

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071018\
 Data File : VX003318.D
 Acq On : 11 Jul 2018 07:17
 Operator : JC/MD
 Sample : J3911-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VB21029

Quant Time: Jul 11 08:06:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	272073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	364172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	157989	36.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.80%	
35) Dibromofluoromethane	5.51	113	141886	36.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.54%	
50) Toluene-d8	8.72	98	514611	37.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.06%	
62) 4-Bromofluorobenzene	11.14	95	192074	37.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.80%	

Target Compounds

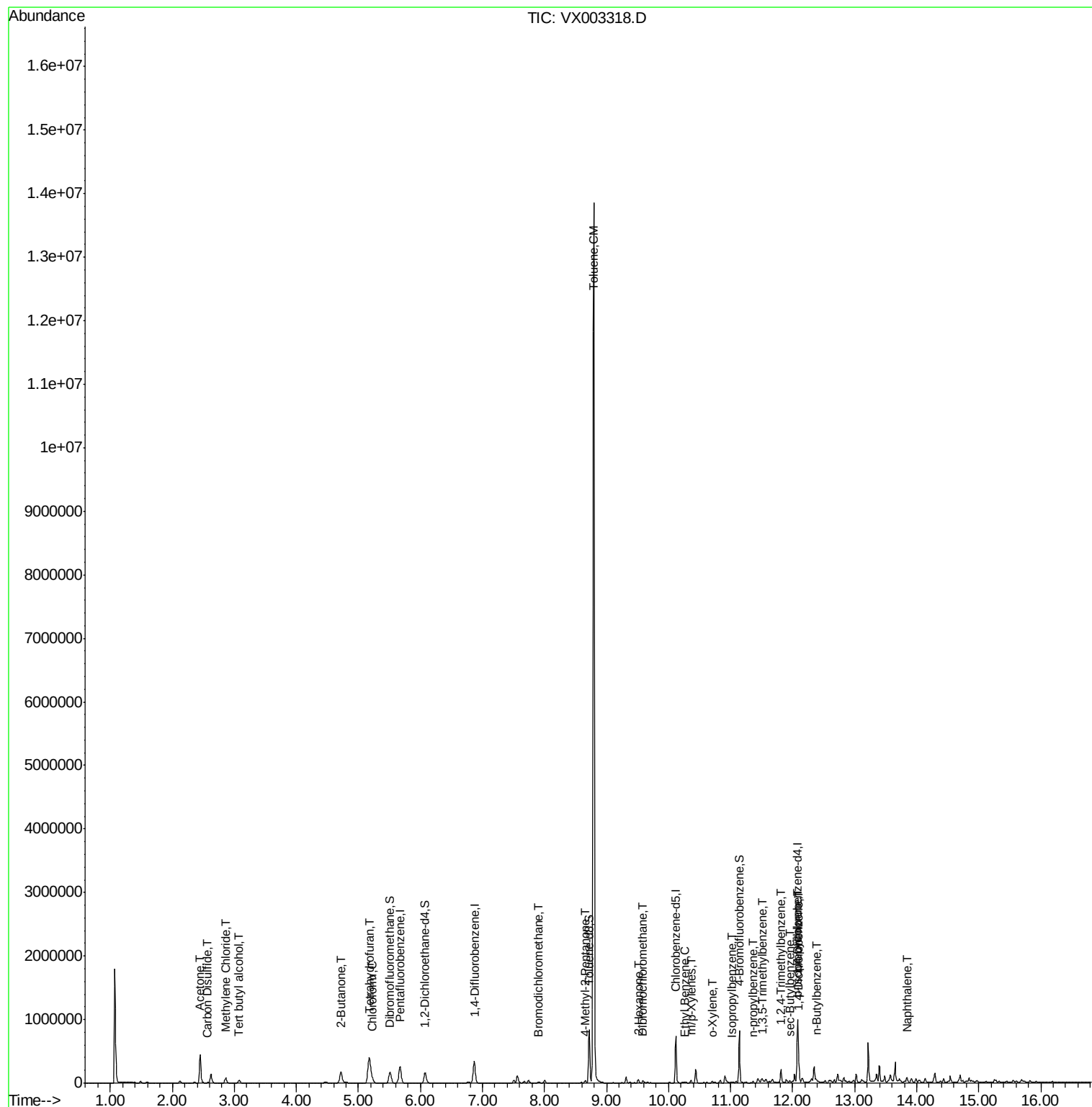
						Qvalue
11) Tert butyl alcohol	3.07	59	46917	60.44	ug/l	96
16) Acetone	2.45	43	494018	324.98	ug/l	96
17) Carbon Disulfide	2.57	76	6804	0.80	ug/l	99
20) Methylene Chloride	2.86	84	42027	12.97	ug/l	93
25) 2-Butanone	4.71	43	312350	116.12	ug/l	96
29) Tetrahydrofuran	5.17	42	369952	211.90	ug/l	95
30) Chloroform	5.23	83	43247	6.56	ug/l	99
47) Bromodichloromethane	7.90	83	11518	2.31	ug/l #	94
51) 4-Methyl-2-Pentanone	8.66	43	23298	4.22	ug/l	99
52) Toluene	8.79	92	5409112	560.09	ug/l	93
59) 2-Hexanone	9.51	43	21754	5.18	ug/l	91
60) Dibromochloromethane	9.59	129	3564	0.85	ug/l	100
67) Ethyl Benzene	10.26	91	9344	0.49	ug/l	98
68) m/p-Xylenes	10.36	106	10906	1.48	ug/l	94
69) o-Xylene	10.71	106	6469	0.91	ug/l	99
73) Isopropylbenzene	11.02	105	4554	0.27	ug/l	100
78) n-propylbenzene	11.37	91	11215	0.59	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	14360	1.01	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	66382	4.55	ug/l	99
85) sec-Butylbenzene	11.95	105	5197	0.31	ug/l	85
86) p-Isopropyltoluene	12.07	119	45580	2.98	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	107818	11.76	ug/l	99
89) n-Butylbenzene	12.39	91	8458	0.66	ug/l #	37
95) Naphthalene	13.84	128	47210	2.73	ug/l	96

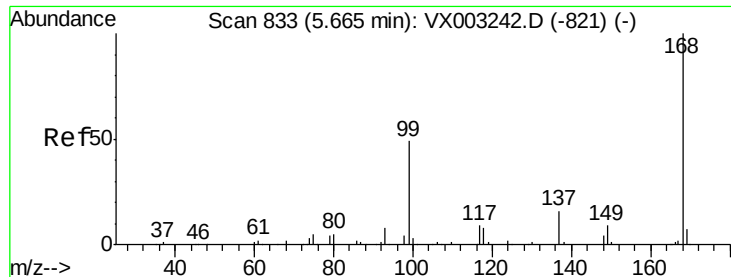
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
Data File : VX003318.D
Acq On : 11 Jul 2018 07:17
Operator : JC/MD
Sample : J3911-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VB21029

Quant Time: Jul 11 08:06:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003318.D

Acq: 11 Jul 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

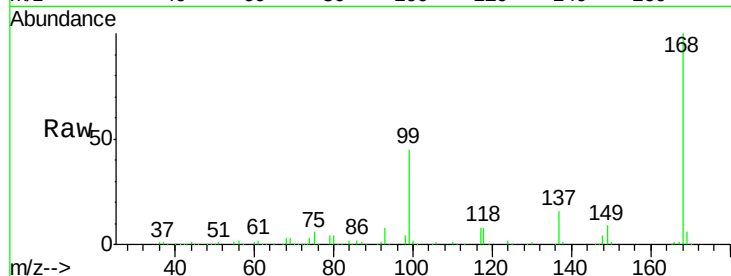
VB21029

Tot Ion:168 Resp: 272073

Ion Ratio Lower Upper

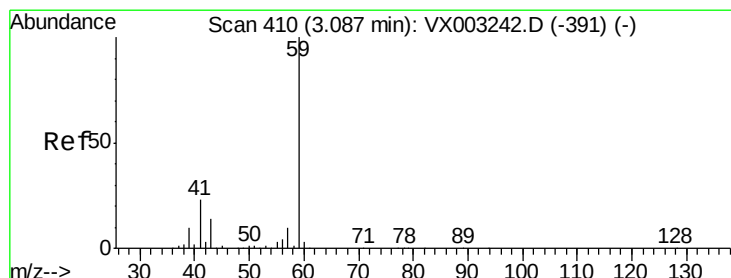
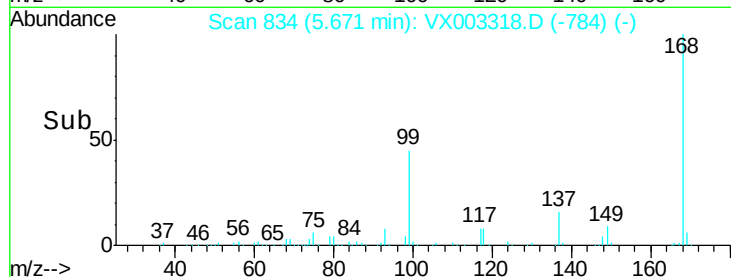
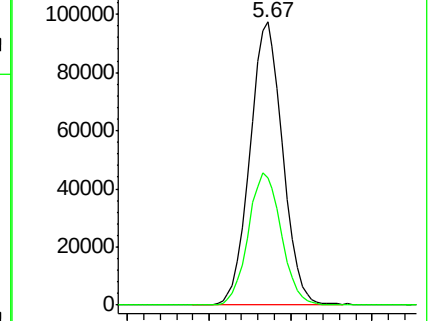
168 100

99 44.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 60.44 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.02 min

Lab File: VX003318.D

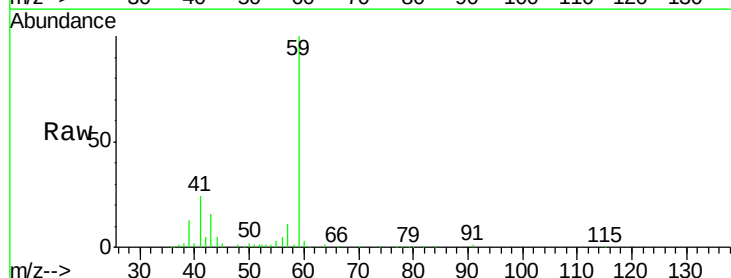
Acq: 11 Jul 2018 07:17

Tgt Ion: 59 Resp: 46917

Ion Ratio Lower Upper

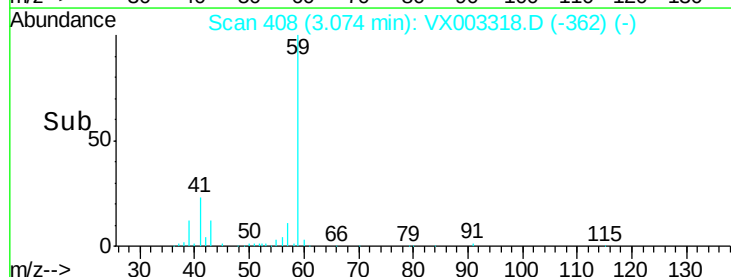
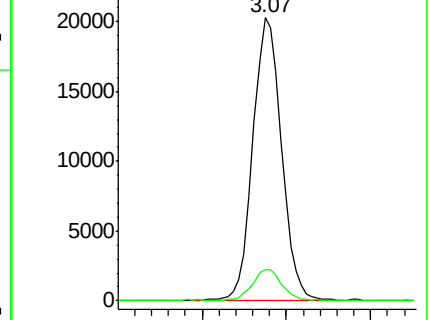
59 100

