

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070318\
 Data File : VX003151.D
 Acq On : 03 Jul 2018 16:19
 Operator : JC/MD
 Sample : J3754-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S10-0140

Quant Time: Jul 05 09:36:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	272420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	382175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	374145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211643	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	171215	45.47	ug/l	0.01
Spiked Amount			Recovery	=	90.94%	
35) Dibromofluoromethane	5.51	113	142625	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
50) Toluene-d8	8.72	98	538887	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.14	95	203548	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	

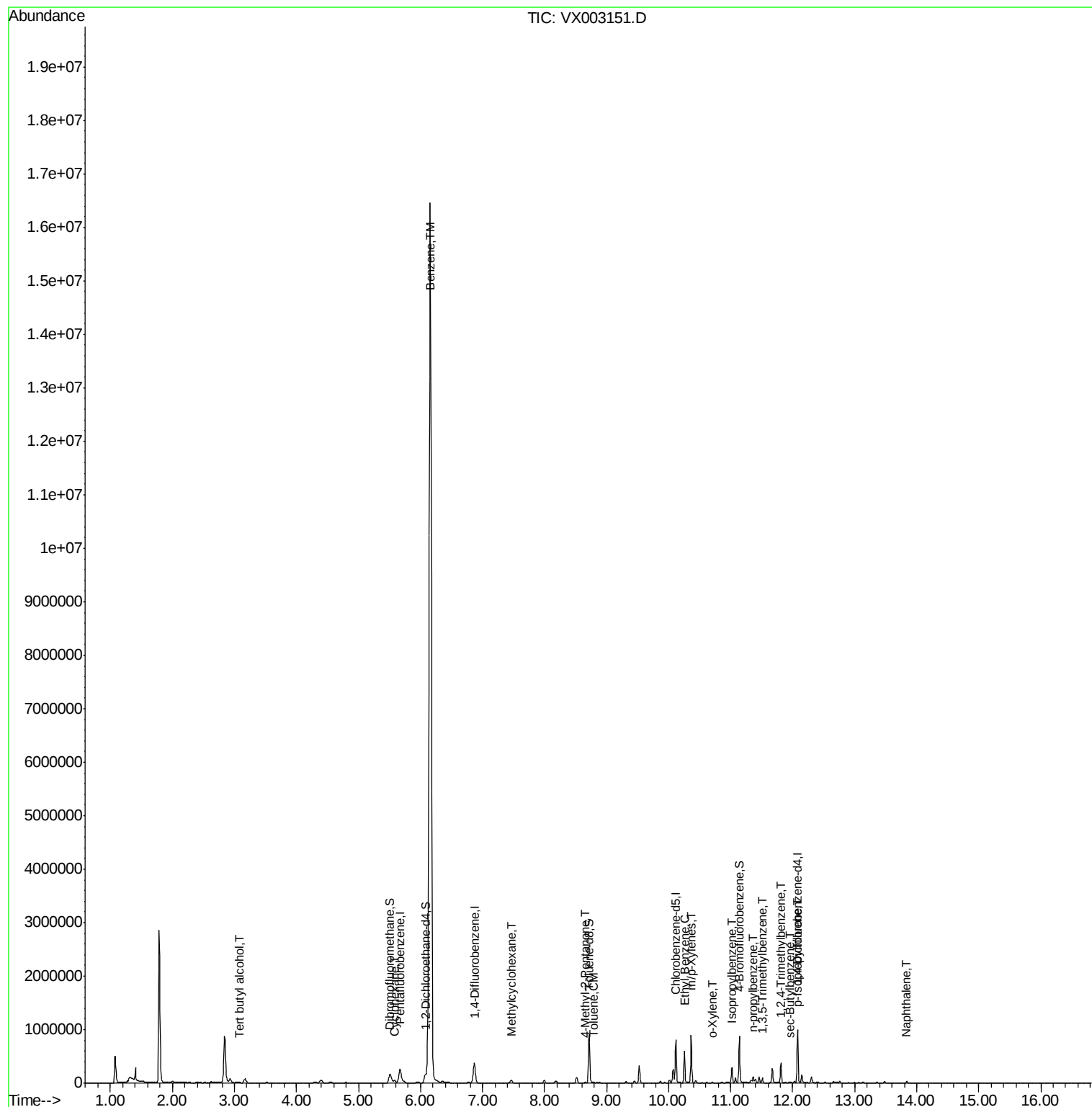
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.08	59	18359	24.475	ug/l	97
31) Cyclohexane	5.58	56	32051	6.787	ug/l	92
39) Methylcyclohexane	7.46	83	20794	4.260	ug/l	98
40) Benzene	6.16	78	19417060	1594.533	ug/l	94
51) 4-Methyl-2-Pentanone	8.66	43	10112	2.136	ug/l	98
52) Toluene	8.79	92	5391	0.691	ug/l	93
67) Ethyl Benzene	10.26	91	341803	21.773	ug/l	99
68) m/p-Xylenes	10.37	106	198646	32.833	ug/l	96
69) o-Xylene	10.70	106	1505	0.255	ug/l	96
73) Isopropylbenzene	11.02	105	148452	10.427	ug/l	98
78) n-propylbenzene	11.37	91	64796	3.998	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	41767	3.483	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	158618	12.766	ug/l	97
85) sec-Butylbenzene	11.95	105	4957	0.346	ug/l	81
86) p-Isopropyltoluene	12.07	119	4696	0.364	ug/l	84
95) Naphthalene	13.84	128	15939	1.100	ug/l	97

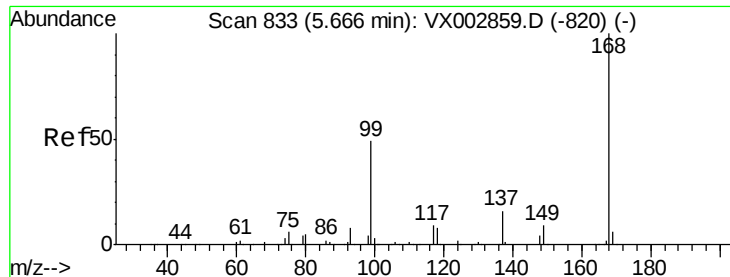
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070318\
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Quant Time: Jul 05 09:36:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003151.D

Acq: 03 Jul 2018 16:19

Instrument :

MSVOA_X

ClientSampled :

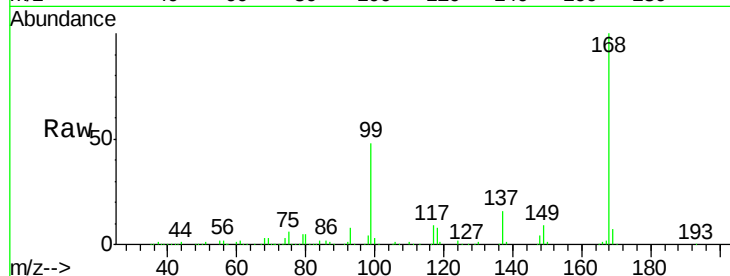
S10-0140

Tot Ion:168 Resp: 272420

Ion Ratio Lower Upper

168 100

99 48.5 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

100000

80000

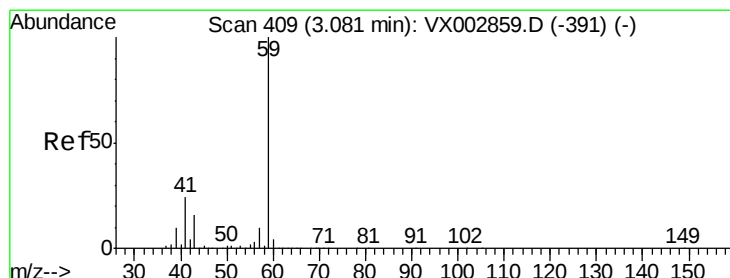
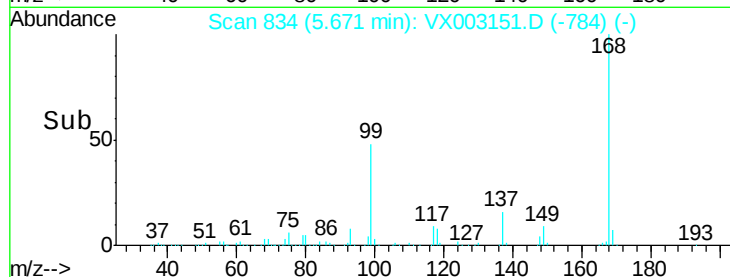
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 24.475 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.00 min

