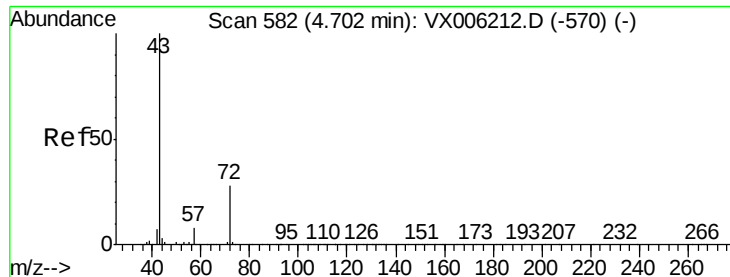
Acetone
 Concen: 26.681 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX006431.D
 Acq: 11 Dec 2018 19:58

Tgt Ion: 43 Resp: 96123
 Ion Ratio Lower Upper
 43 100
 58 33.2 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 7.376 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

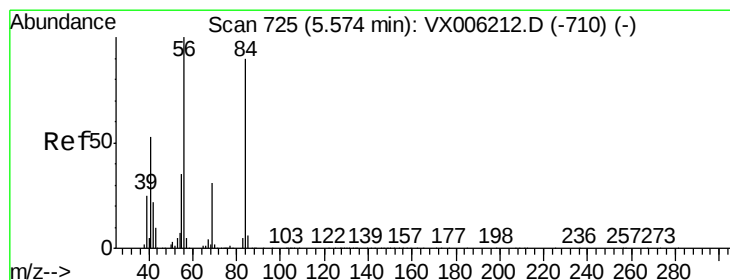
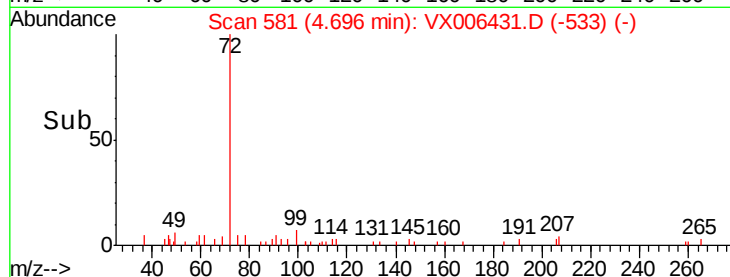
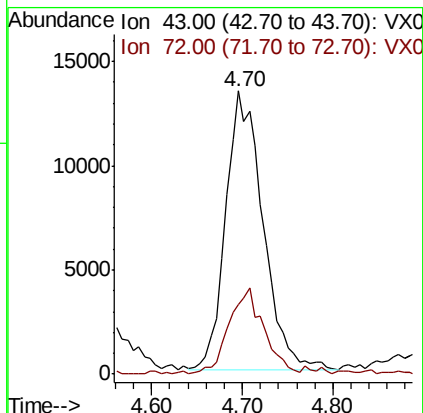
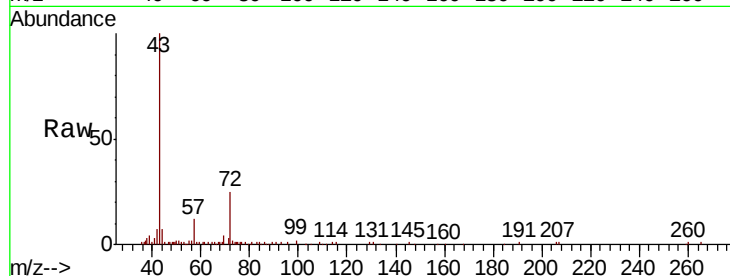
GW-121018

Tot Ion: 43 Resp: 37915

Ion Ratio Lower Upper

43 100

72 25.0 22.6 33.8



#31

Cyclohexane

Concen: 277.586 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

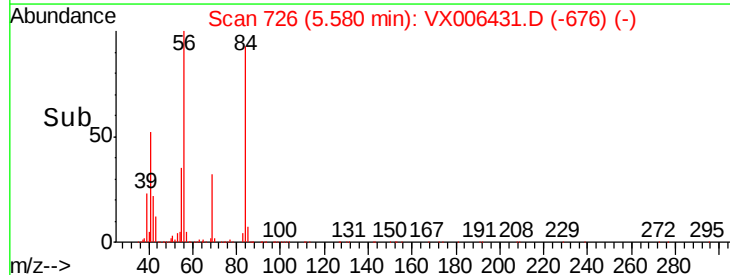
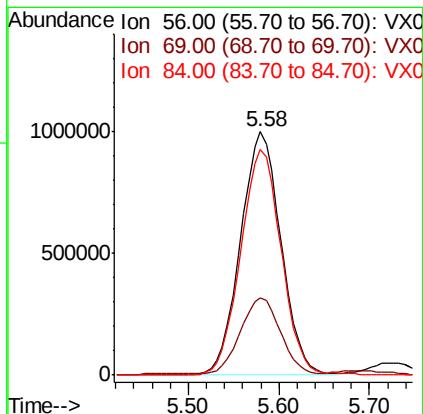
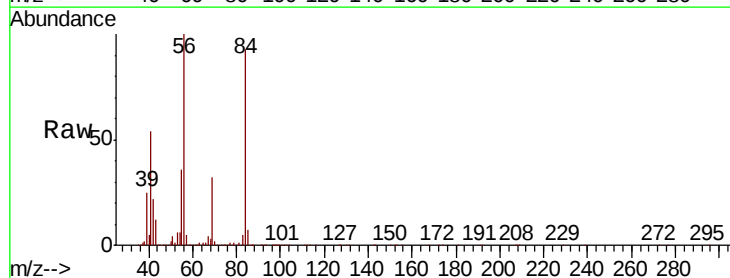
Tgt Ion: 56 Resp: 3078590