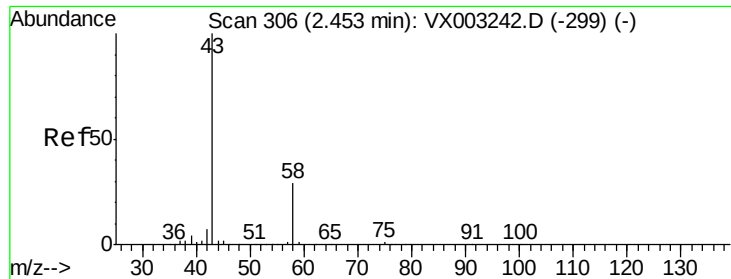
57 11.6 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 324.98 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003318.D

Acq: 11 Jul 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

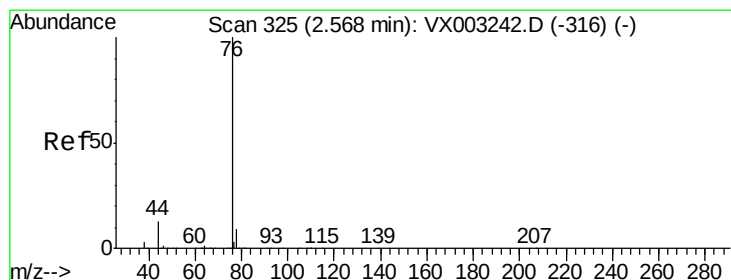
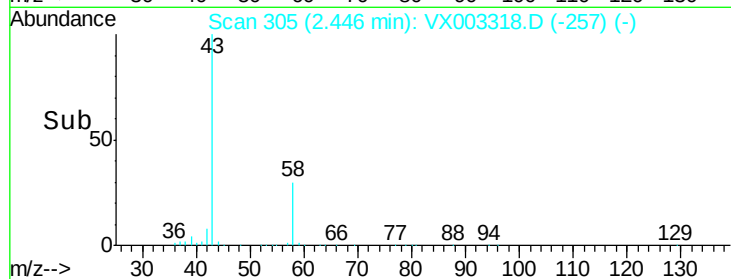
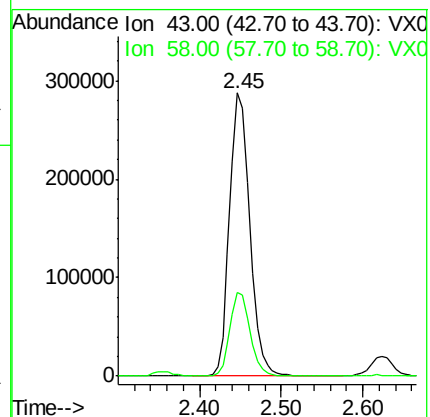
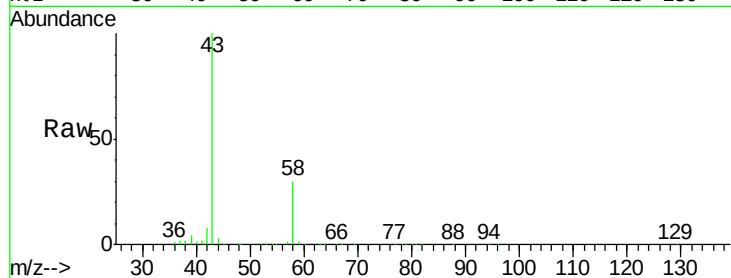
VB21029

Tot Ion: 43 Resp: 494018

Ion Ratio Lower Upper

43 100

58 29.6 22.1 33.1



#17

Carbon Disulfide

Concen: 0.80 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003318.D

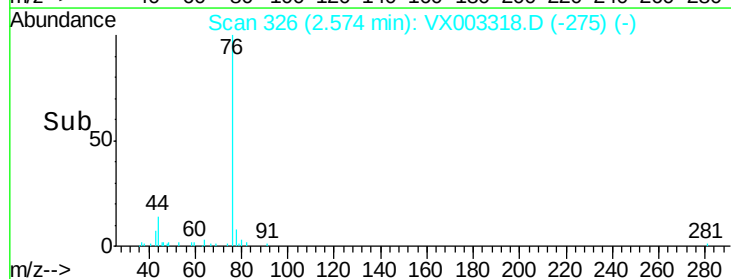
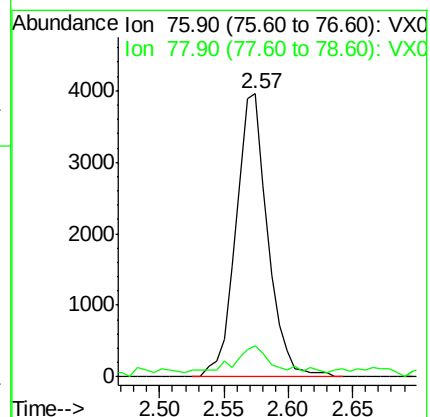
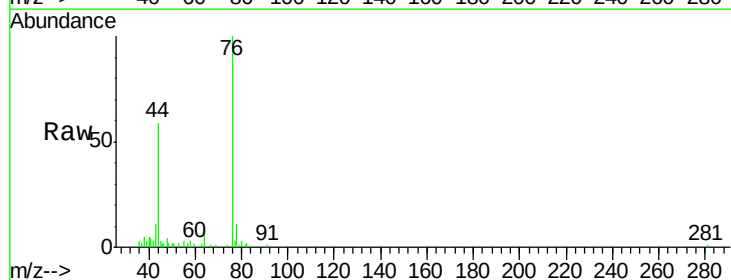
Acq: 11 Jul 2018 07:17

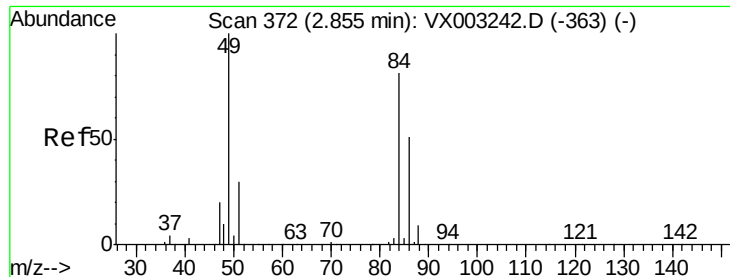
Tgt Ion: 76 Resp: 6804

Ion Ratio Lower Upper

76 100

78 8.3 6.9 10.3

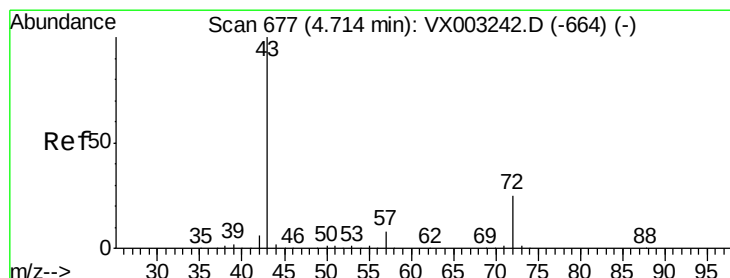
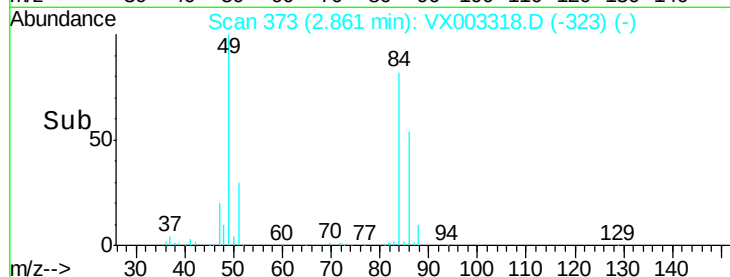
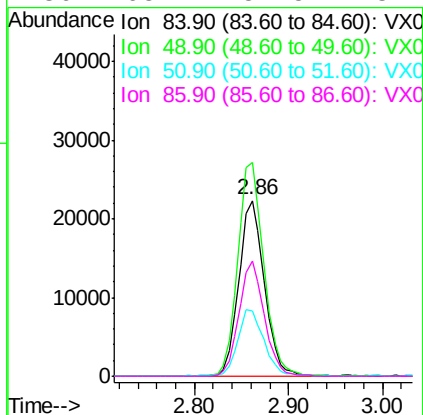
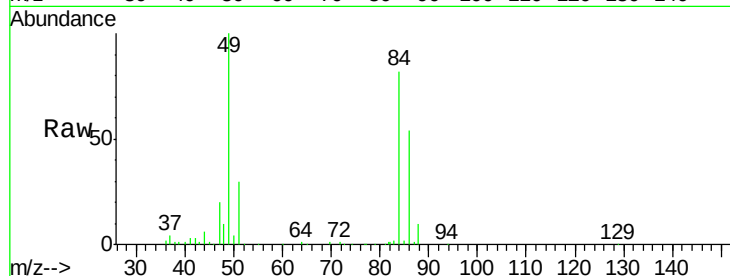




#20
Methvlene Chloride
Concen: 12.97 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003318.D
Acq: 11 Jul 2018 07:17

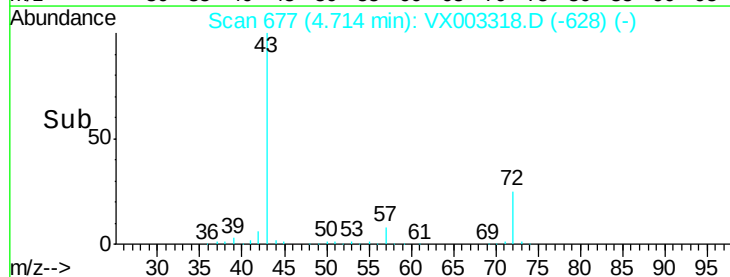
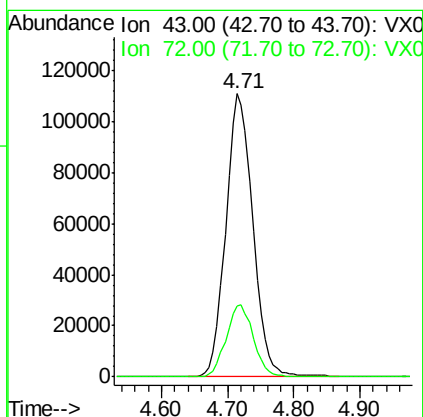
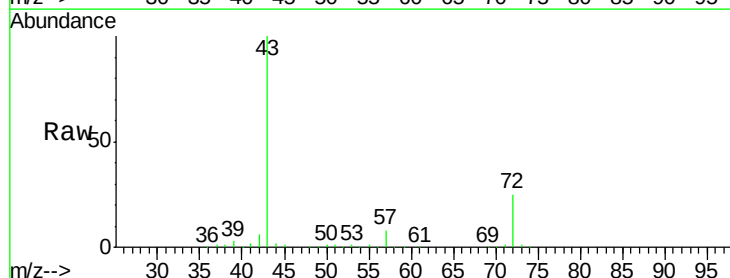
Instrument :
MSVOA_X
ClientSampleId :
VB21029

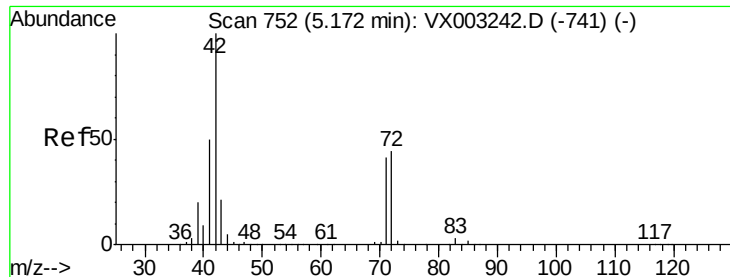
Tot Ion: 84 Resp: 42027
Ion Ratio Lower Upper
84 100
49 121.4 107.8 161.6
51 36.7 32.8 49.2
86 65.4 52.5 78.7