Lab File: VX003151.D

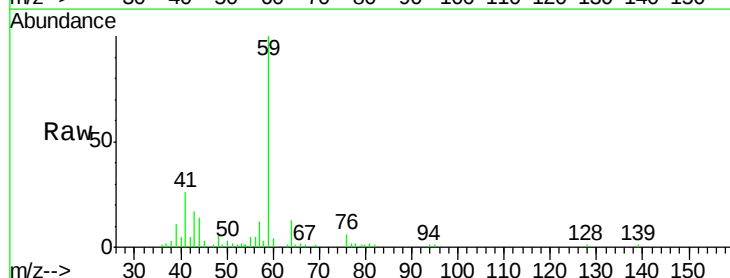
Acq: 03 Jul 2018 16:19

Tgt Ion: 59 Resp: 18359

Ion Ratio Lower Upper

59 100

57 9.0 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.08

25000

20000

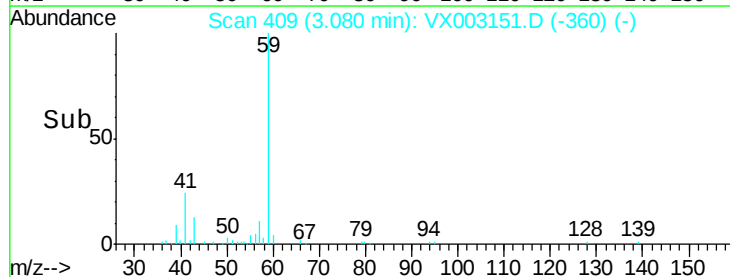
15000

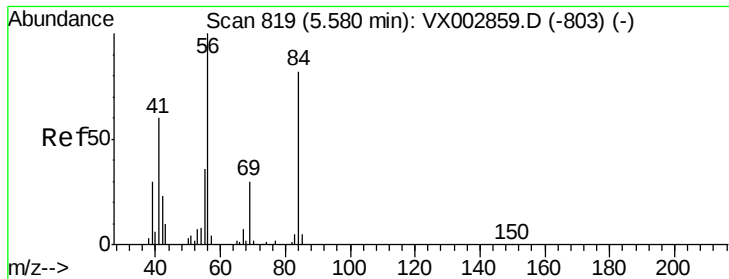
10000

5000

0

Time--> 2.90 3.00 3.10 3.20





#31

Cyclohexane

Concen: 6.787 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX003151.D

Acq: 03 Jul 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

S10-0140

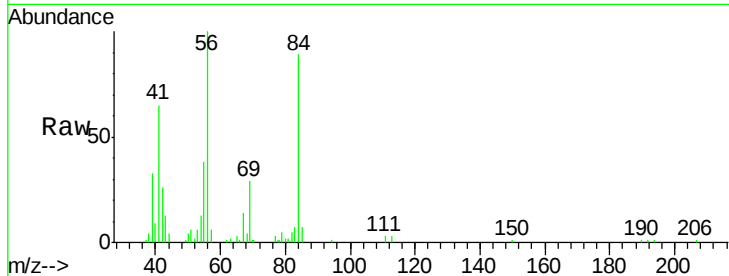
Tot Ion: 56 Resp: 32051

Ion Ratio Lower Upper

56 100

69 29.3 23.7 35.5

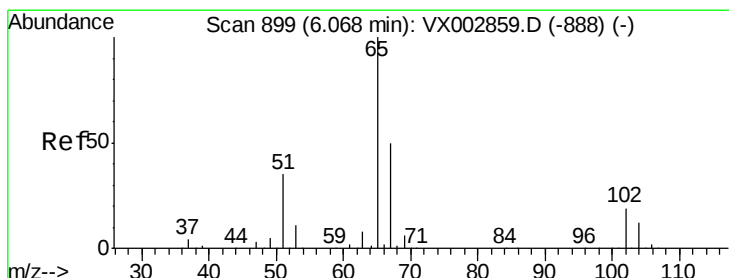
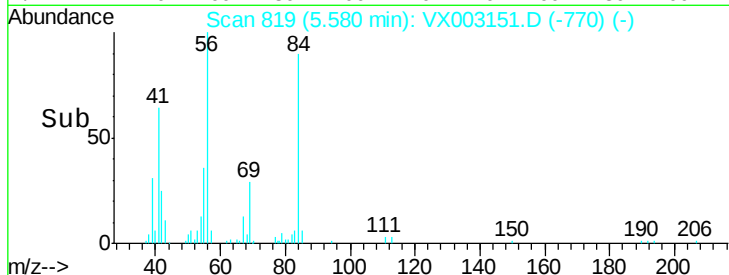
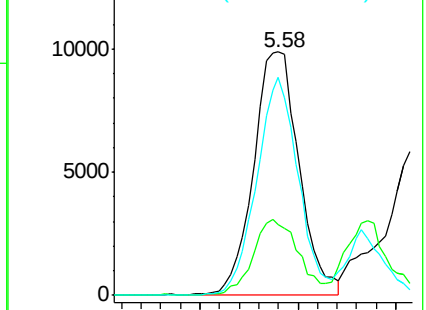
84 89.4 64.1 96.1



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: 45.471 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX003151.D

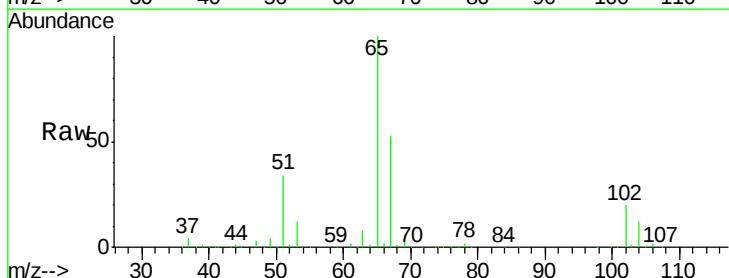
Acq: 03 Jul 2018 16:19

Tgt Ion: 65 Resp: 171215

Ion Ratio Lower Upper

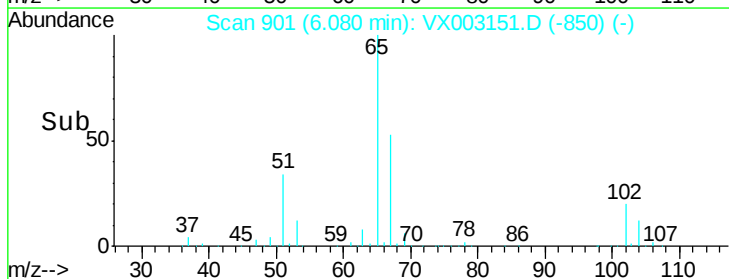
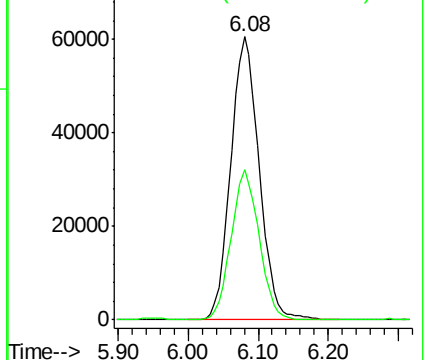
65 100

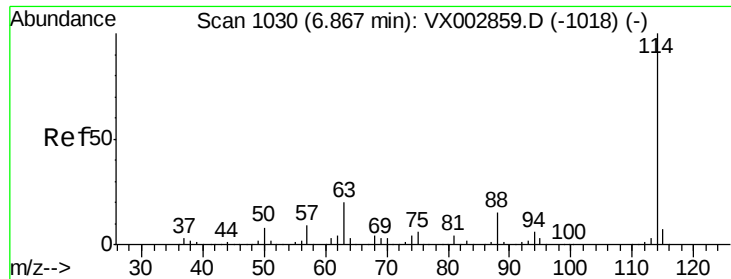
67 52.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