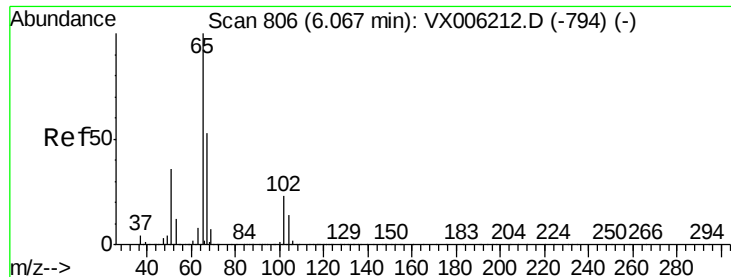
Ion Ratio Lower Upper

56 100

69 31.4 24.5 36.7

84 92.9 71.8 107.6





#33

1,2-Dichloroethane-d4

Concen: 50.052 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

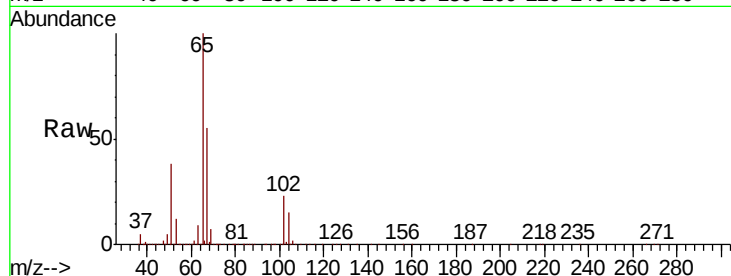
GW-121018

Tot Ion: 65 Resp: 384249

Ion Ratio Lower Upper

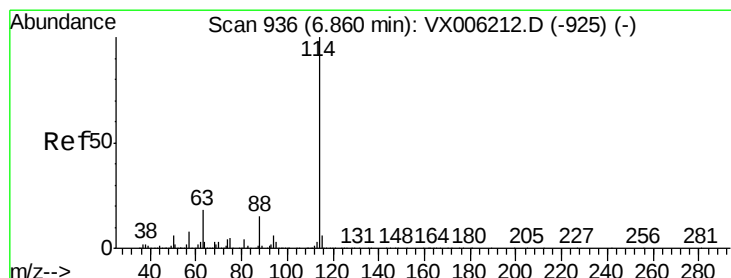
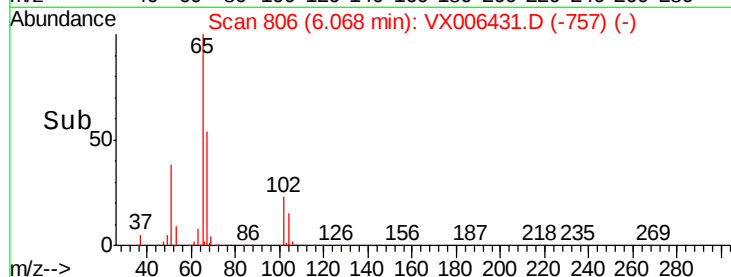
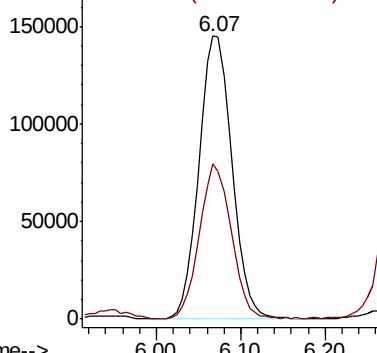
65 100

67 52.9 0.0 107.2



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

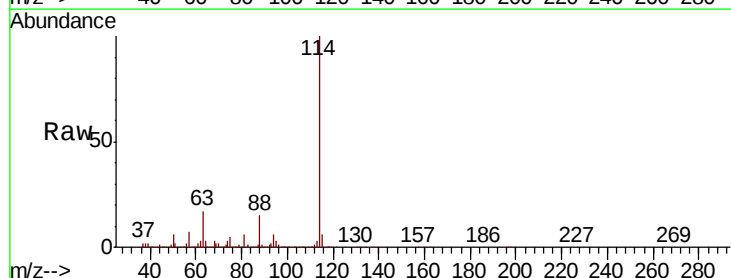
Tgt Ion: 114 Resp: 1175767

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.6

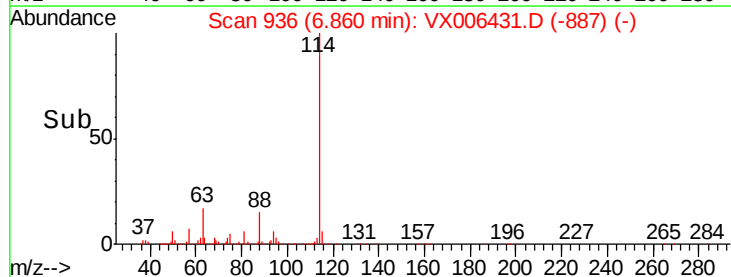
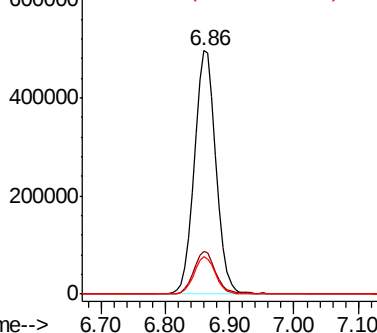
88 15.4 0.0 29.0

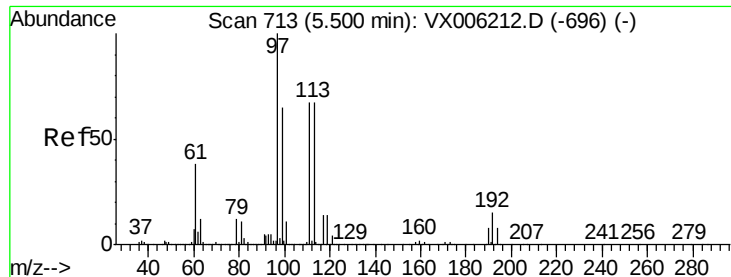


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.226 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

GW-121018

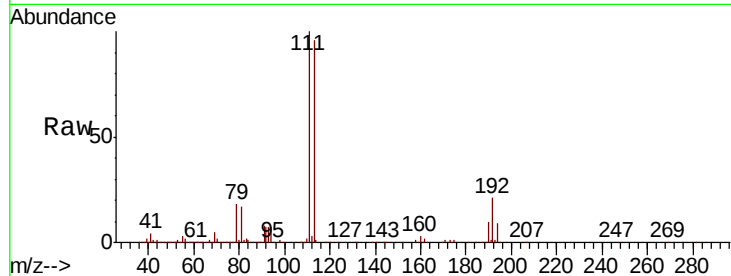
Tot Ion:113 Resp: 351901

Ion Ratio Lower Upper

113 100

111 103.1 81.1 121.7

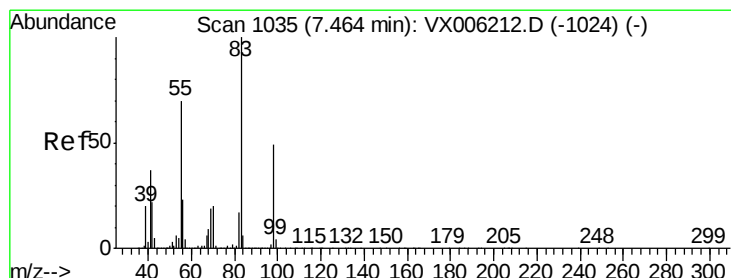
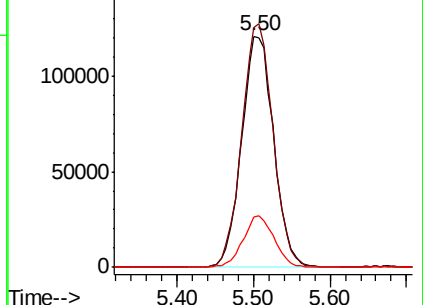
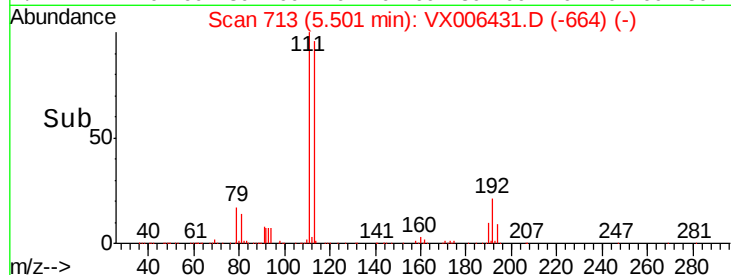
192 21.5 18.2 27.2



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: 274.210 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

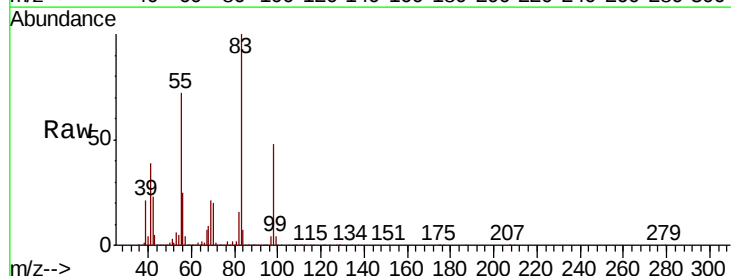
Tgt Ion: 83 Resp: 3524179

Ion Ratio Lower Upper

83 100

55 71.4 56.4 84.6

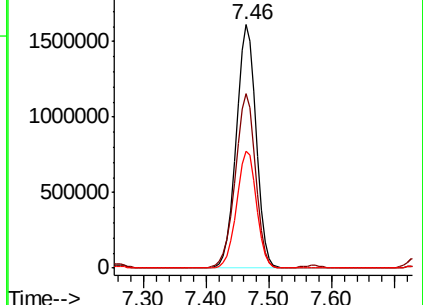
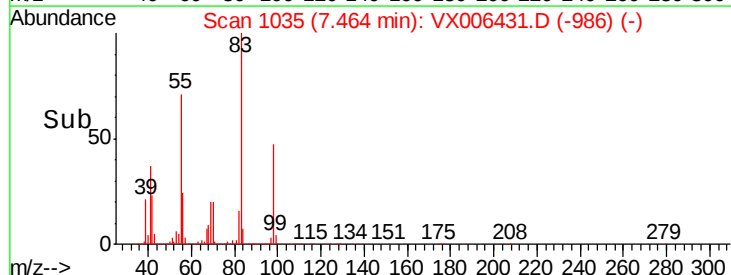
98 47.8 39.0 58.6