#25
2-Butanone
Concen: 116.12 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.00 min
Lab File: VX003318.D
Acq: 11 Jul 2018 07:17

Tgt Ion: 43 Resp: 312350
Ion Ratio Lower Upper
43 100
72 24.9 18.5 27.7





#29

Tetrahydrofuran

Concen: 211.90 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX003318.D

Acq: 11 Jul 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

VB21029

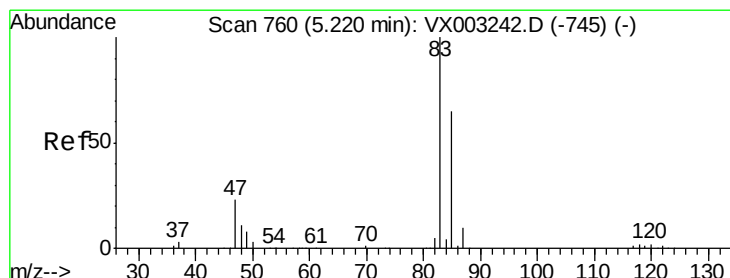
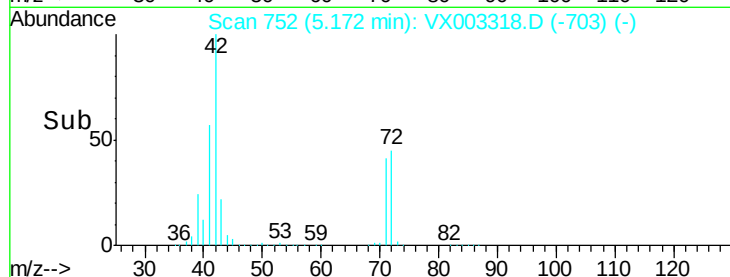
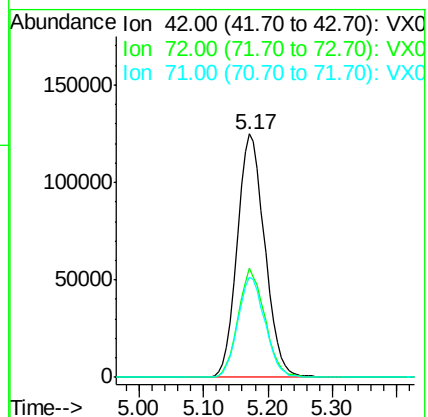
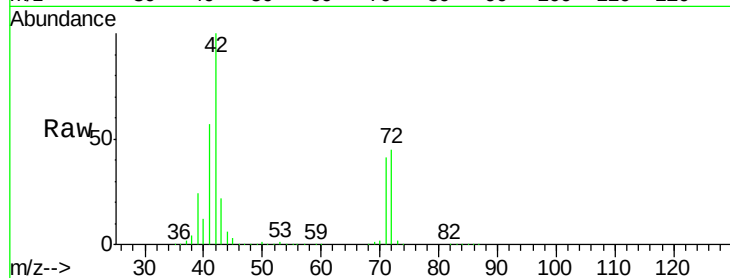
Tot Ion: 42 Resp: 369952

Ion Ratio Lower Upper

42 100

72 43.6 32.0 48.0

71 40.6 30.1 45.1



#30

Chloroform

Concen: 6.56 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VX003318.D

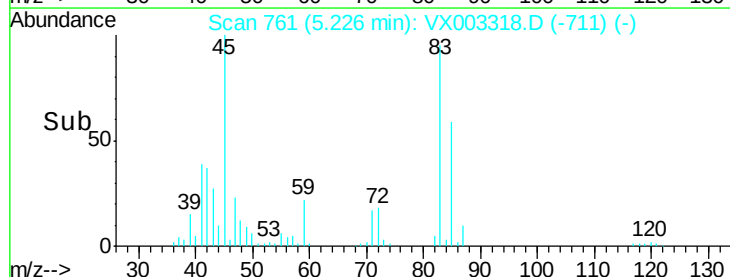
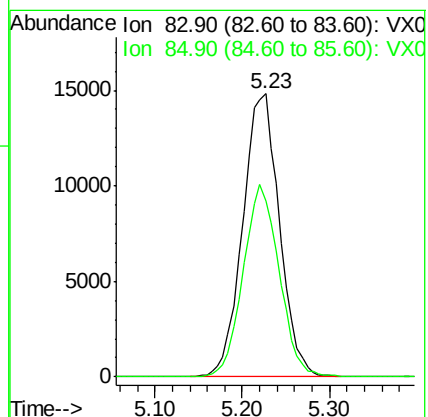
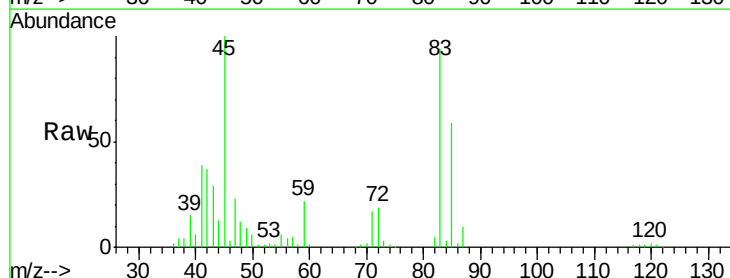
Acq: 11 Jul 2018 07:17

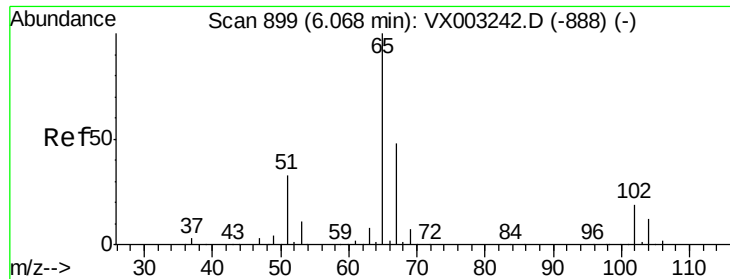
Tgt Ion: 83 Resp: 43247

Ion Ratio Lower Upper

83 100

85 62.3 50.4 75.6

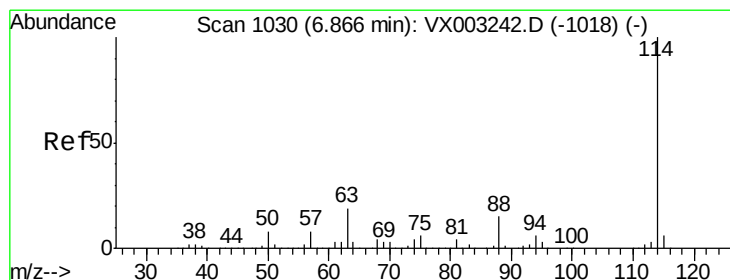
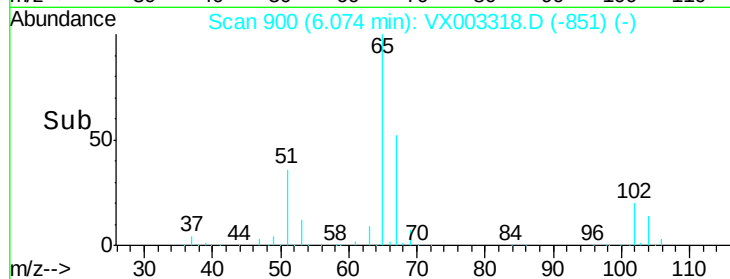
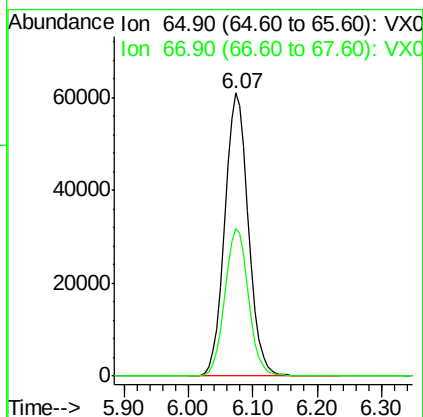
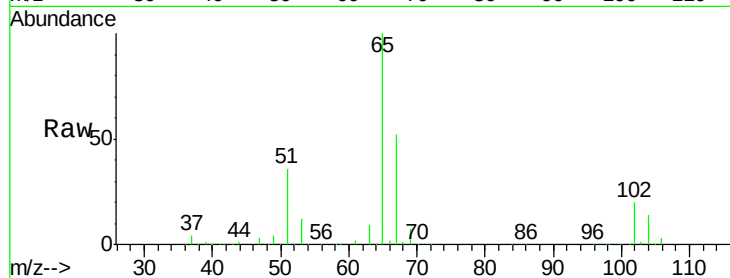




#33
 1,2-Dichloroethane-d4
 Concen: 36.90 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003318.D
 Acq: 11 Jul 2018 07:17

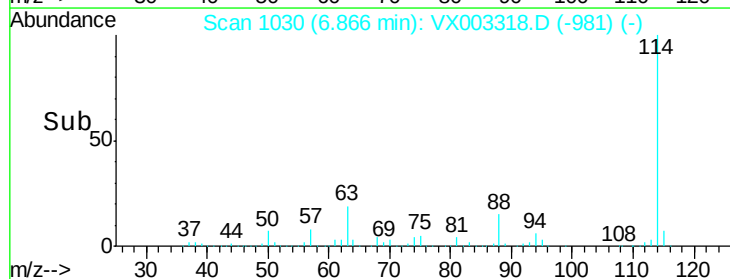
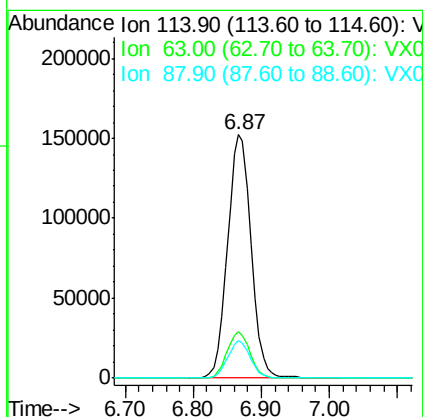
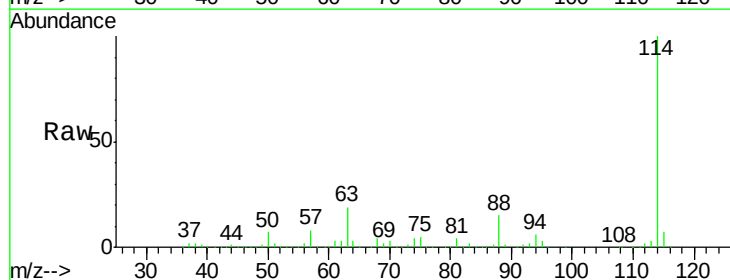
Instrument :
 MSVOA_X
 ClientSampleId :
 VB21029

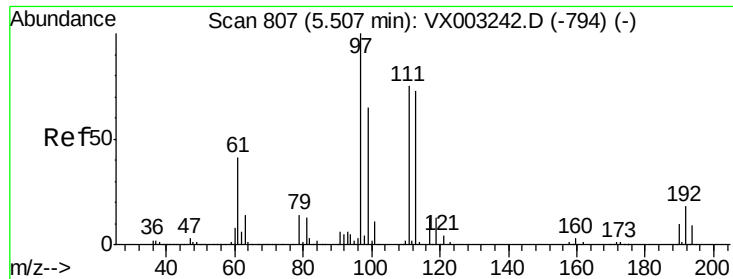
Tot Ion: 65 Resp: 157989
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003318.D
 Acq: 11 Jul 2018 07:17

Tgt Ion: 114 Resp: 364172
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 15.2 0.0 30.0