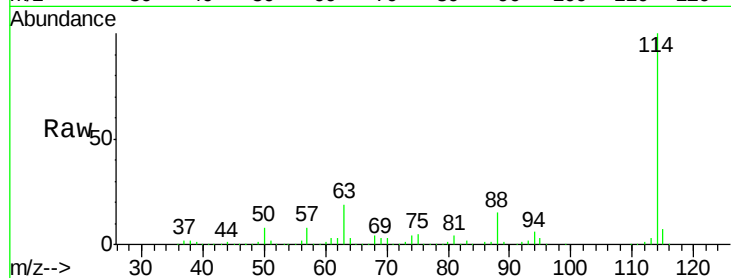




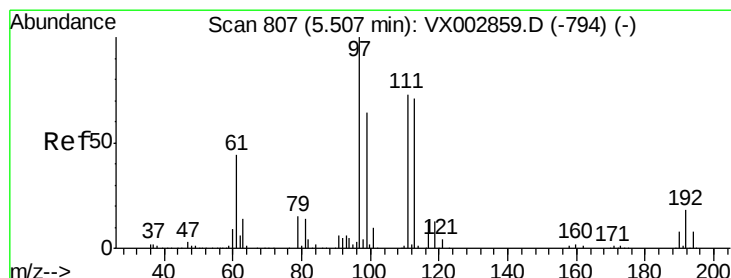
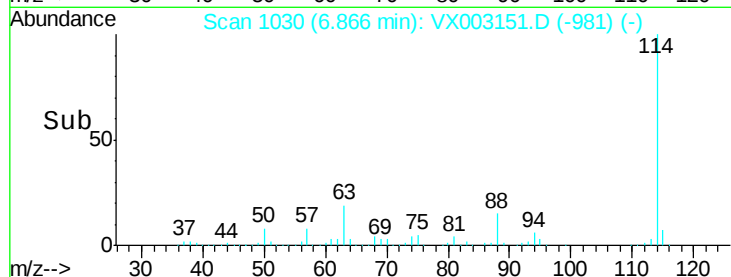
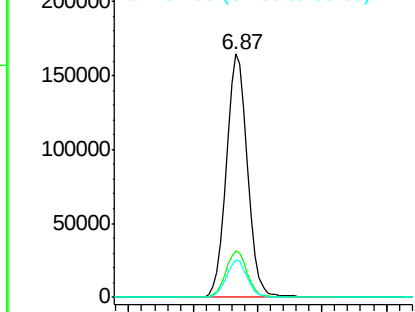
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VX003151.D
Acq: 03 Jul 2018 16:19

Instrument :
MSVOA_X
ClientSampleId :
S10-0140

Tot Ion:114 Resp: 382175
Ion Ratio Lower Upper
114 100
63 18.9 0.0 41.4
88 15.3 0.0 30.0

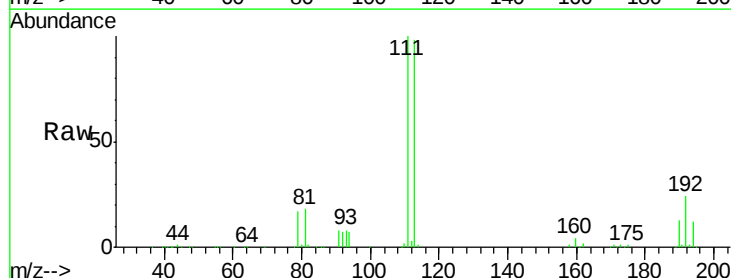


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

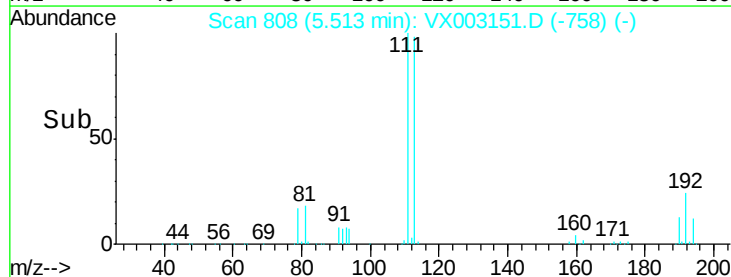
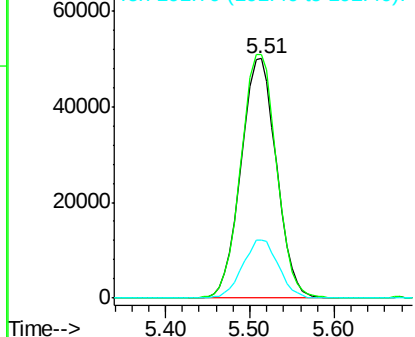


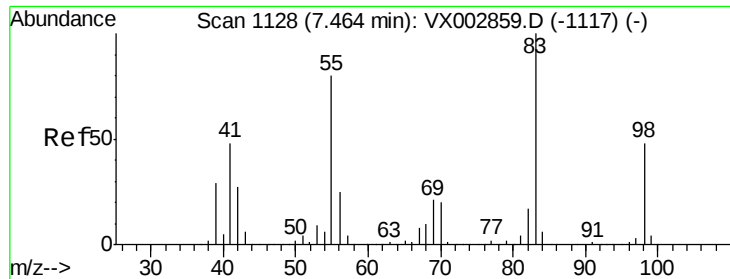
#35
Dibromofluoromethane
Concen: 47.126 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX003151.D
Acq: 03 Jul 2018 16:19

Tgt Ion:113 Resp: 142625
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 24.7 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

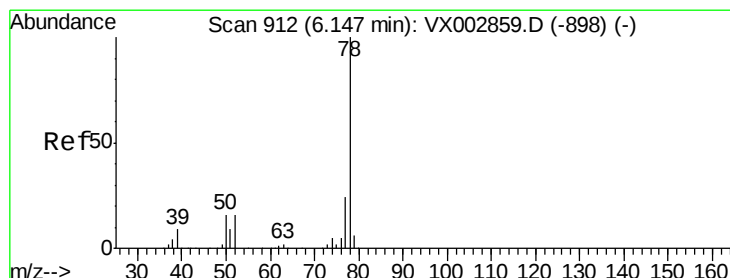
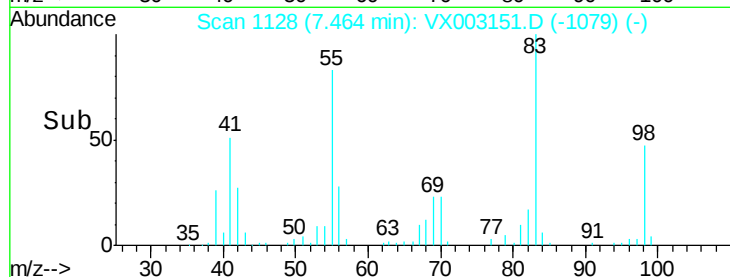
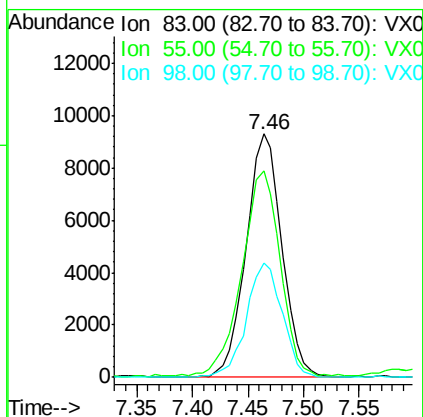
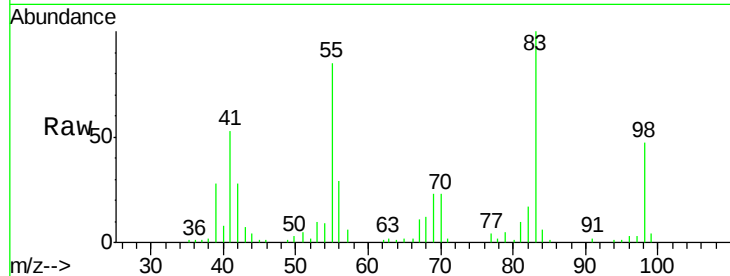




#39
Methvlcvclohexane
Concen: 4.260 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003151.D
Acq: 03 Jul 2018 16:19

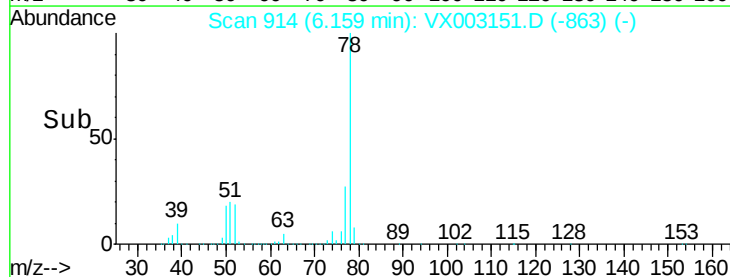
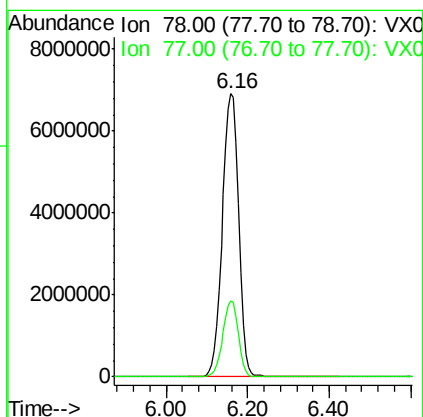
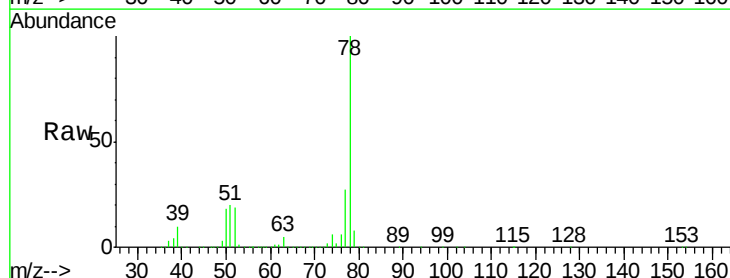
Instrument :
MSVOA_X
ClientSampleId :
S10-0140