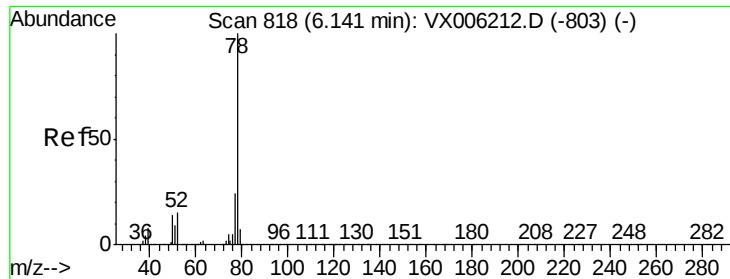


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 292.565 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

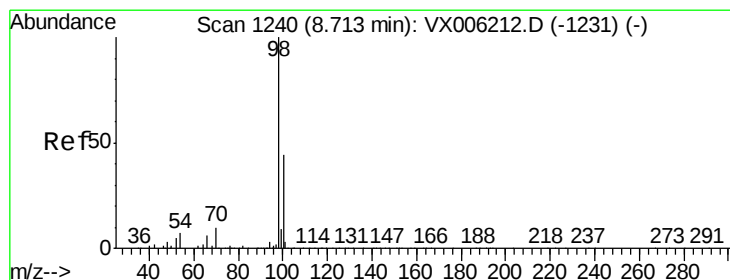
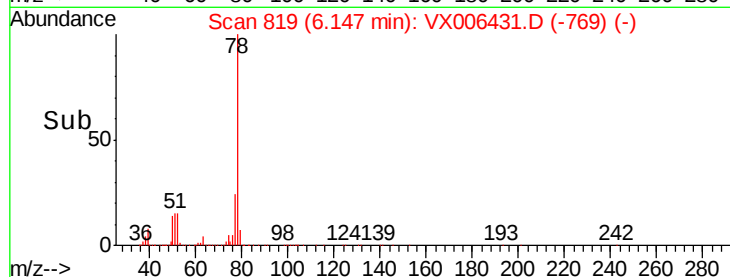
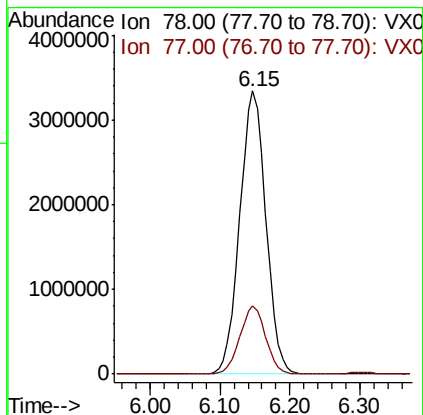
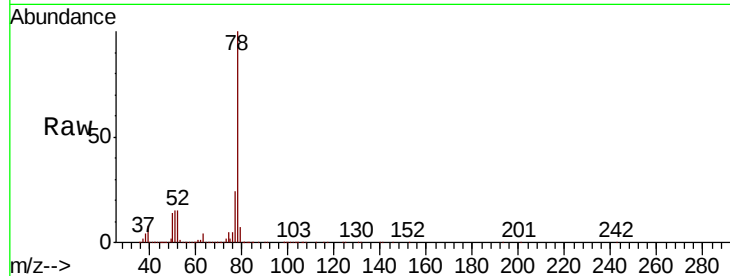
GW-121018

Tot Ion: 78 Resp: 8675951

Ion Ratio Lower Upper

78 100

77 24.0 19.2 28.8



#50

Toluene-d8

Concen: 50.867 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006431.D

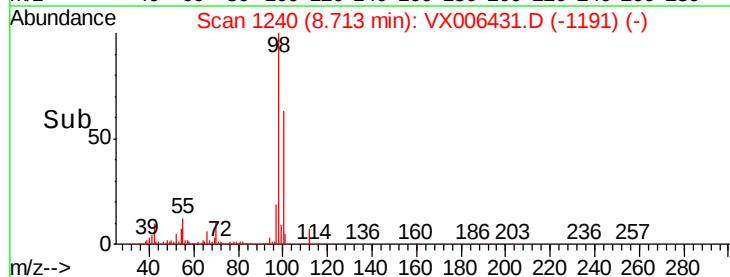
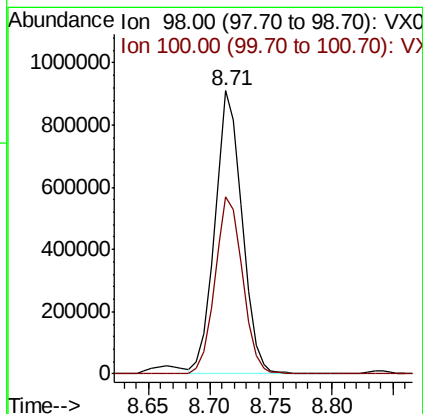
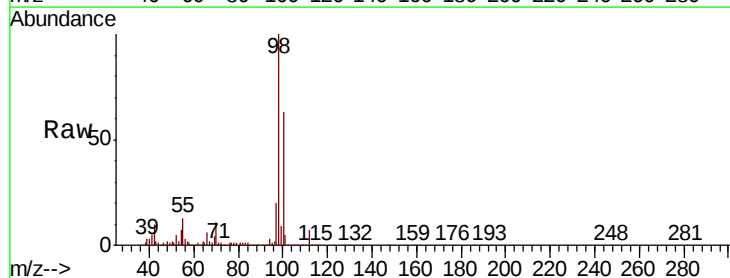
Acq: 11 Dec 2018 19:58