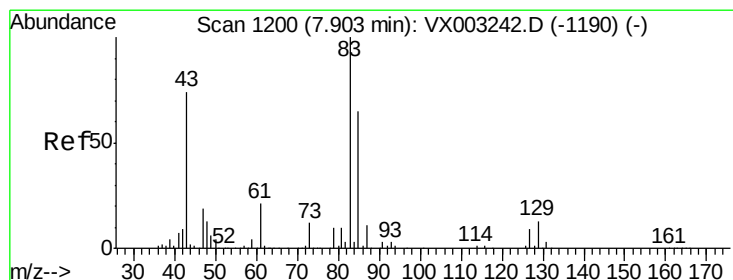
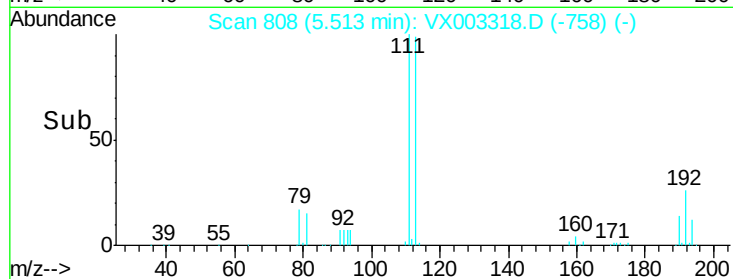
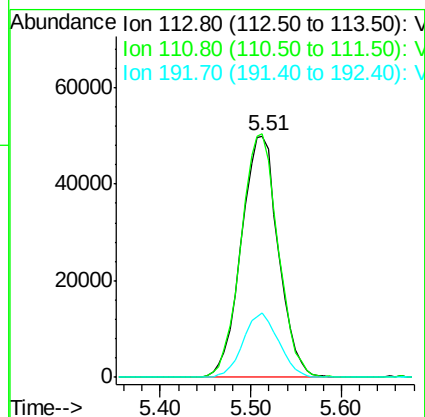
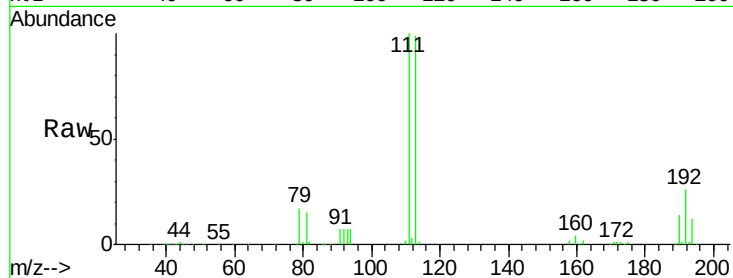




#35
 Dibromofluoromethane
 Concen: 36.27 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX003318.D
 Acq: 11 Jul 2018 07:17

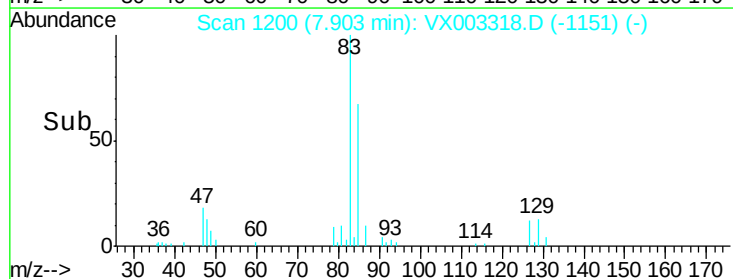
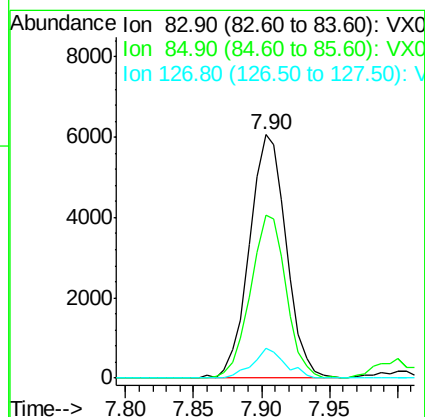
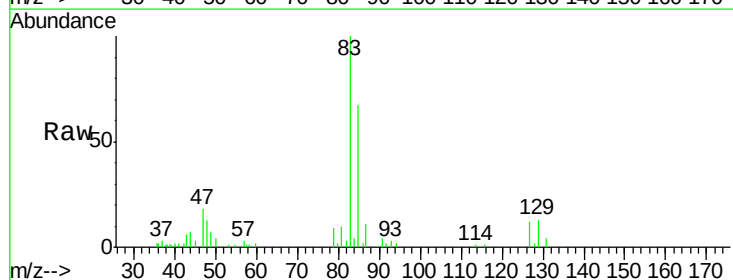
Instrument :
 MSVOA_X
 ClientSampleId :
 VB21029

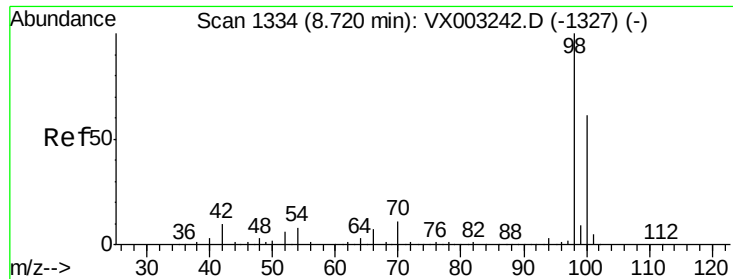
Tot Ion:113 Resp: 141886
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.4 122.0
 192 25.6 19.1 28.7



#47
 Bromodichloromethane
 Concen: 2.31 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VX003318.D
 Acq: 11 Jul 2018 07:17

Tgt Ion: 83 Resp: 11518
 Ion Ratio Lower Upper
 83 100
 85 67.1 50.3 75.5
 127 12.0 7.0 10.4#

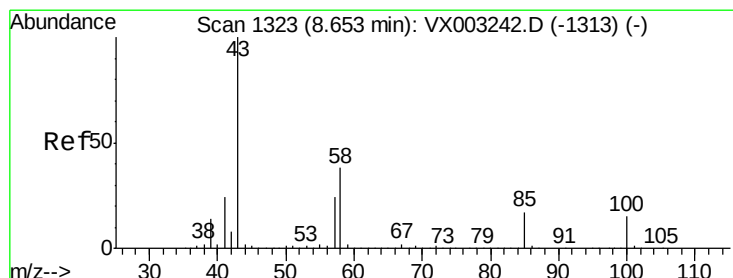
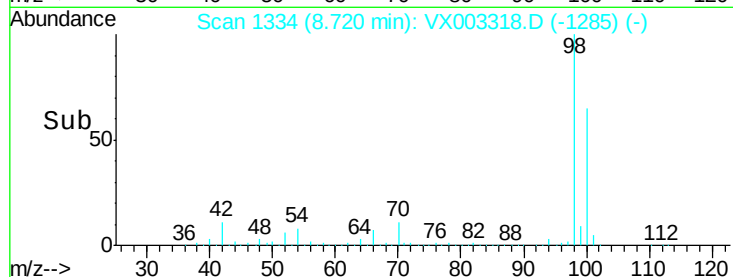
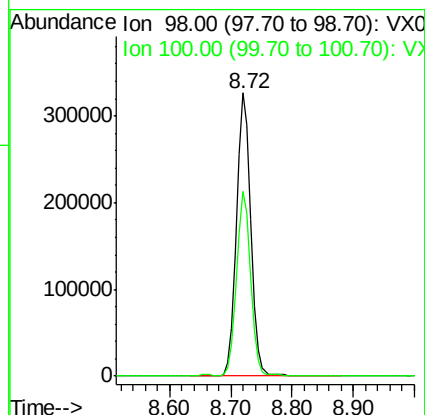
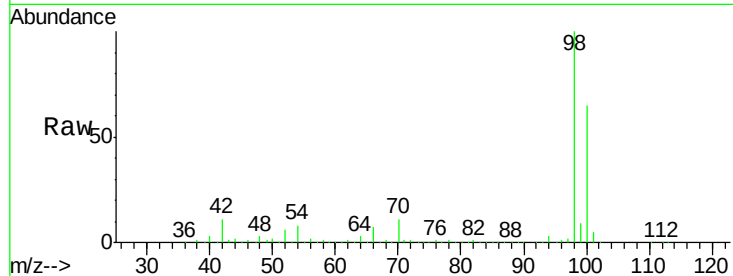




#50
Toluene-d8
Concen: 37.03 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003318.D
Acq: 11 Jul 2018 07:17

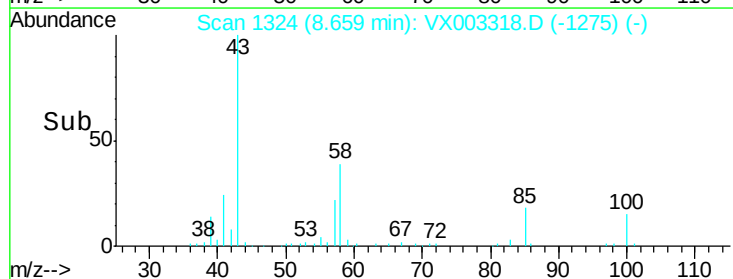
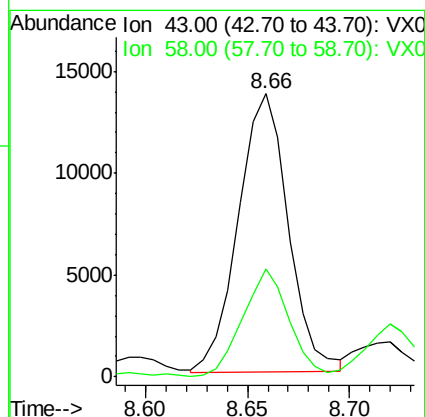
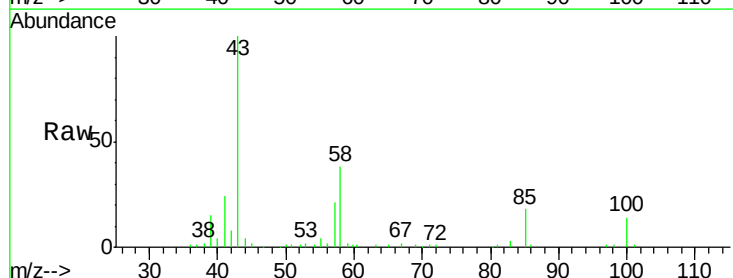
Instrument :
MSVOA_X
ClientSampleId :
VB21029

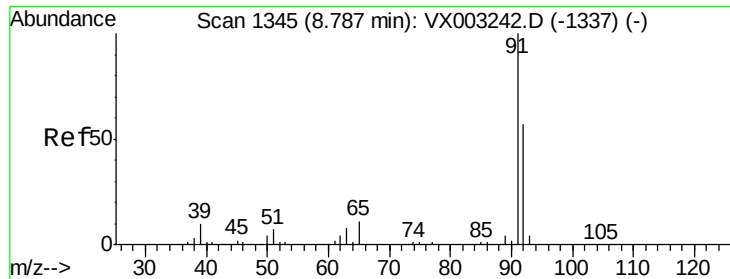
Tot Ion: 98 Resp: 514611
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 4.22 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX003318.D
Acq: 11 Jul 2018 07:17