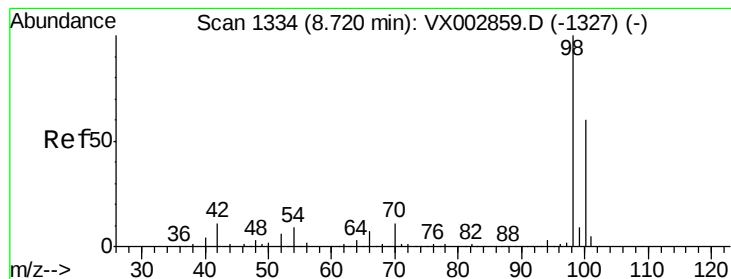
Tot Ion: 83 Resp: 20794
Ion Ratio Lower Upper
83 100
55 84.0 65.4 98.0
98 47.2 37.4 56.0



#40
Benzene
Concen: 1594.533 ug/l
RT: 6.16 min Scan# 914
Delta R.T. 0.01 min
Lab File: VX003151.D
Acq: 03 Jul 2018 16:19

Tgt Ion: 78 Resp:19417060
Ion Ratio Lower Upper
78 100
77 27.0 19.1 28.7





#50

Toluene-d8

Concen: 48.760 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003151.D

Acq: 03 Jul 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

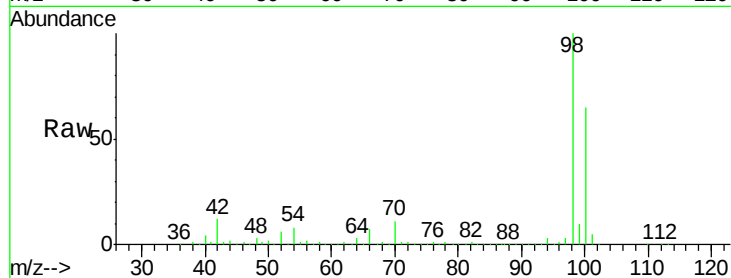
S10-0140

Tot Ion: 98 Resp: 538887

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

400000

300000

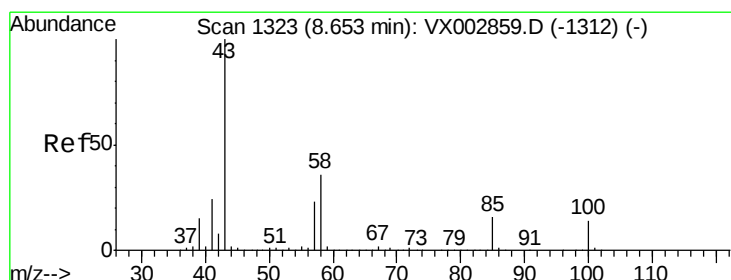
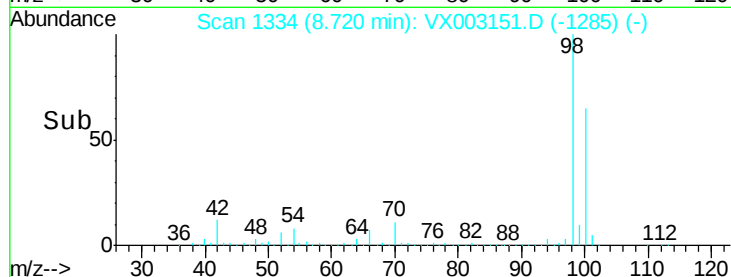
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.136 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003151.D

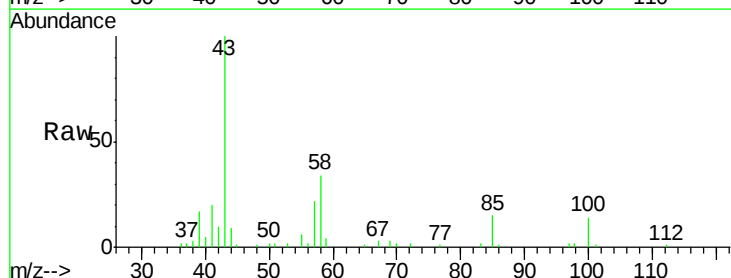
Acq: 03 Jul 2018 16:19

Tgt Ion: 43 Resp: 10112

Ion Ratio Lower Upper

43 100

58 36.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8000

6000

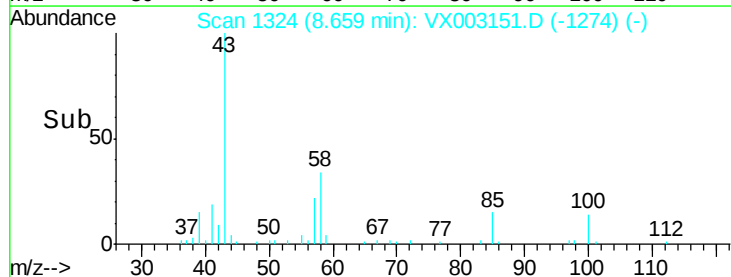
4000

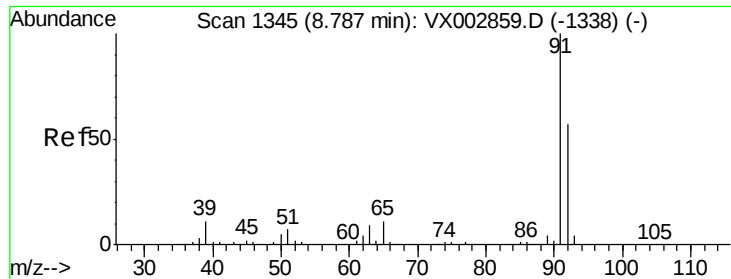
2000

0

8.60 8.65 8.70

Time-->





#52

Toluene

Concen: 0.691 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX003151.D

Acq: 03 Jul 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

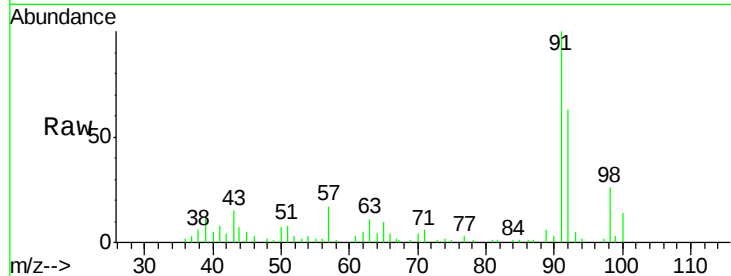
S10-0140

Tot Ion: 92 Resp: 5391

Ion Ratio Lower Upper

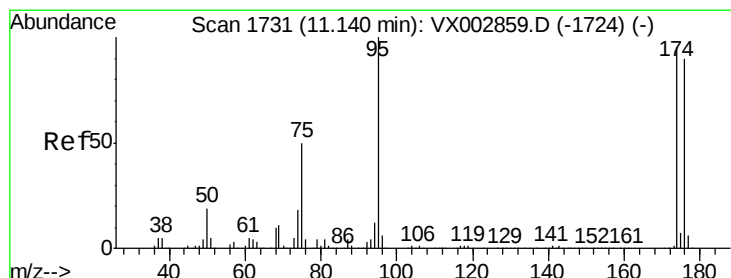
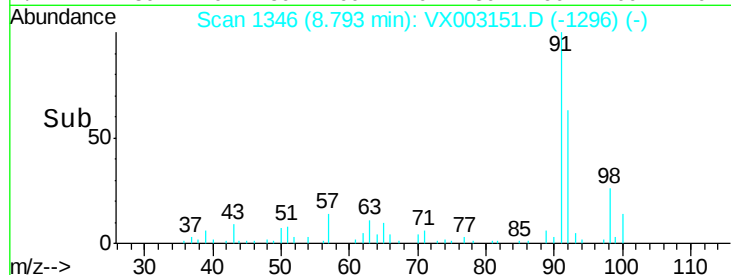
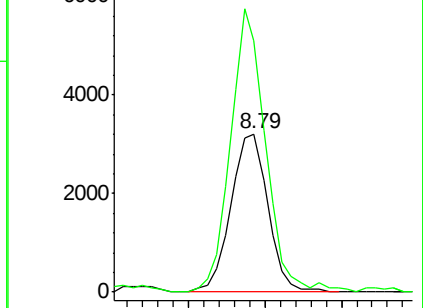
92 100