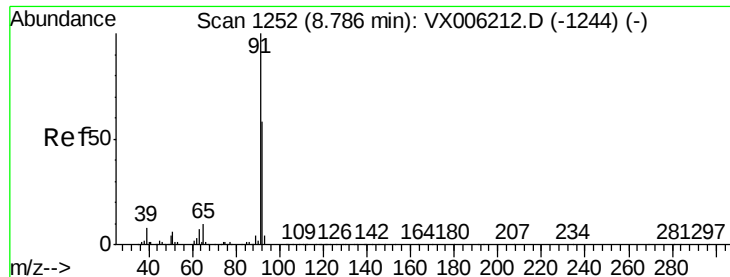
Tgt Ion: 98 Resp: 1408525

Ion Ratio Lower Upper

98 100

100 63.7 52.2 78.2





#52

Toluene

Concen: 36.867 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

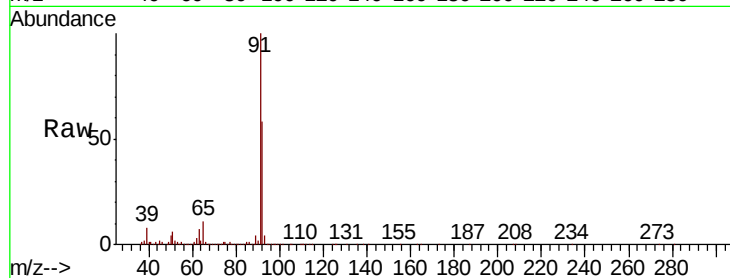
GW-121018

Tot Ion: 92 Resp: 719261

Ion Ratio Lower Upper

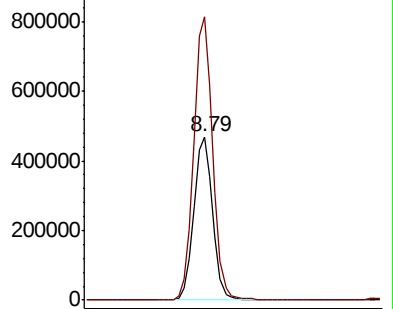
92 100

91 173.8 139.2 208.8

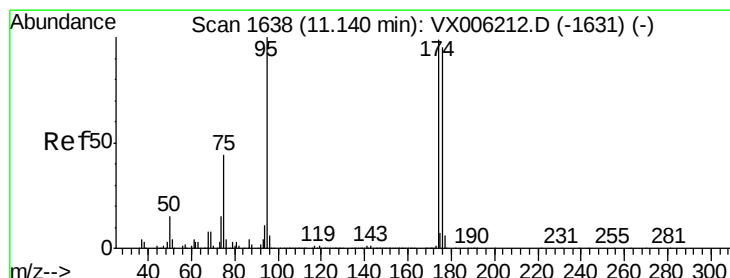
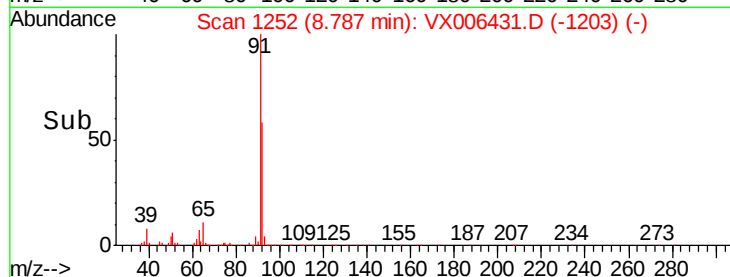


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 51.475 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

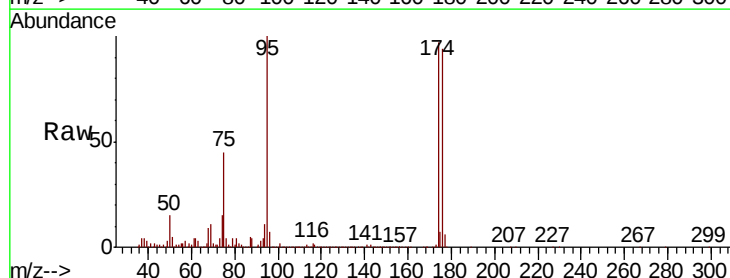
Tgt Ion: 95 Resp: 537116

Ion Ratio Lower Upper

95 100

174 91.5 0.0 187.0

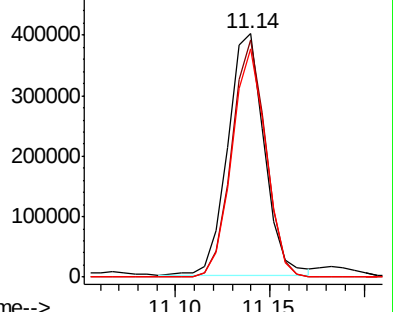
176 88.4 0.0 181.8



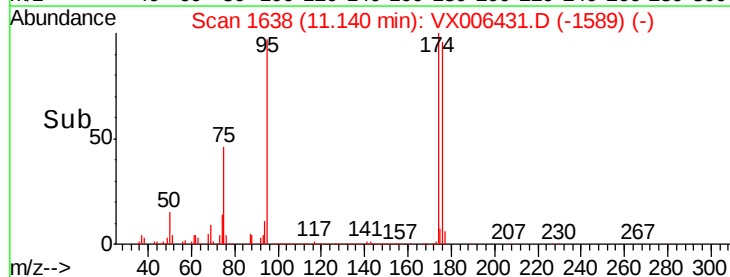
Abundance Ion 94.90 (94.60 to 95.60): VX0

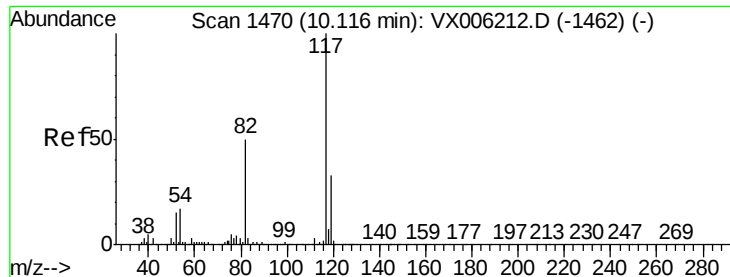
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampled :

GW-121018

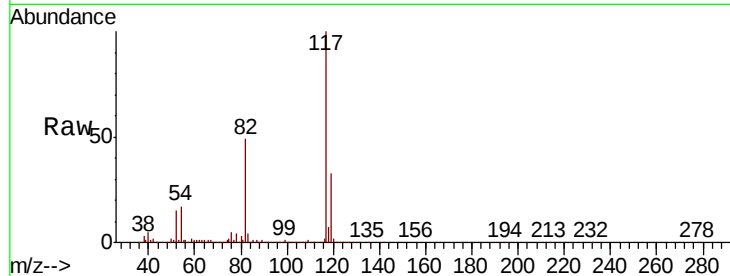
Tot Ion:117 Resp: 1101983

Ion Ratio Lower Upper

117 100

82 48.4 39.6 59.4

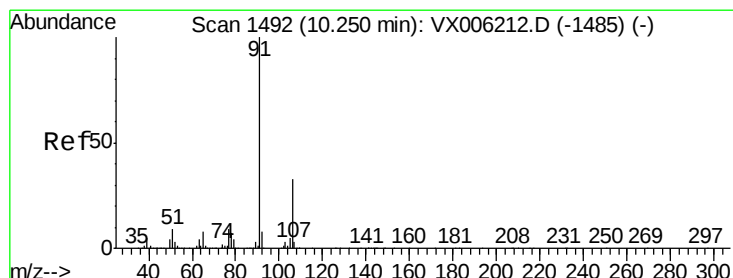
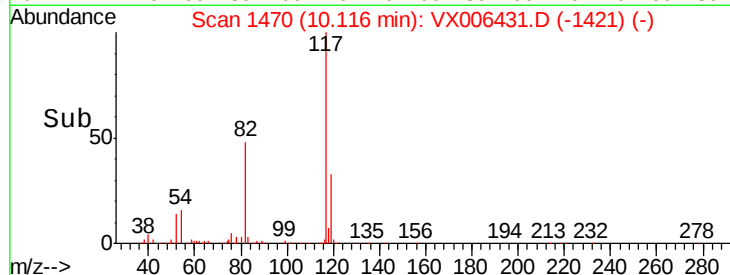
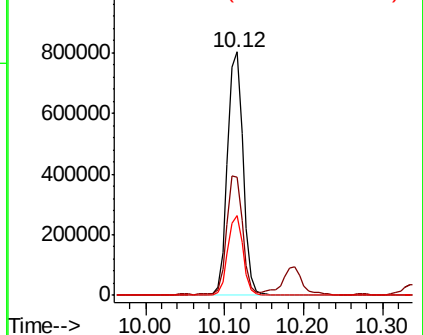
119 32.7 26.3 39.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 196.265 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX006431.D