Tgt Ion: 43 Resp: 23298
Ion Ratio Lower Upper
43 100
58 35.3 28.6 42.8





#52

Toluene

Concen: 560.09 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX003318.D

Acq: 11 Jul 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

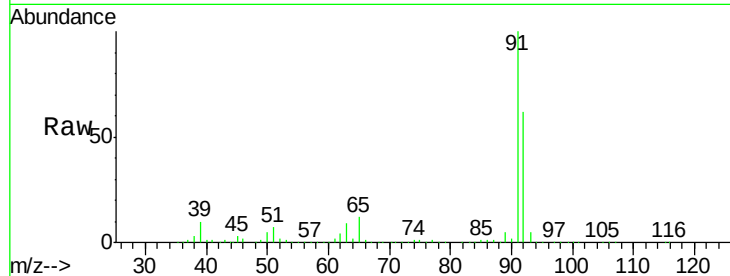
VB21029

Tot Ion: 92 Resp: 5409112

Ion Ratio Lower Upper

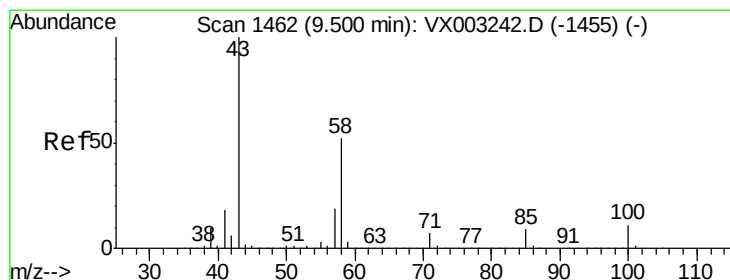
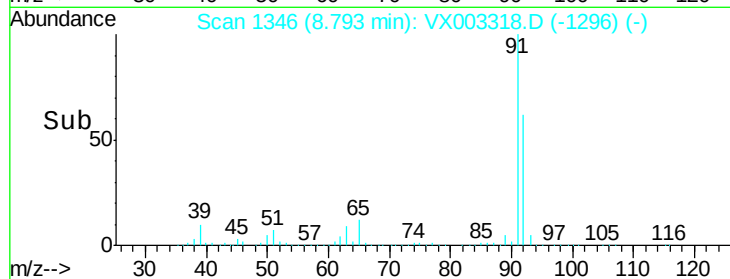
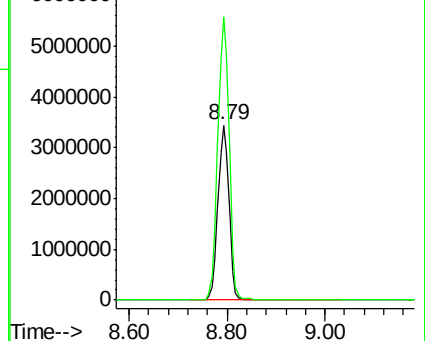
92 100

91 166.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#59

2-Hexanone

Concen: 5.18 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. 0.01 min

Lab File: VX003318.D

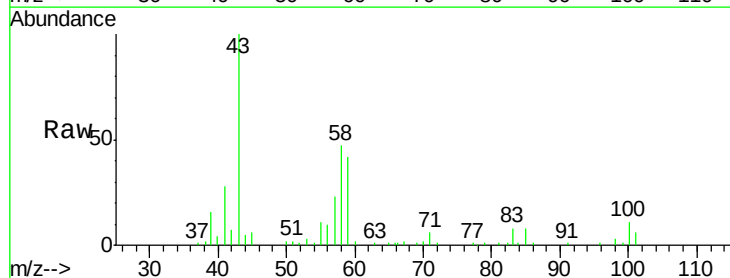
Acq: 11 Jul 2018 07:17

Tgt Ion: 43 Resp: 21754

Ion Ratio Lower Upper

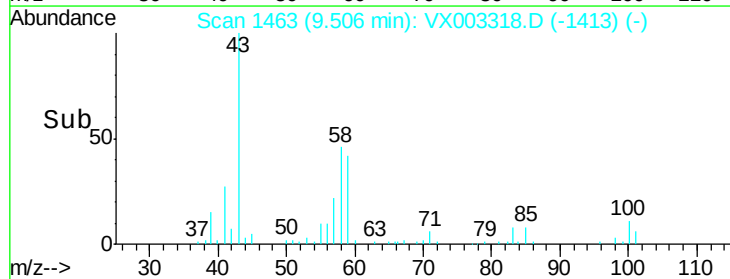
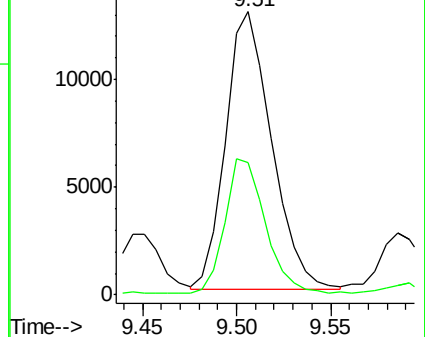
43 100

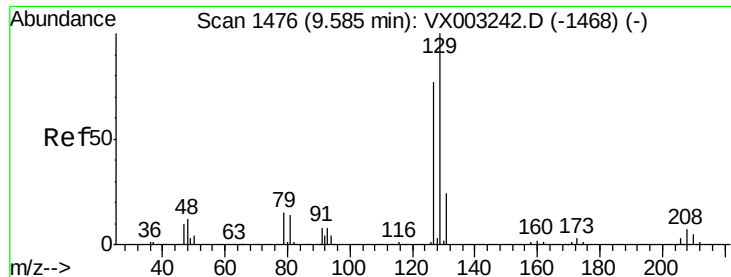
58 42.8 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 0.85 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003318.D

Acq: 11 Jul 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

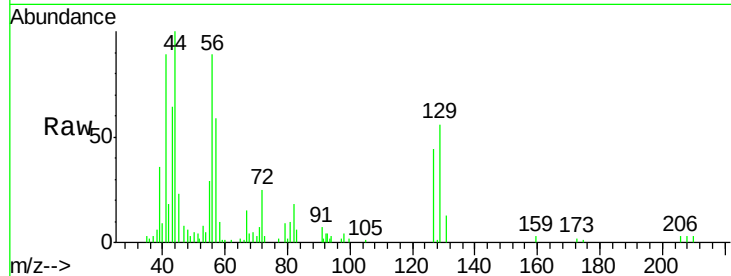
VB21029

Tot Ion:129 Resp: 3564

Ion Ratio Lower Upper

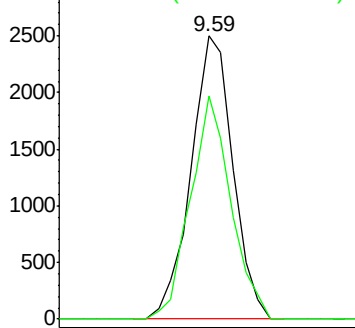
129 100

127 76.5 38.5 115.3

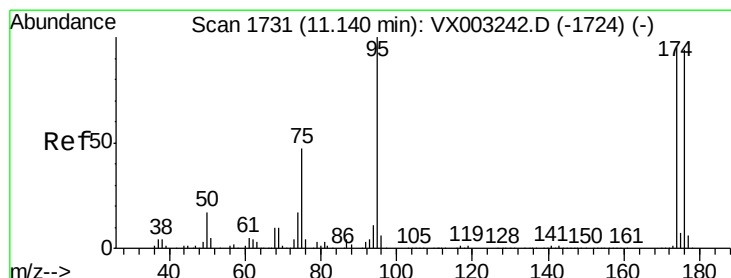
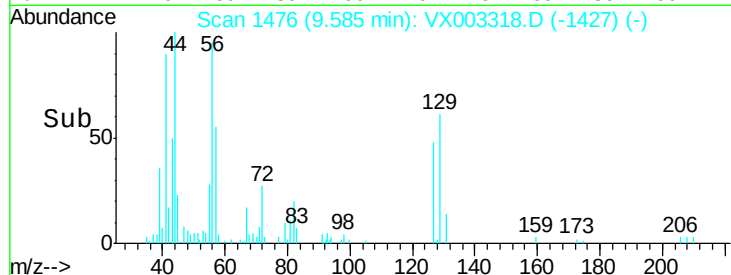


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 37.40 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003318.D

Acq: 11 Jul 2018 07:17

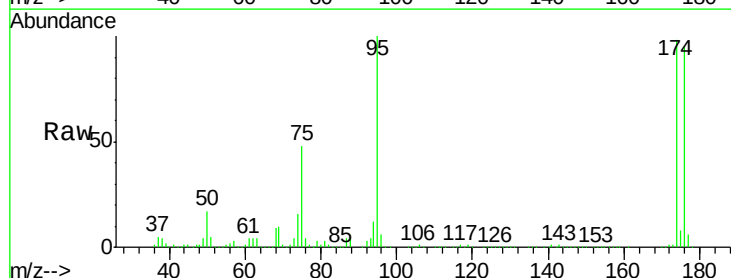
Tgt Ion: 95 Resp: 192074

Ion Ratio Lower Upper

95 100

174 100.7 0.0 187.4

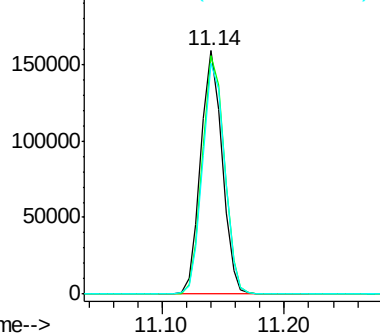
176 97.5 0.0 181.0



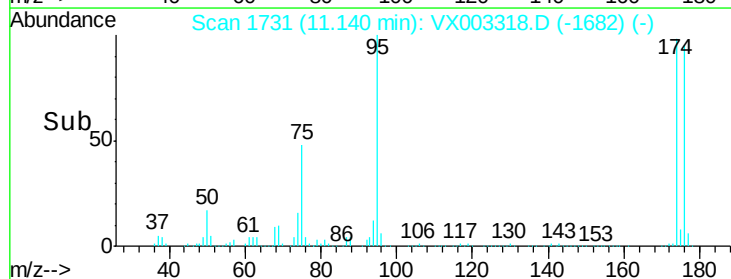
Abundance Ion 94.90 (94.60 to 95.60): VX0

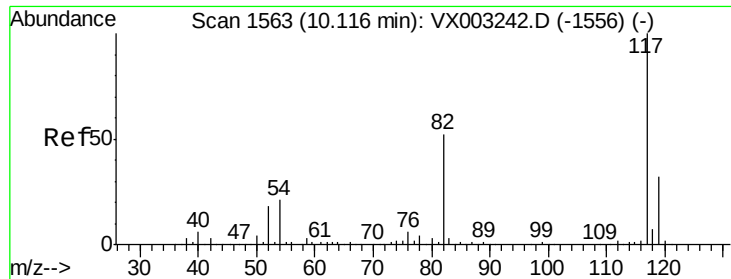
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