91 166.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.756 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003151.D

Acq: 03 Jul 2018 16:19

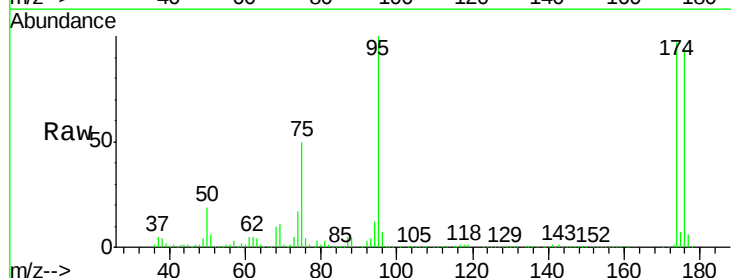
Tgt Ion: 95 Resp: 203548

Ion Ratio Lower Upper

95 100

174 99.1 0.0 187.4

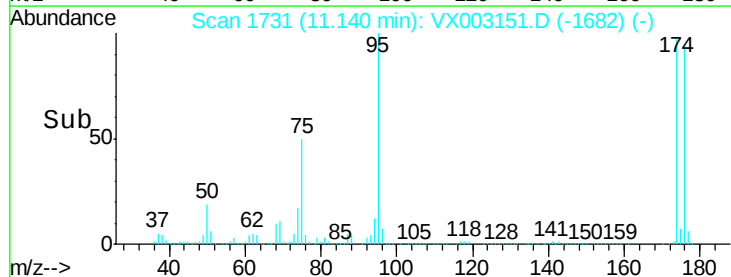
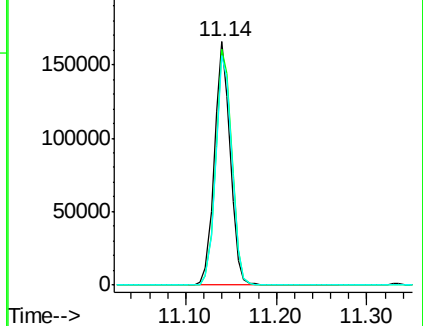
176 96.7 0.0 181.0

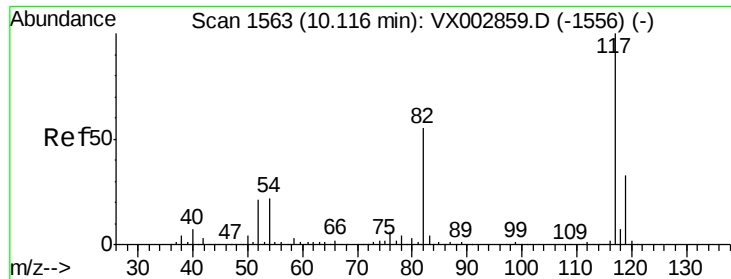


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

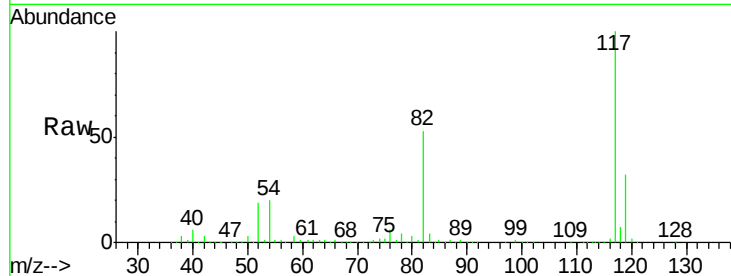




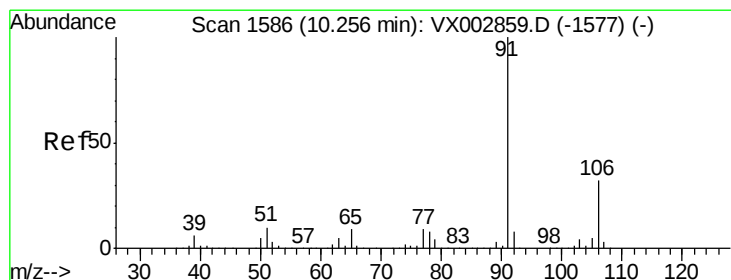
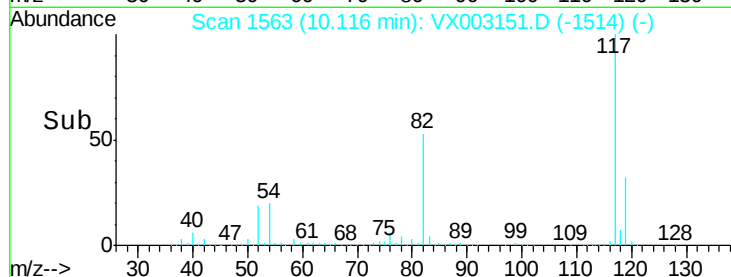
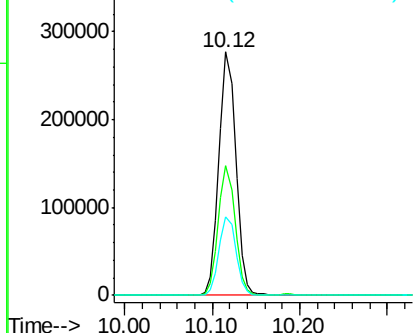
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003151.D
Acq: 03 Jul 2018 16:19

Instrument :
MSVOA_X
ClientSampleId :
S10-0140

Tot Ion:117 Resp: 374145
Ion Ratio Lower Upper
117 100
82 53.0 45.0 67.4
119 32.2 25.8 38.6

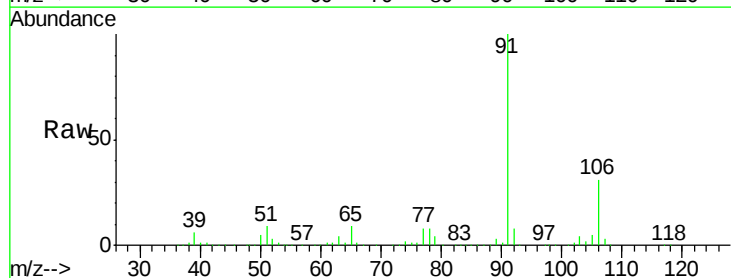


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

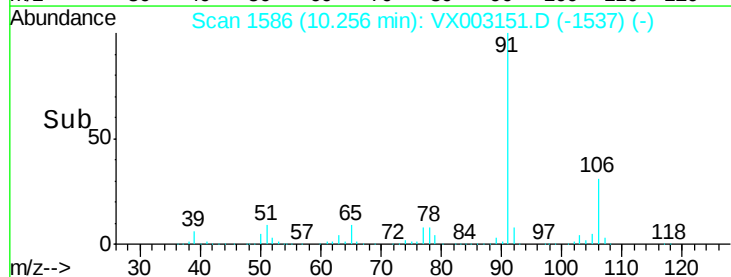
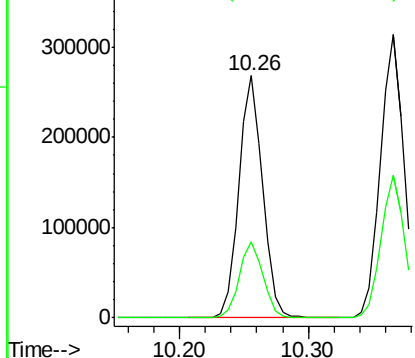


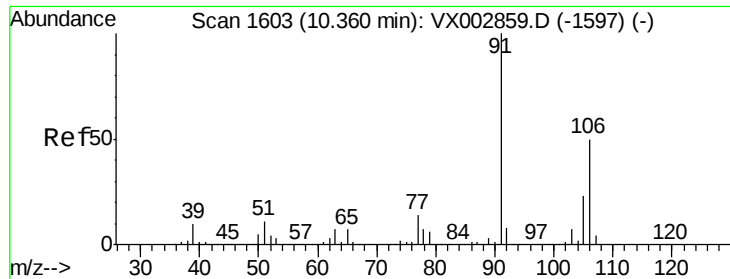
#67
Ethyl Benzene
Concen: 21.773 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003151.D
Acq: 03 Jul 2018 16:19