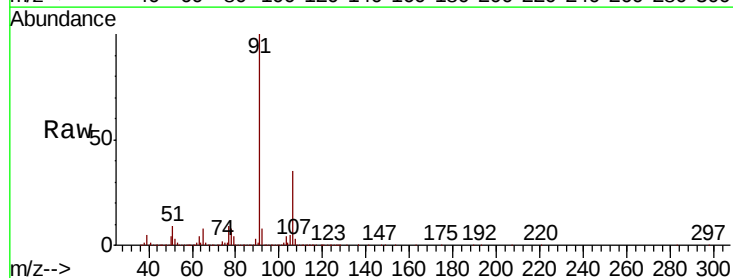
Acq: 11 Dec 2018 19:58

Tgt Ion: 91 Resp: 7636010

Ion Ratio Lower Upper

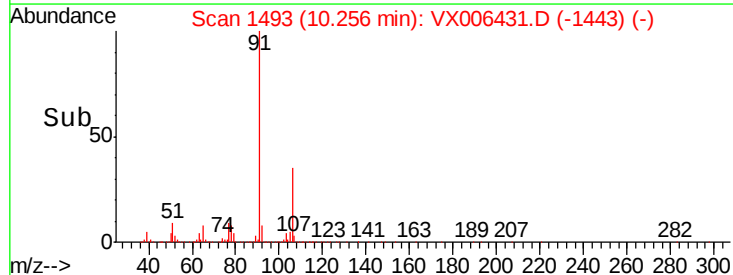
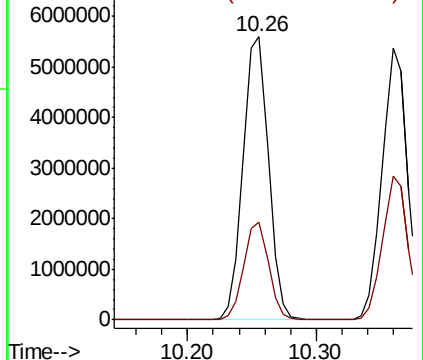
91 100

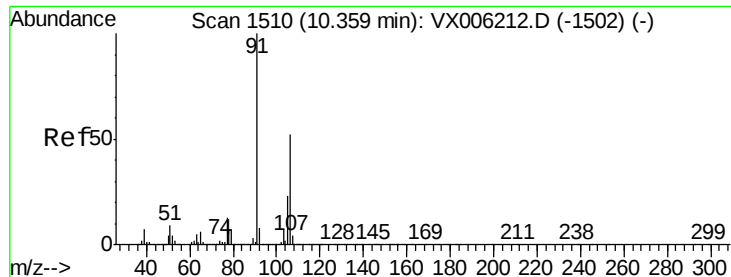
106 34.8 26.5 39.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

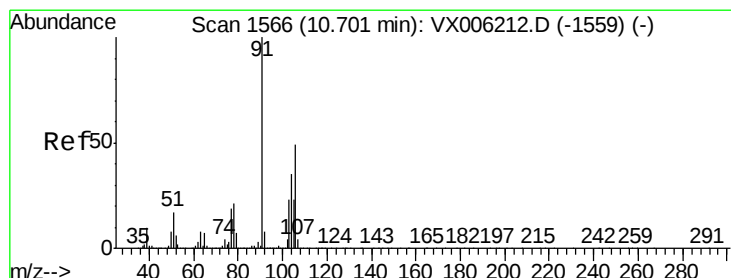
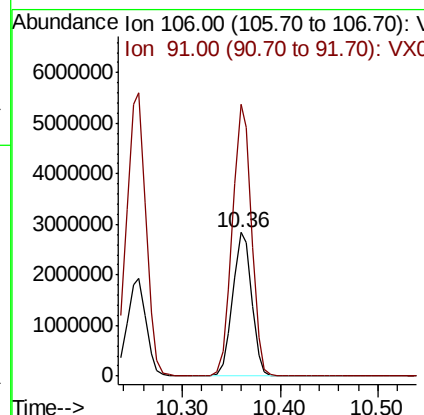
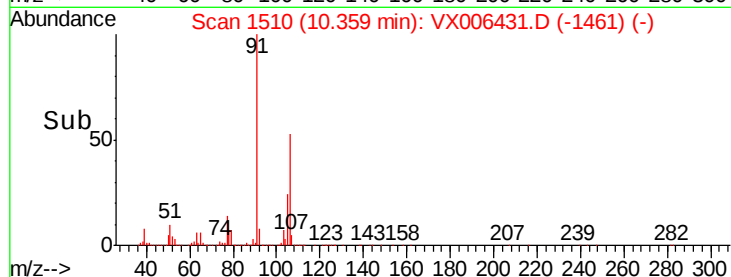
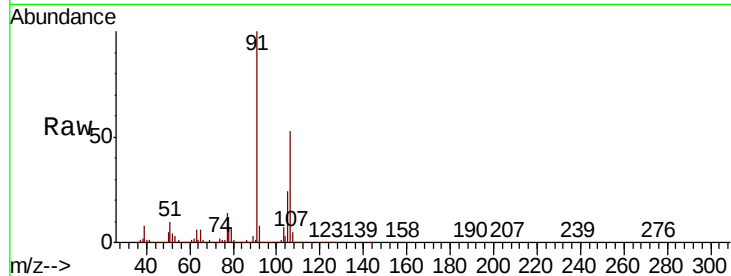




#68
m/p-Xylenes
Concen: 245.806 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

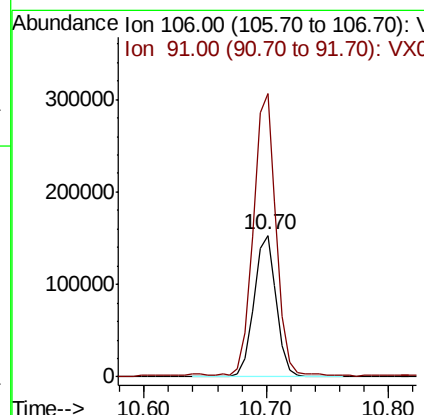
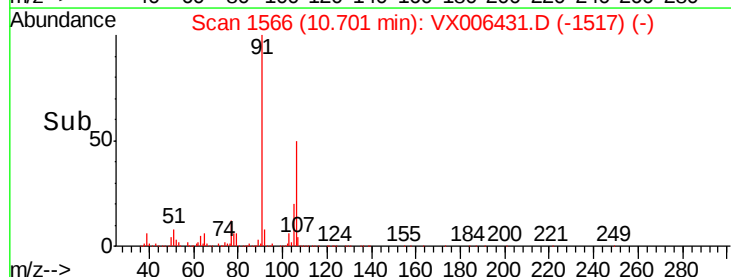
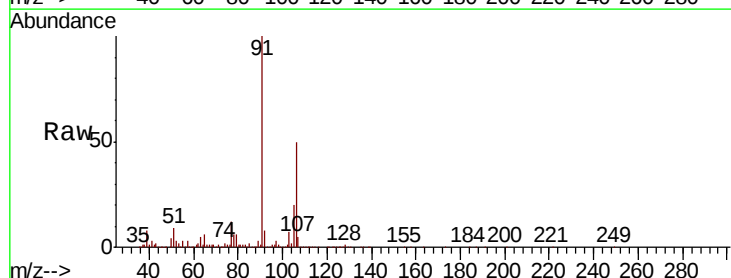
Instrument :
MSVOA_X
ClientSampleId :
GW-121018