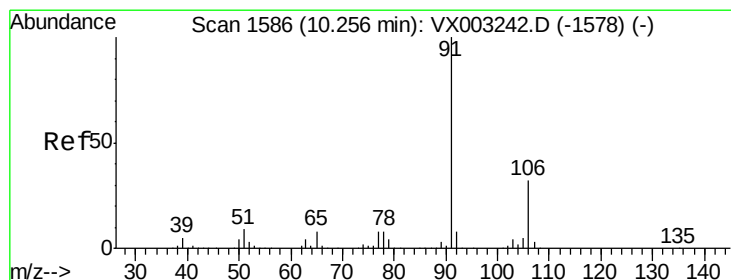
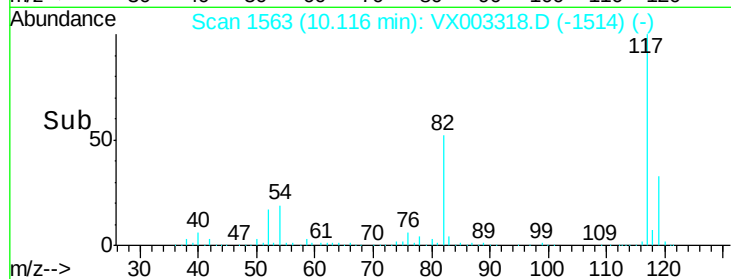
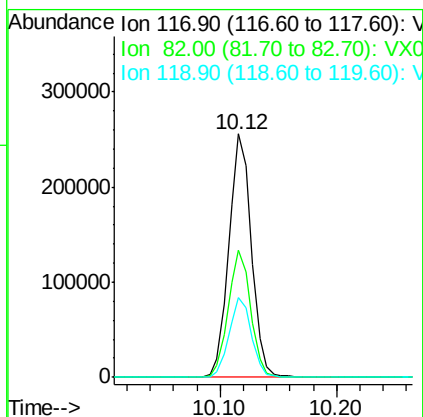
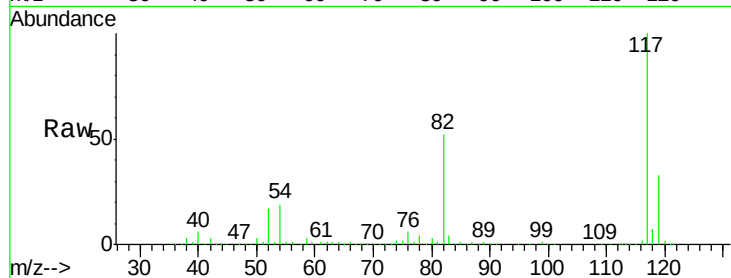




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003318.D
Acq: 11 Jul 2018 07:17

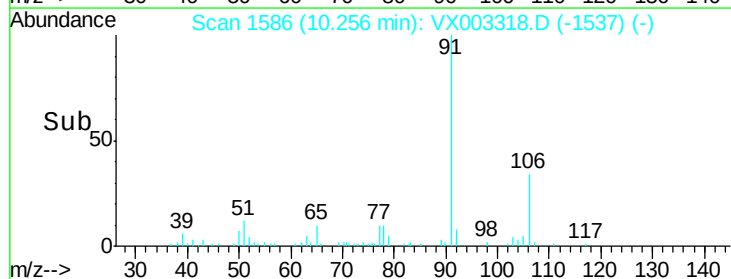
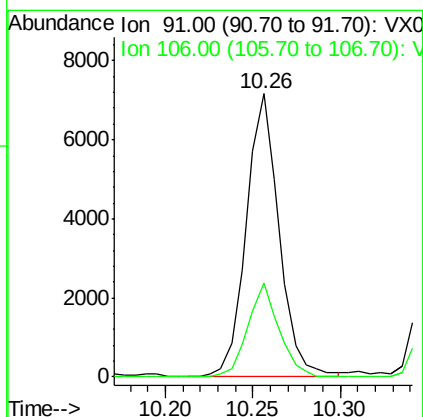
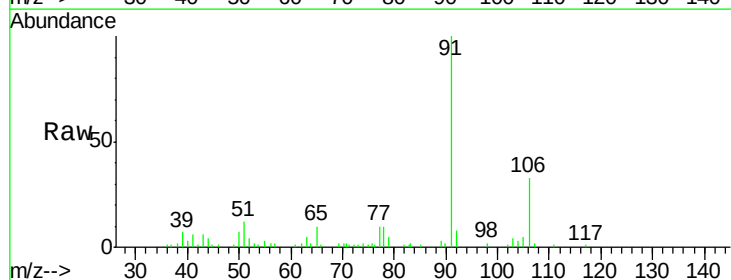
Instrument :
MSVOA_X
ClientSampleId :
VB21029

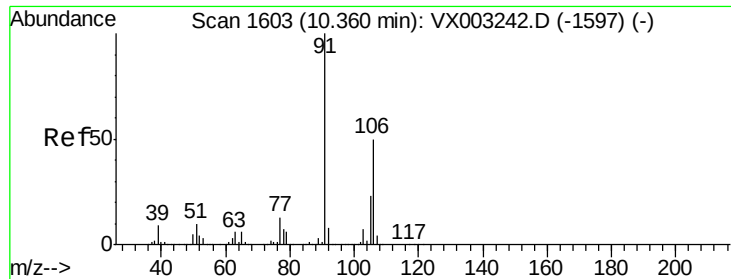
Tot Ion:117 Resp: 344937
Ion Ratio Lower Upper
117 100
82 52.4 45.0 67.4
119 32.6 25.8 38.6



#67
Ethyl Benzene
Concen: 0.49 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003318.D
Acq: 11 Jul 2018 07:17

Tgt Ion: 91 Resp: 9344
Ion Ratio Lower Upper
91 100
106 33.3 25.5 38.3

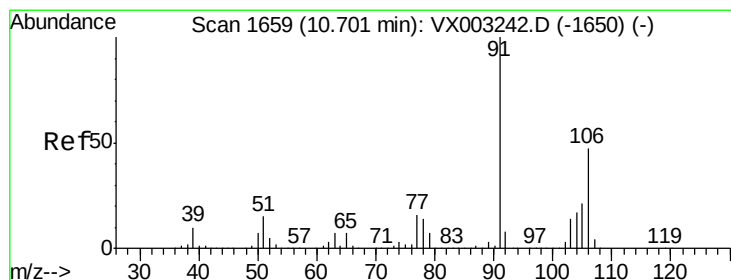
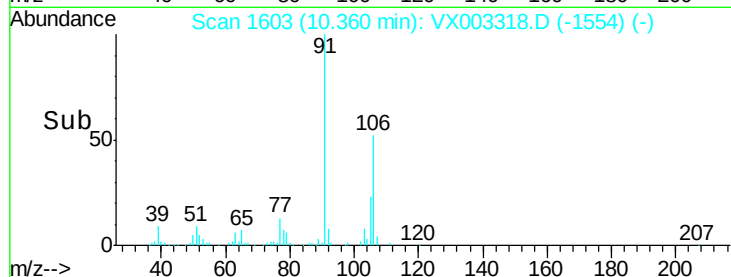
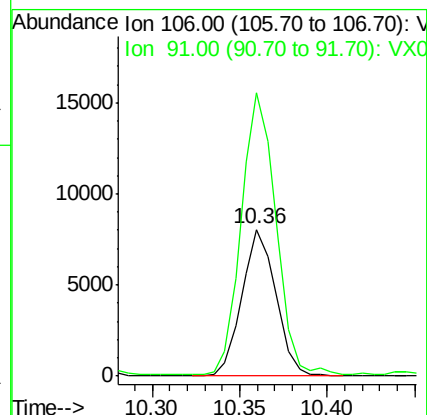
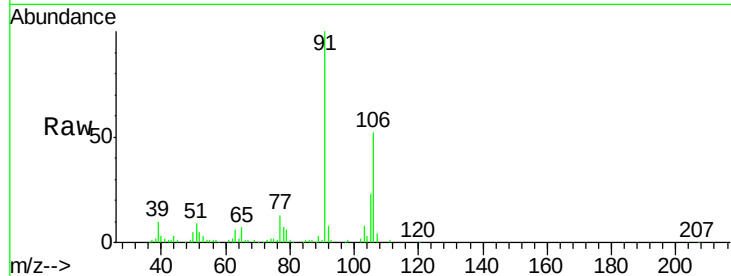




#68
m/p-Xylenes
Concen: 1.48 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003318.D
Acq: 11 Jul 2018 07:17

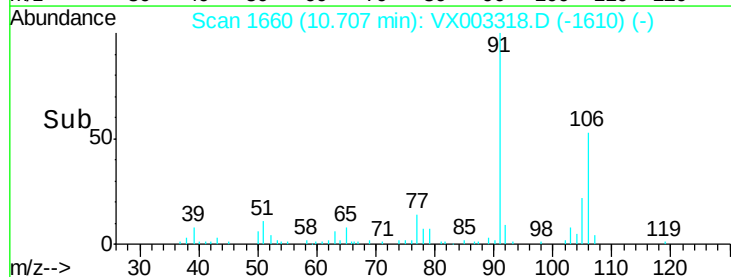
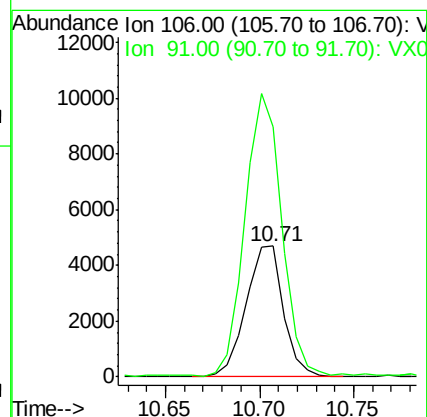
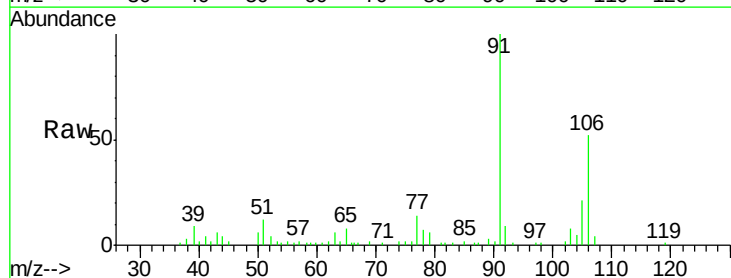
Instrument :
MSVOA_X
ClientSampleId :
VB21029

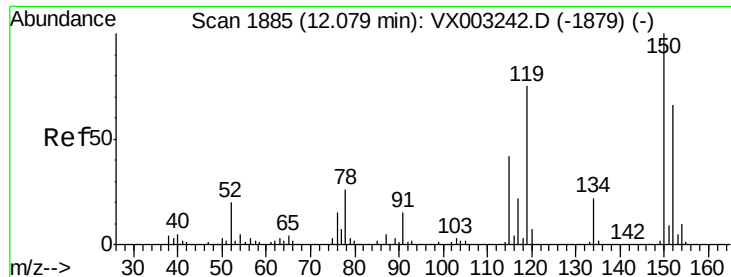
Tot Ion:106 Resp: 10906
Ion Ratio Lower Upper
106 100
91 194.9 163.4 245.2



#69
o-Xylene
Concen: 0.91 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX003318.D
Acq: 11 Jul 2018 07:17

Tgt Ion:106 Resp: 6469
Ion Ratio Lower Upper
106 100
91 215.0 108.2 324.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003318.D

Acq: 11 Jul 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

VB21029

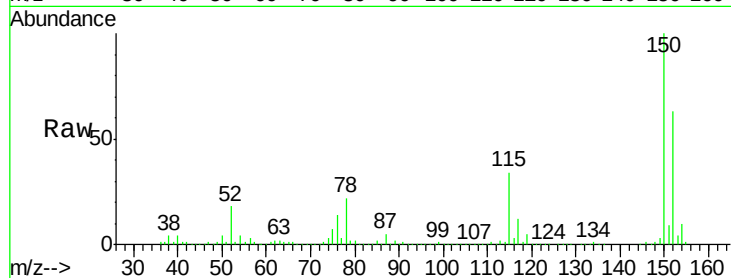
Tot Ion:152 Resp: 216502

Ion Ratio Lower Upper

152 100

115 53.6 40.1 120.2

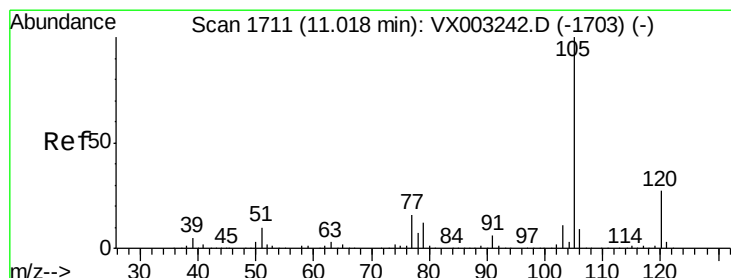
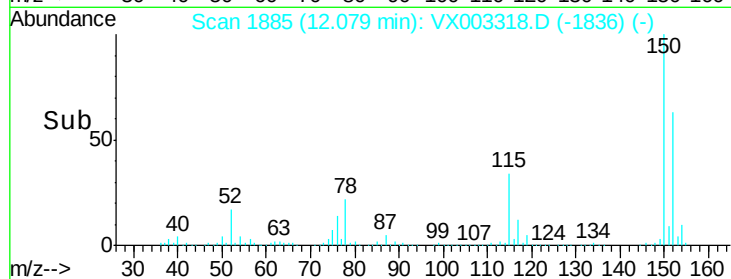
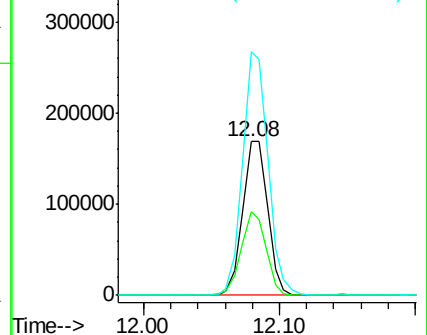
150 161.0 0.0 347.2