Tgt Ion: 91 Resp: 341803
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

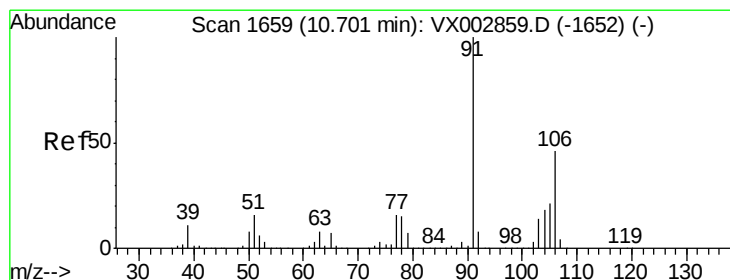
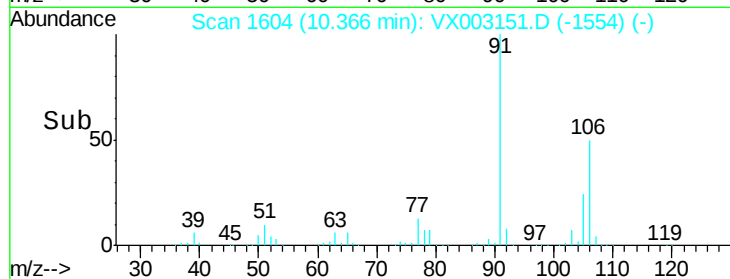
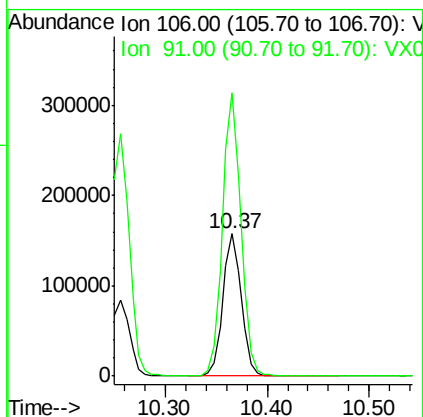
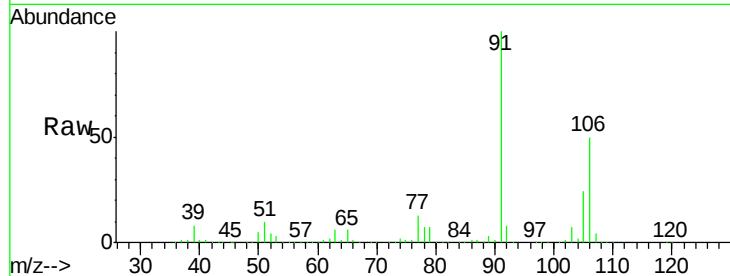




#68
m/p-Xylenes
Concen: 32.833 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003151.D
Acq: 03 Jul 2018 16:19

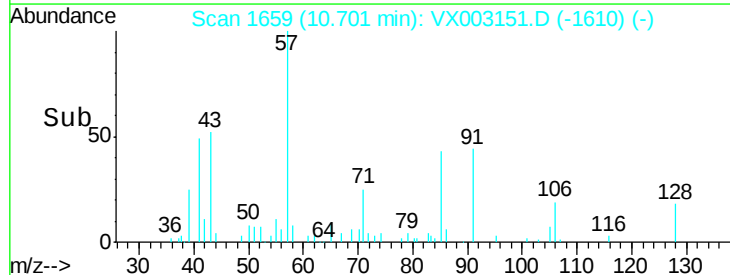
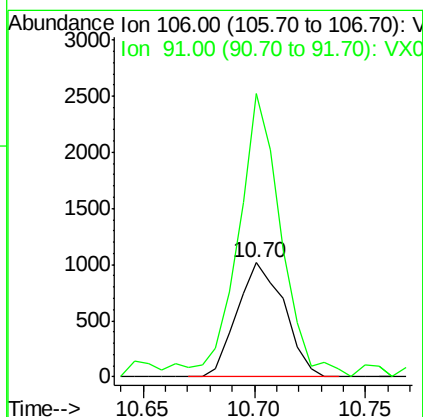
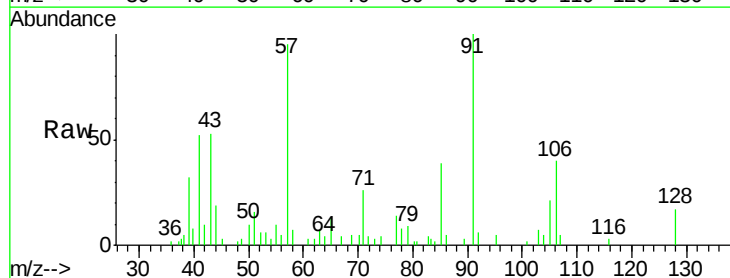
Instrument :
MSVOA_X
ClientSampleId :
S10-0140

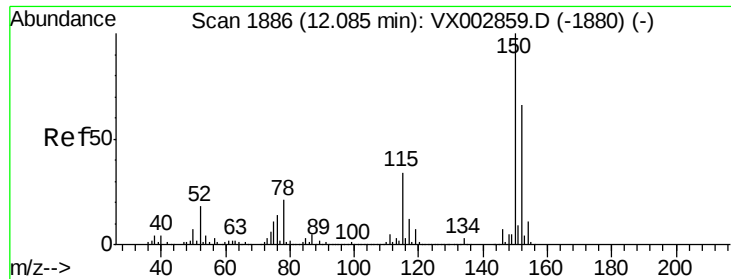
Tot Ion:106 Resp: 198646
Ion Ratio Lower Upper
106 100
91 198.6 163.4 245.2



#69
o-Xylene
Concen: 0.255 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003151.D
Acq: 03 Jul 2018 16:19

Tgt Ion:106 Resp: 1505
Ion Ratio Lower Upper
106 100
91 222.1 108.2 324.6



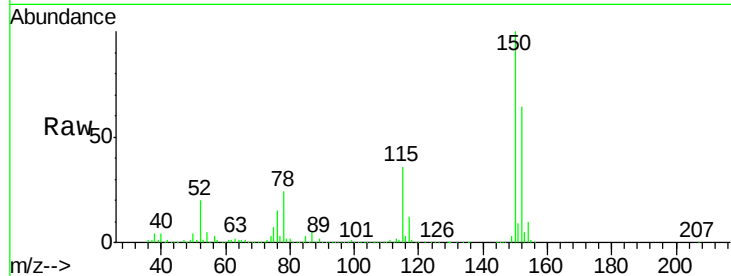


#72

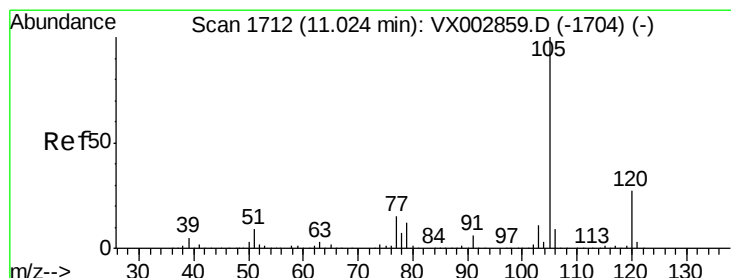
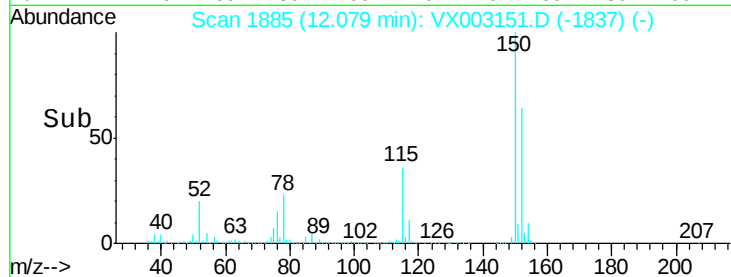
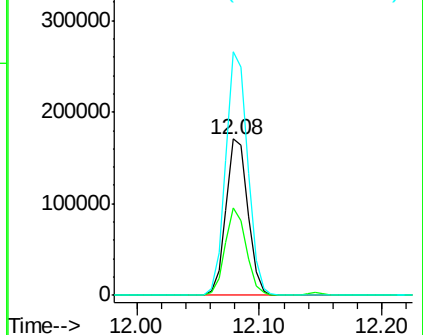
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003151.D
Acq: 03 Jul 2018 16:19

Instrument :
MSVOA_X
ClientSampleId :
S10-0140

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.6	40.1	120.2
150	155.7	0.0	347.2