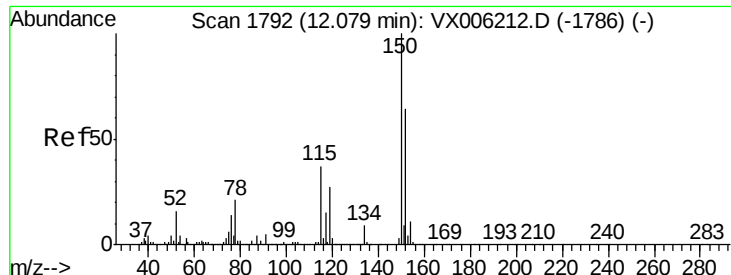
Tot Ion:106 Resp: 3830858
Ion Ratio Lower Upper
106 100
91 189.7 155.2 232.8



#69
o-Xylene
Concen: 12.605 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

Tgt Ion:106 Resp: 194042
Ion Ratio Lower Upper
106 100
91 202.7 101.8 305.6



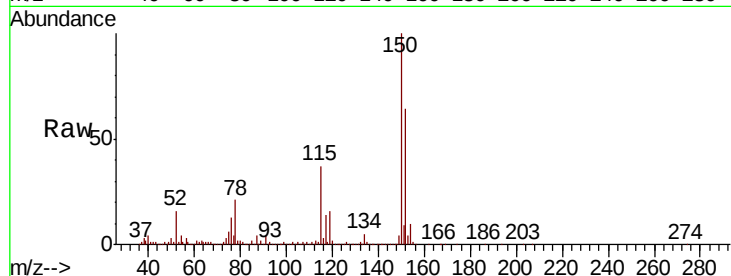


#72

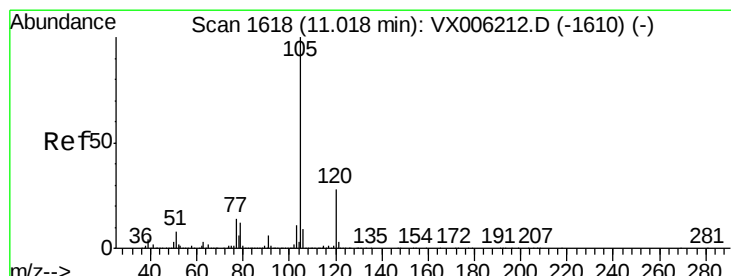
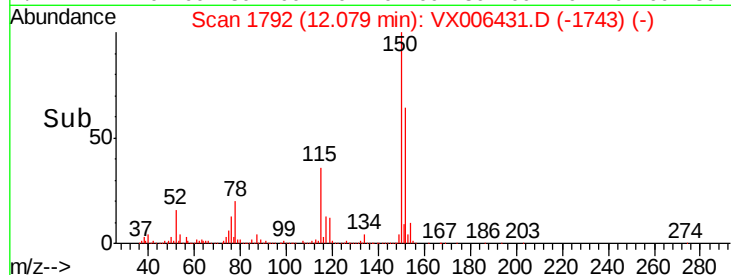
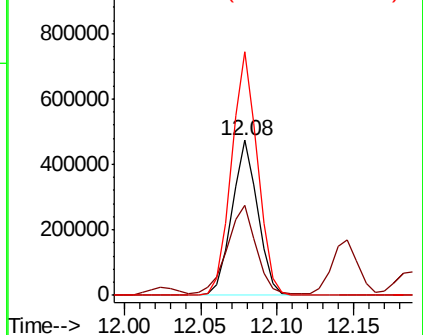
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
GW-121018

Tot Ion	Ratio	Lower	Upper
152	100		
115	63.2	39.0	116.9
150	158.3	0.0	345.8



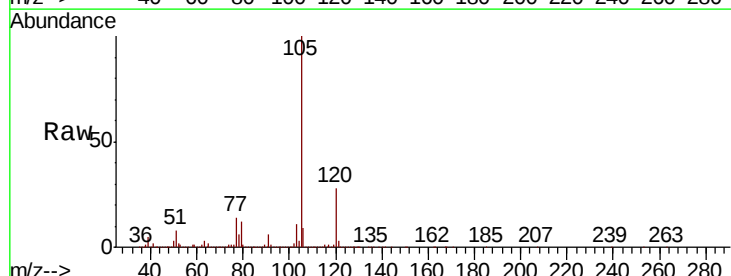
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



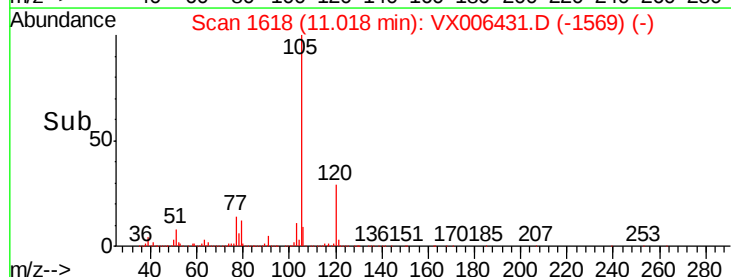
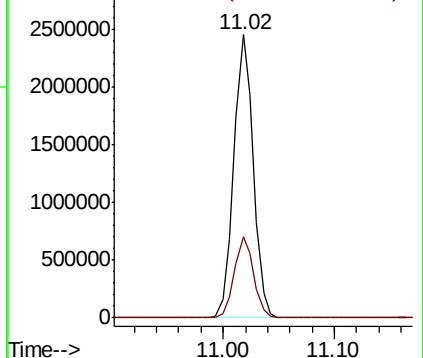
#73

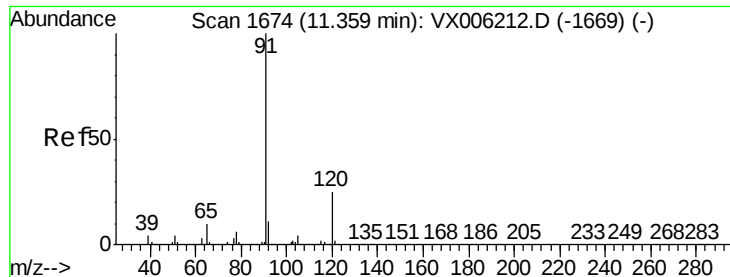
Isopropylbenzene
Concen: 78.017 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.3	14.1	42.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 95.620 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

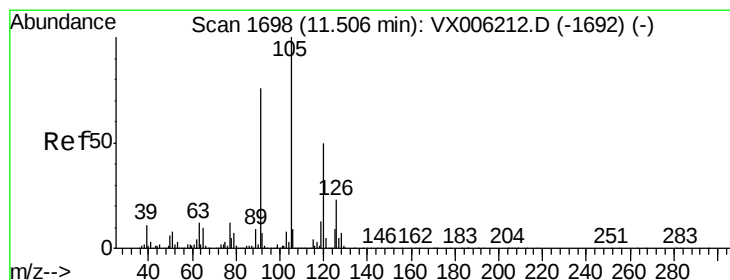
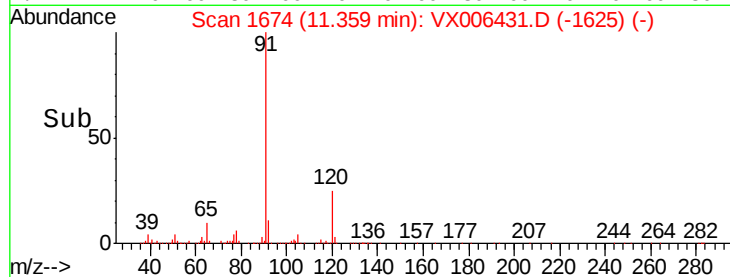
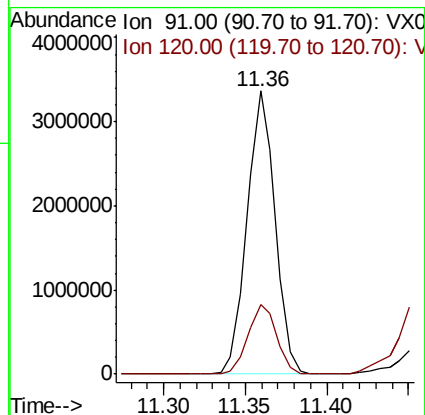
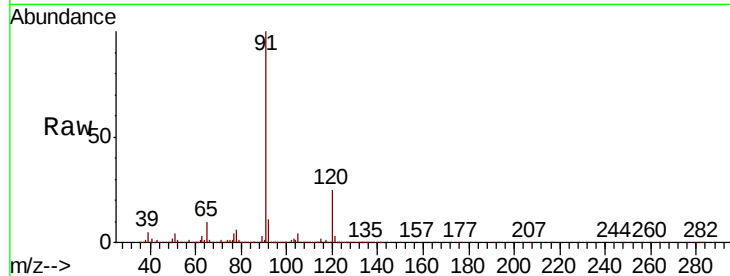
GW-121018