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: 0.27 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003318.D

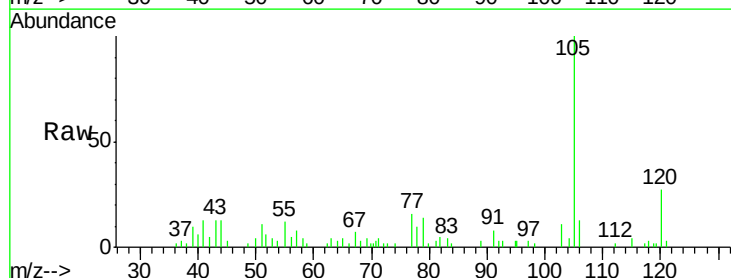
Acq: 11 Jul 2018 07:17

Tgt Ion:105 Resp: 4554

Ion Ratio Lower Upper

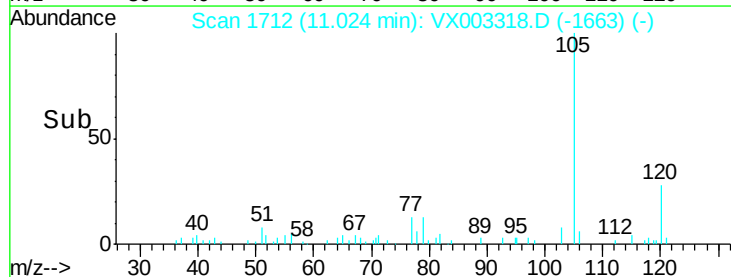
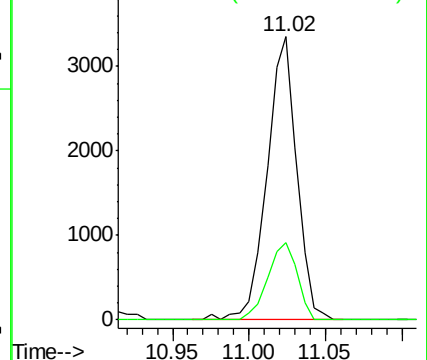
105 100

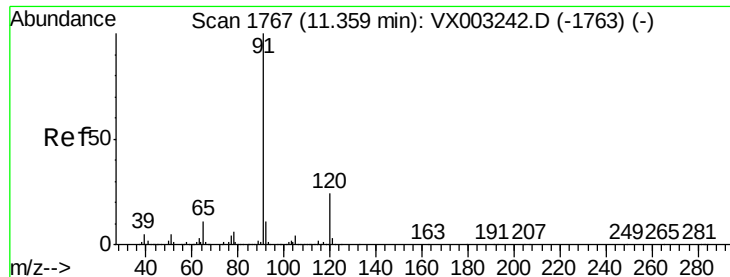
120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.59 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003318.D

Acq: 11 Jul 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

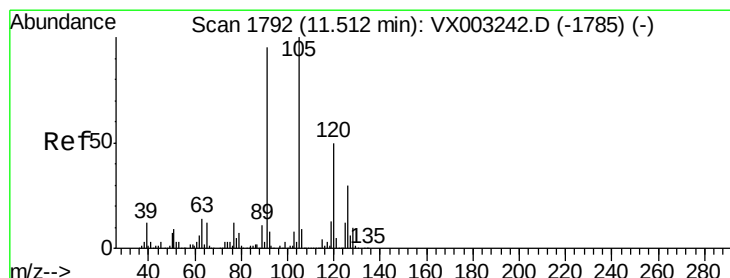
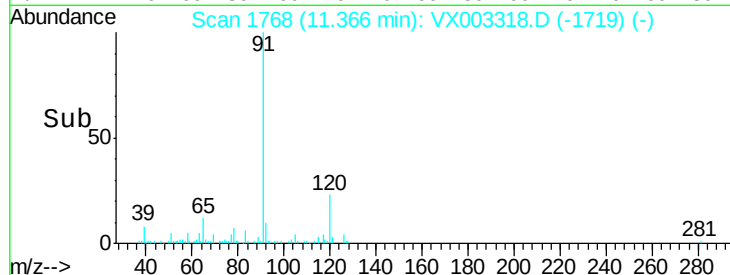
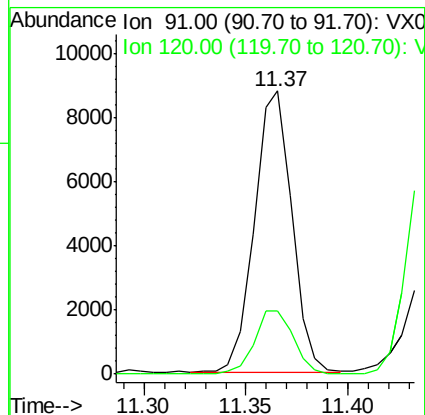
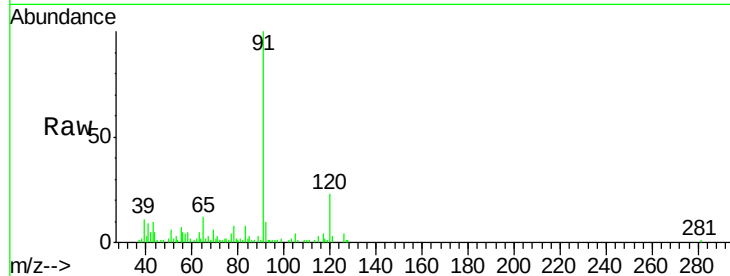
VB21029

Tot Ion: 91 Resp: 11215

Ion Ratio Lower Upper

91 100

120 23.5 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 1.01 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003318.D

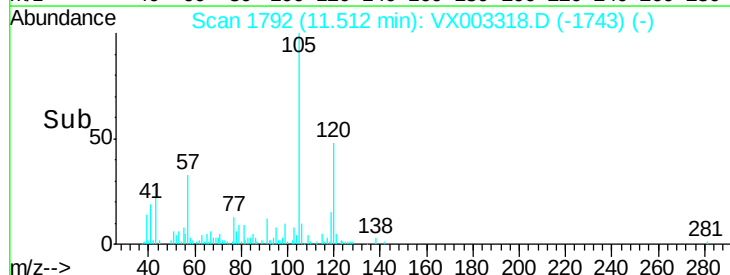
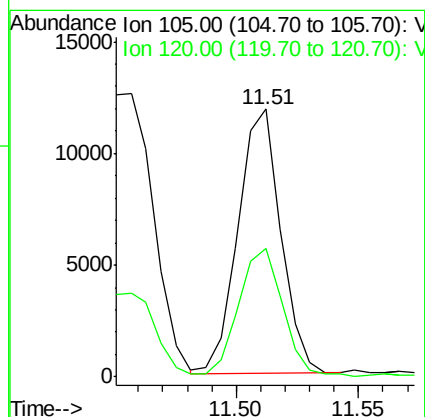
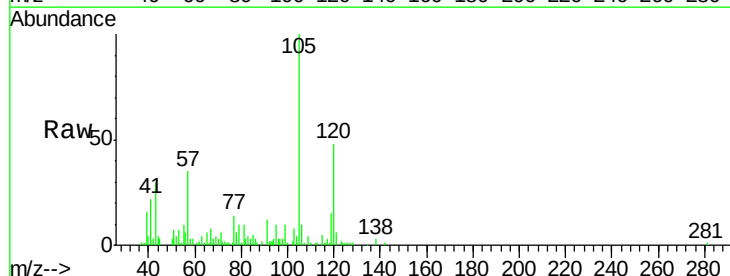
Acq: 11 Jul 2018 07:17

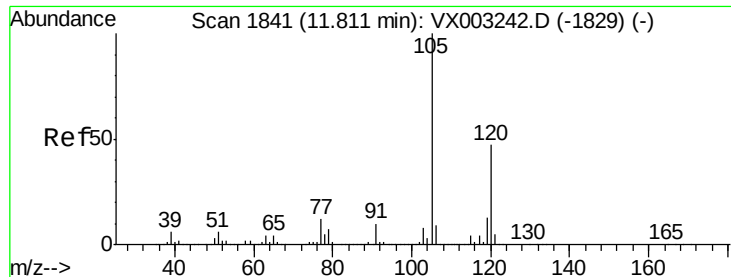
Tgt Ion: 105 Resp: 14360

Ion Ratio Lower Upper

105 100

120 49.6 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 4.55 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003318.D

Acq: 11 Jul 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

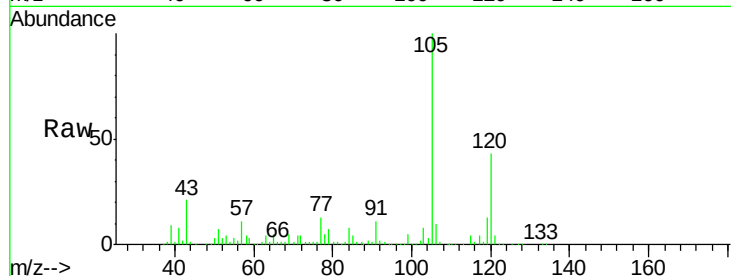
VB21029

Tot Ion:105 Resp: 66382

Ion Ratio Lower Upper

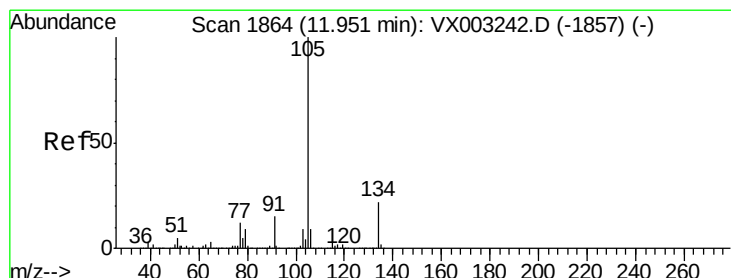
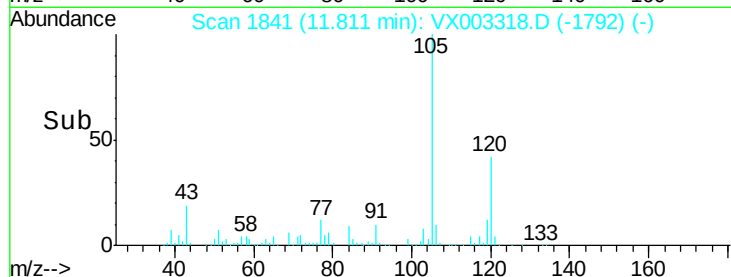
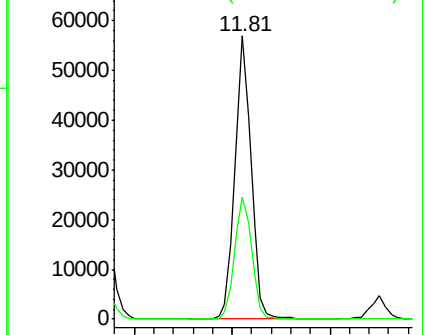
105 100