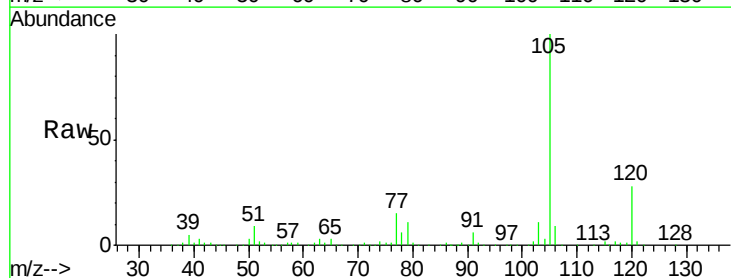
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



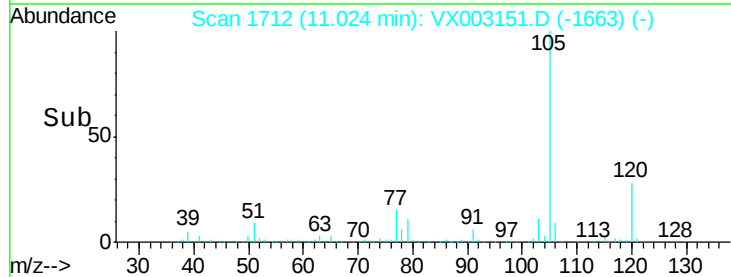
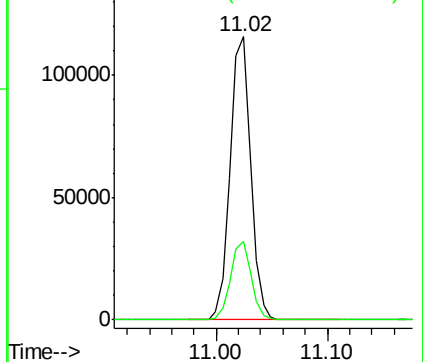
#73

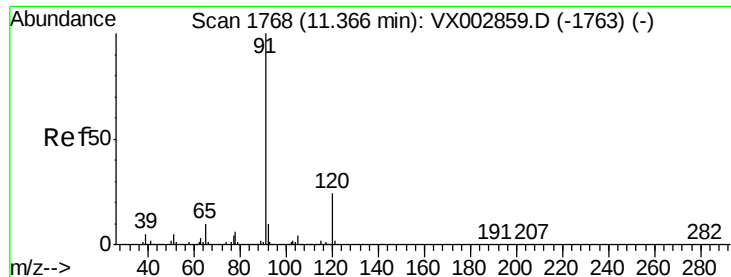
Isopropylbenzene
Concen: 10.427 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX003151.D
Acq: 03 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.5	40.4



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

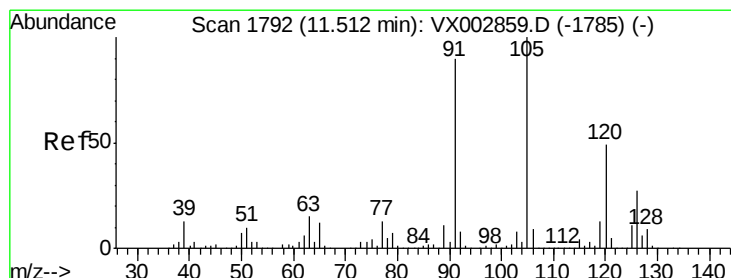
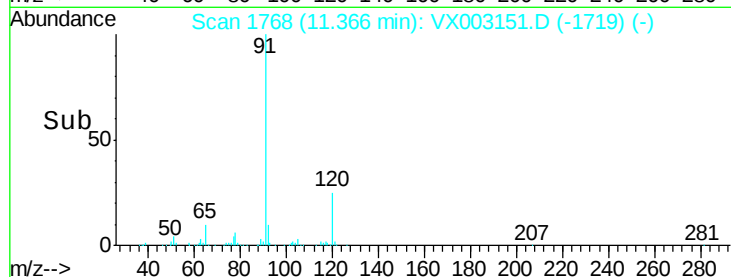
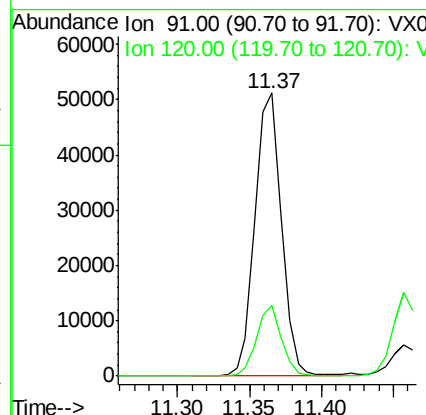
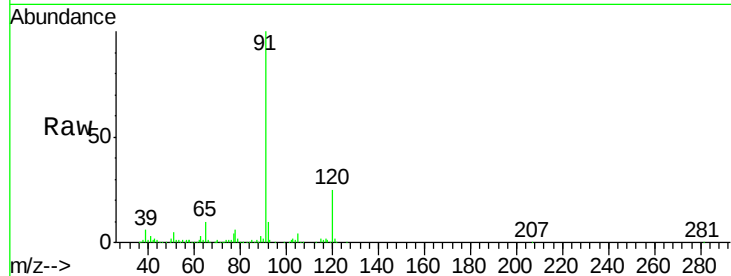




#78
 n-propylbenzene
 Concen: 3.998 ug/l
 RT: 11.37 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VX003151.D
 Acq: 03 Jul 2018 16:19

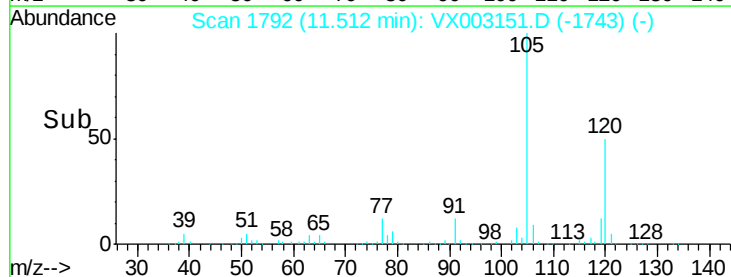
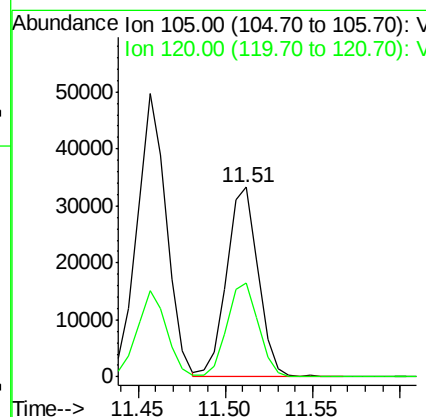
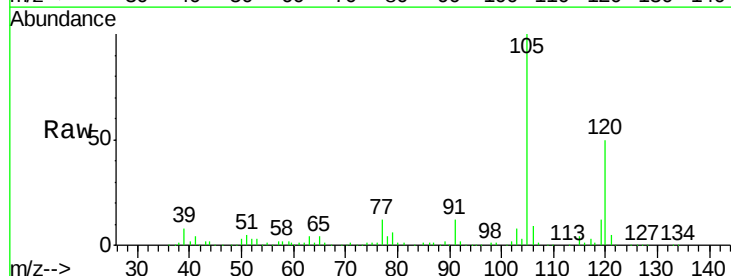
Instrument :
 MSVOA_X
 ClientSampled :
 S10-0140

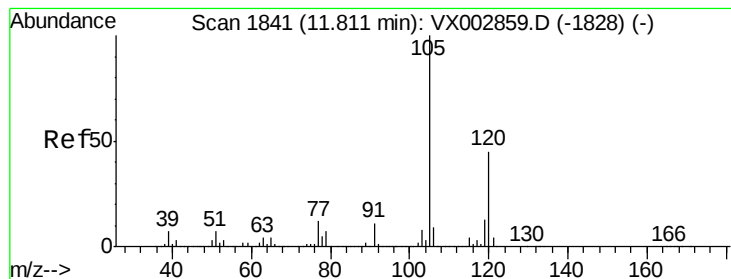
Tot Ion: 91 Resp: 64796
 Ion Ratio Lower Upper
 91 100
 120 23.4 11.8 35.4



#80
 1,3,5-Trimethylbenzene
 Concen: 3.483 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003151.D
 Acq: 03 Jul 2018 16:19

Tgt Ion: 105 Resp: 41767
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 12.766 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003151.D