Tot Ion: 91 Resp: 4040679

Ion Ratio Lower Upper

91 100

120 25.2 12.7 38.0



#80

1,3,5-Trimethylbenzene

Concen: 83.911 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006431.D

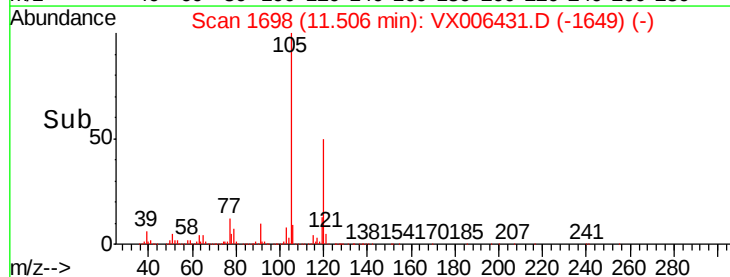
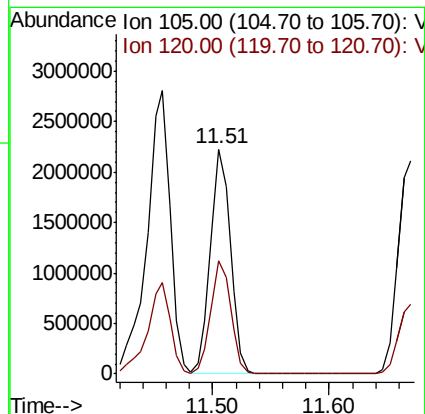
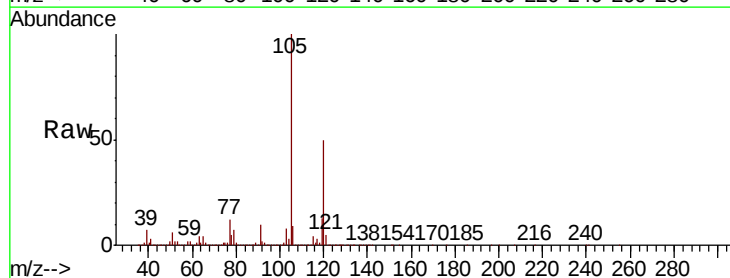
Acq: 11 Dec 2018 19:58

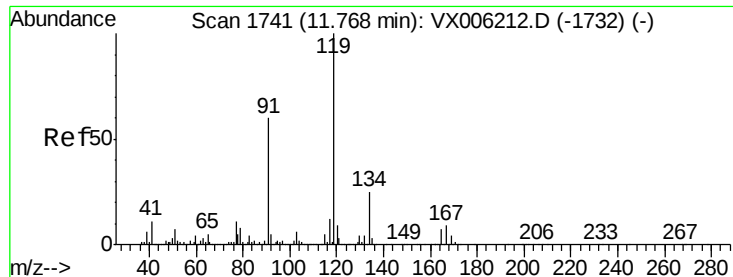
Tgt Ion: 105 Resp: 2654064

Ion Ratio Lower Upper

105 100

120 50.6 25.4 76.0

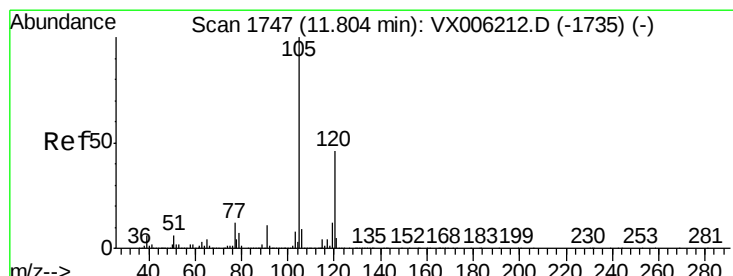
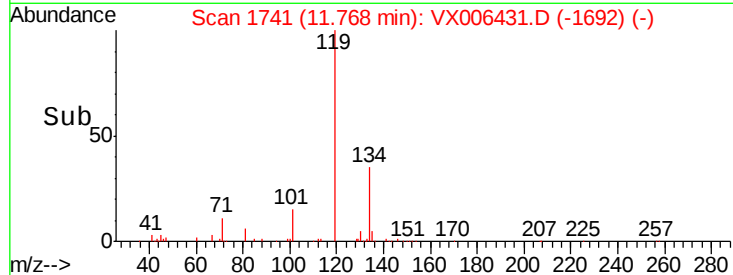
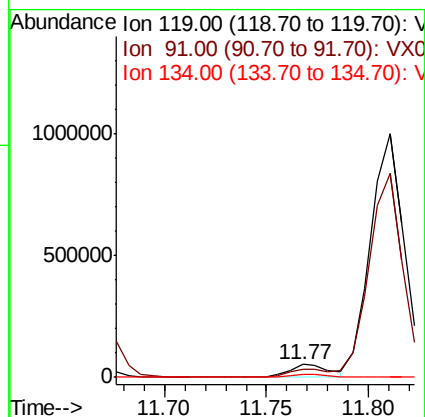
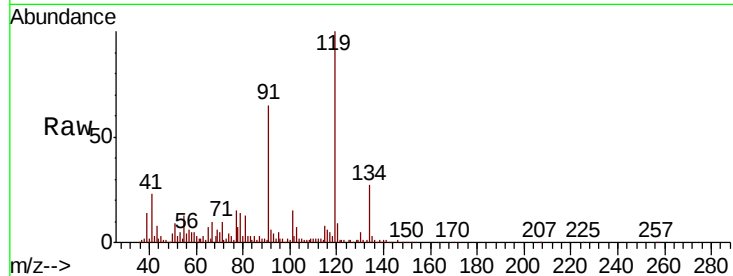




#83
tert-Butylbenzene
Concen: 2.170 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

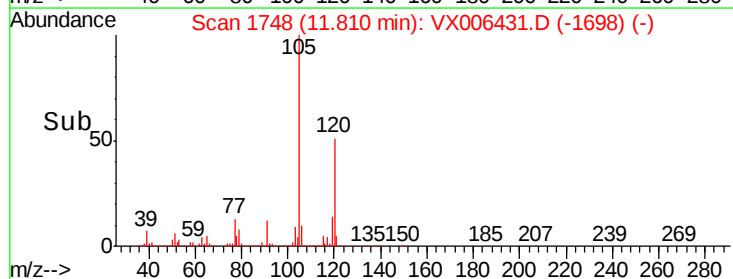
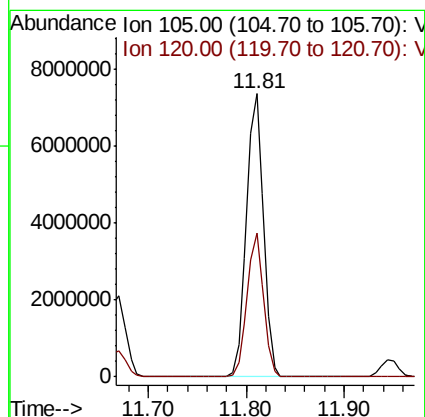
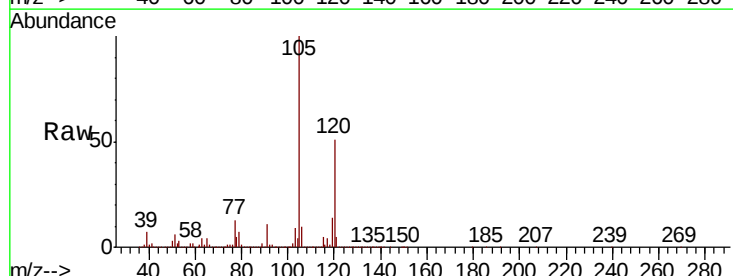
Instrument :
MSVOA_X
ClientSampled :
GW-121018

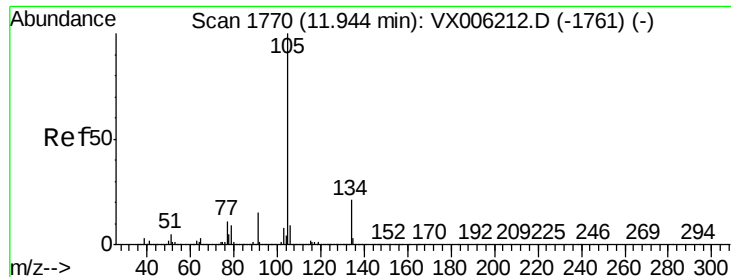
Tot Ion:119 Resp: 73225
Ion Ratio Lower Upper
119 100
91 55.9 26.4 79.2
134 25.1 11.6 34.7



#84
1,2,4-Trimethylbenzene
Concen: 273.720 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

Tgt Ion:105 Resp: 8939841
Ion Ratio Lower Upper
105 100
120 49.2 23.4 70.0





#85

sec-Butylbenzene

Concen: 14.698 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

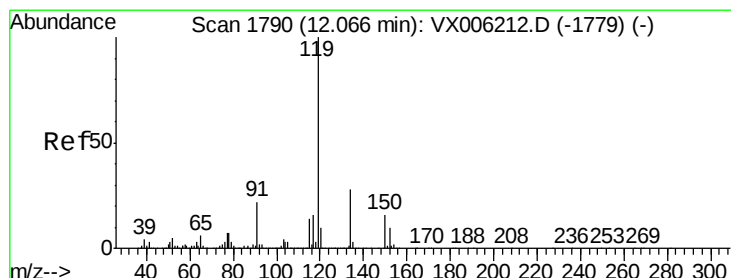
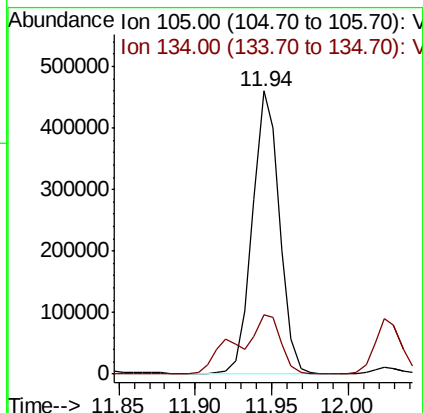
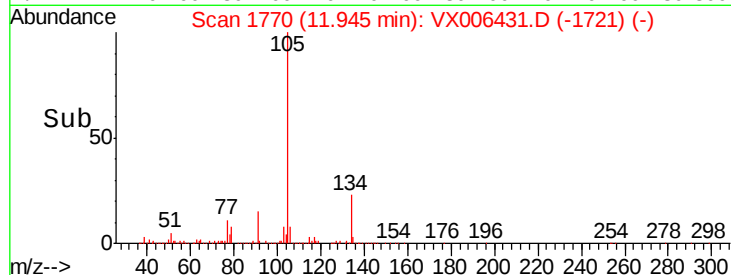
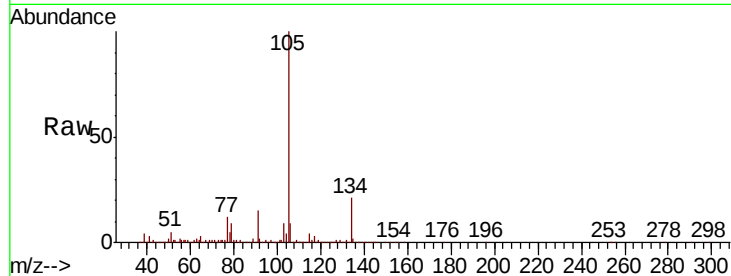
GW-121018

Tot Ion:105 Resp: 564307

Ion Ratio Lower Upper

105 100

134 20.3 10.8 32.4



#86

p-Isopropyltoluene

Concen: 18.559 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

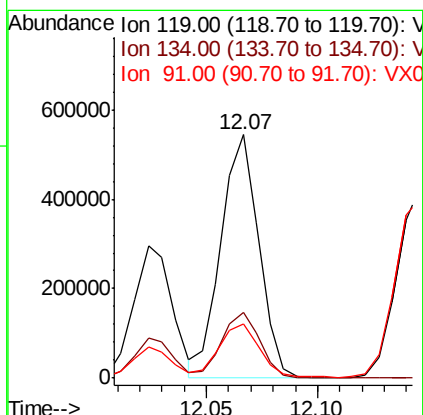
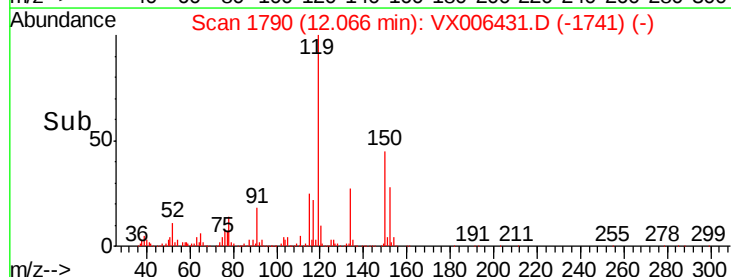
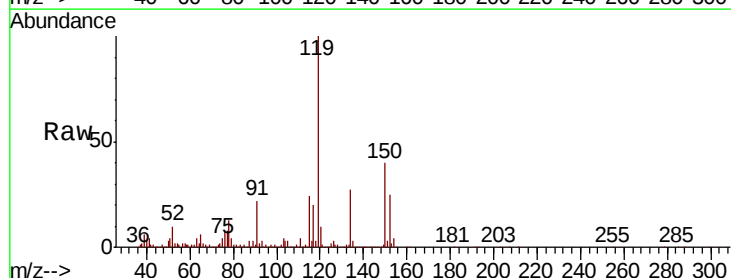
Tgt Ion:119 Resp: 641607

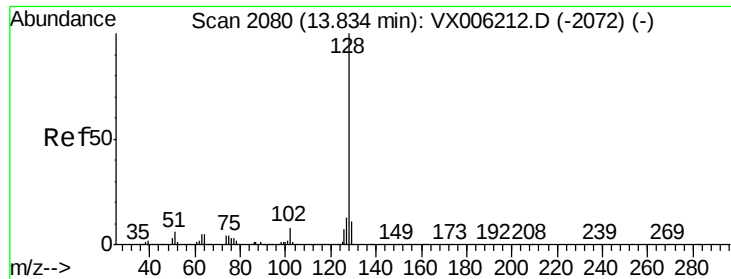
Ion Ratio Lower Upper

119 100

134 27.5 13.9 41.6

91 23.3 11.3 33.8





#95
Naphthalene
Concen: 194.485 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
GW-121018

Tot Ion:128 Resp: 8222877
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.4
129 11.9 8.9 13.3