Acq: 03 Jul 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

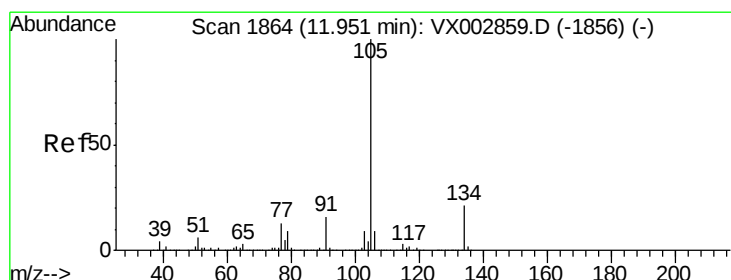
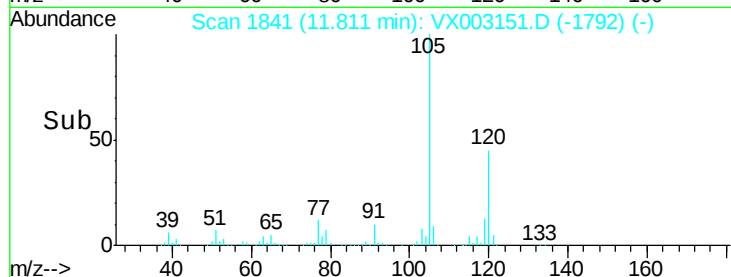
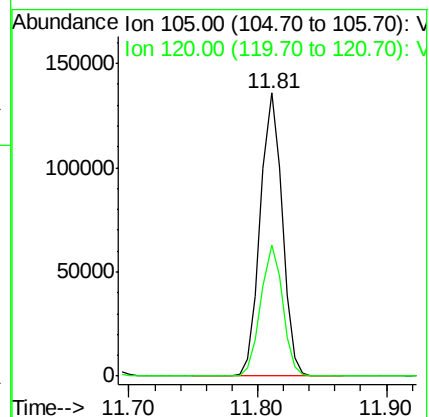
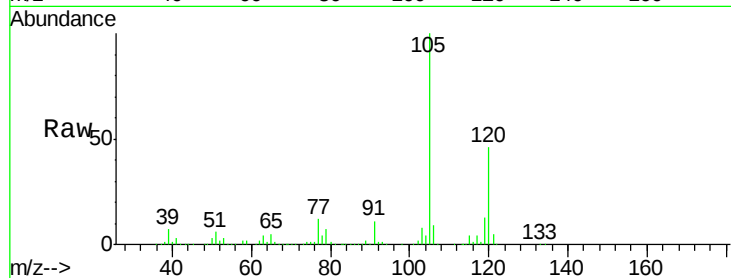
S10-0140

Tot Ion:105 Resp: 158618

Ion Ratio Lower Upper

105 100

120 46.5 22.3 66.8



#85

sec-Butylbenzene

Concen: 0.346 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003151.D

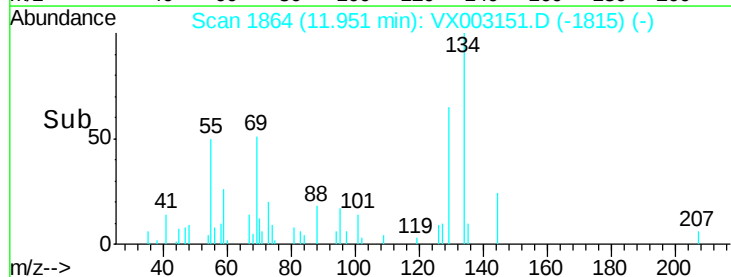
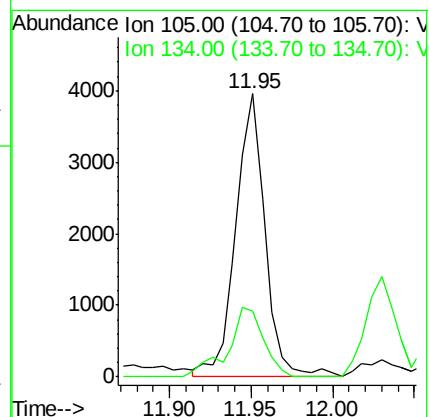
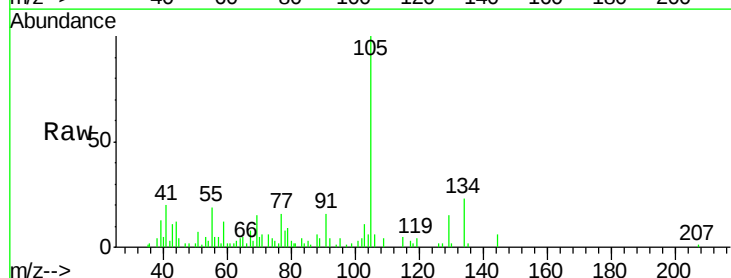
Acq: 03 Jul 2018 16:19

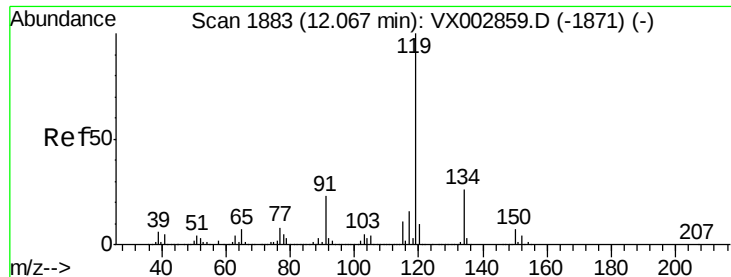
Tgt Ion:105 Resp: 4957

Ion Ratio Lower Upper

105 100

134 29.6 10.4 31.1

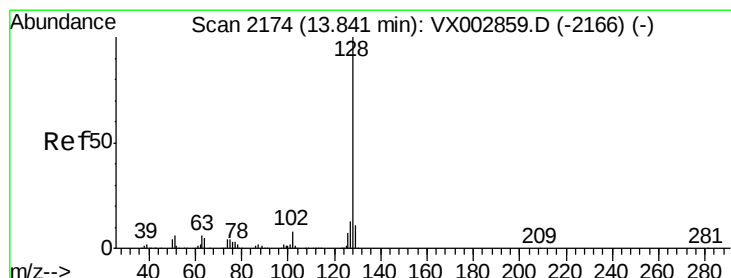
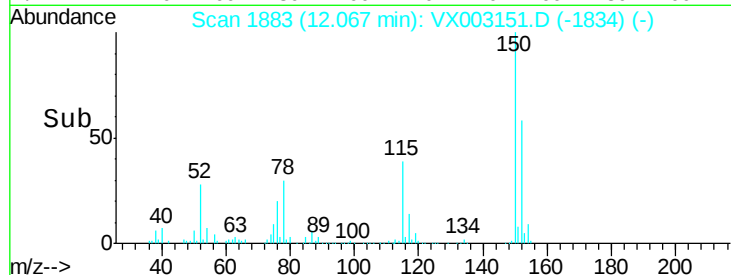
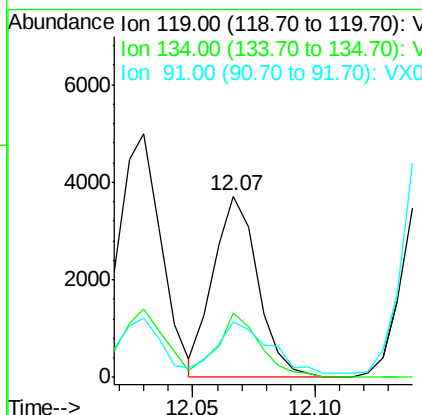
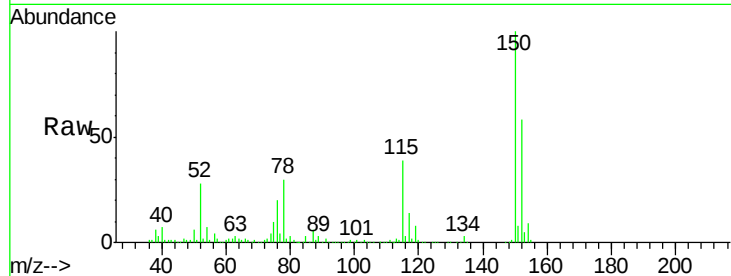




#86
p-Isopropyltoluene
Concen: 0.364 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003151.D
Acq: 03 Jul 2018 16:19

Instrument :
MSVOA_X
ClientSampleId :
S10-0140

Tot Ion:119 Resp: 4696
Ion Ratio Lower Upper
119 100
134 33.9 13.4 40.1
91 32.5 11.9 35.7



#95
Naphthalene
Concen: 1.100 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX003151.D
Acq: 03 Jul 2018 16:19

Tgt Ion:128 Resp: 15939
Ion Ratio Lower Upper
128 100
127 14.7 10.4 15.6
129 11.4 8.6 13.0