120 45.1 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.31 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003318.D

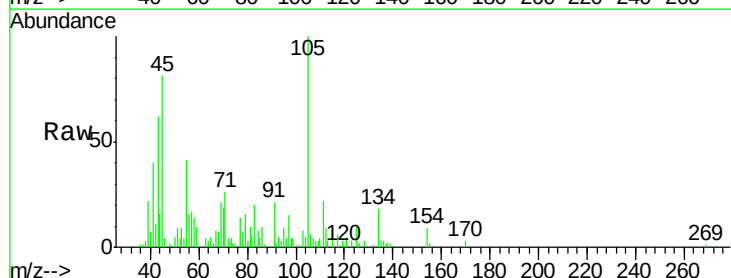
Acq: 11 Jul 2018 07:17

Tgt Ion:105 Resp: 5197

Ion Ratio Lower Upper

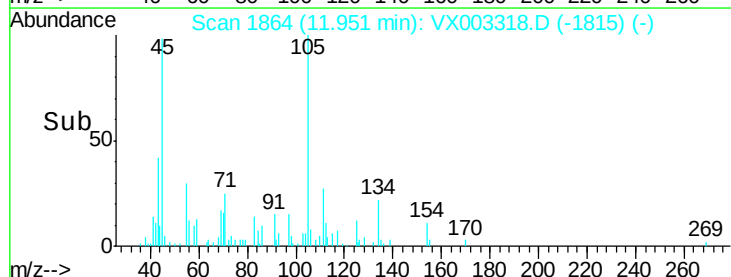
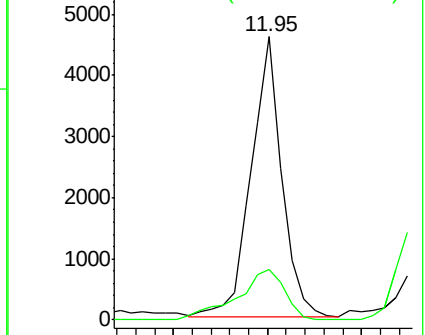
105 100

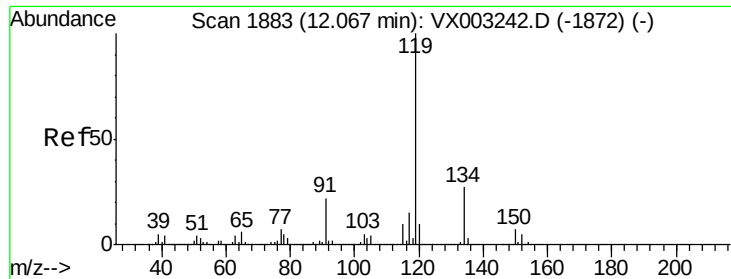
134 27.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

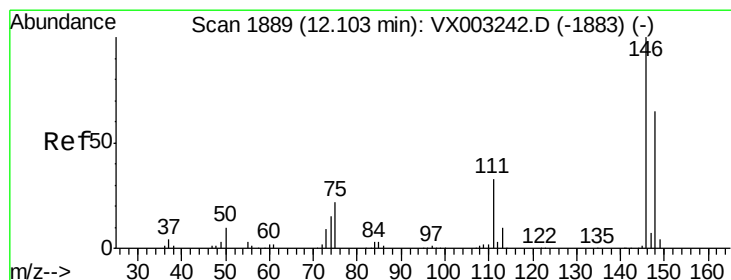
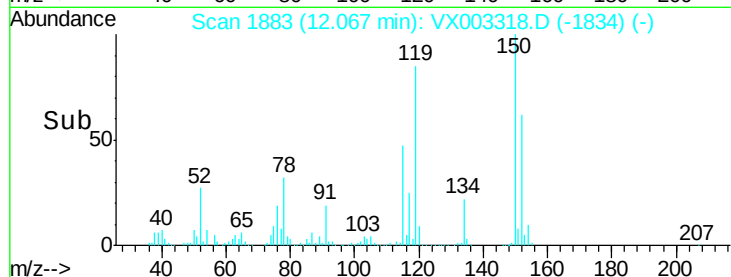
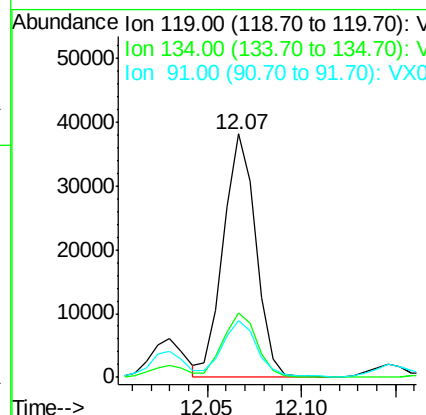
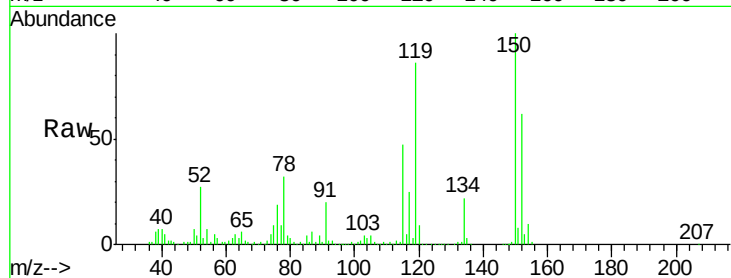




#86
 p-Isopropyltoluene
 Concen: 2.98 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003318.D
 Acq: 11 Jul 2018 07:17

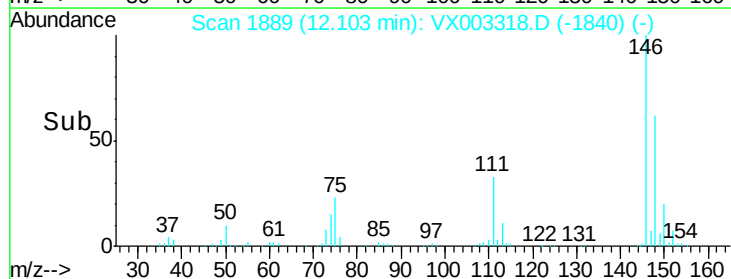
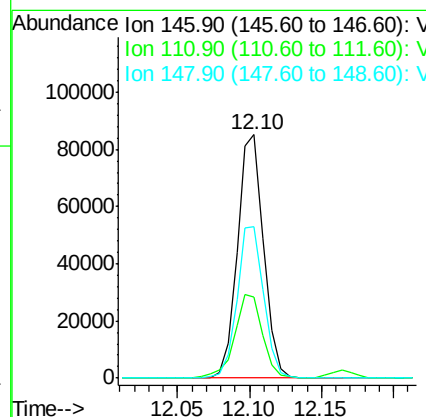
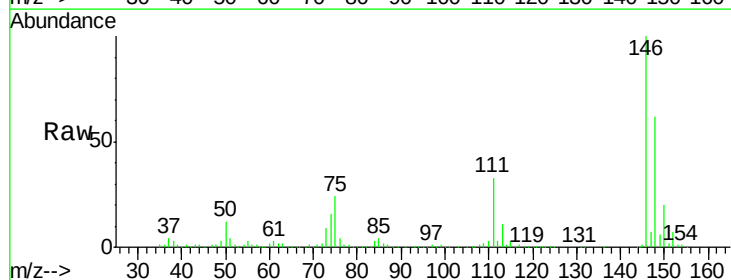
Instrument :
 MSVOA_X
 ClientSampled :
 VB21029

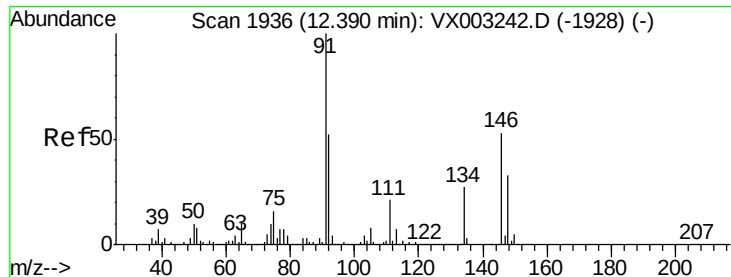
Tot Ion:119 Resp: 45580
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.4 40.1
 91 24.3 11.9 35.7



#88
 1,4-Dichlorobenzene
 Concen: 11.76 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX003318.D
 Acq: 11 Jul 2018 07:17

Tgt Ion:146 Resp: 107818
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.7 56.1
 148 63.9 32.4 97.0

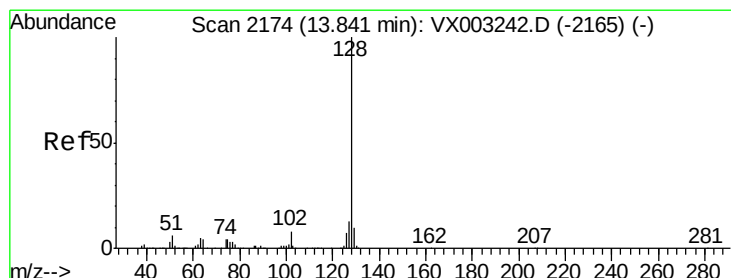
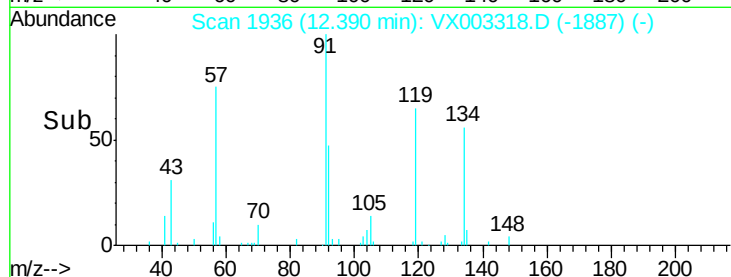
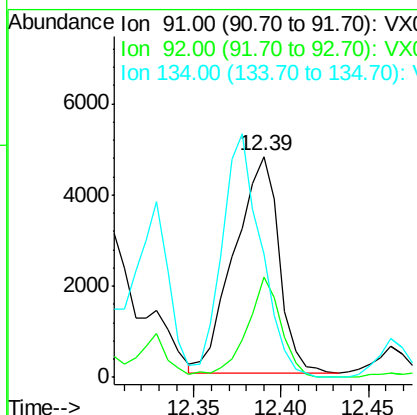
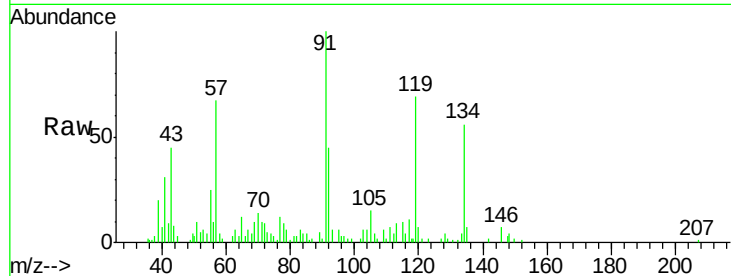




#89
n-Butylbenzene
Concen: 0.66 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003318.D
Acq: 11 Jul 2018 07:17

Instrument :
MSVOA_X
ClientSampled :
VB21029

Tot Ion: 91 Resp: 8458
Ion Ratio Lower Upper
91 100
92 34.7 26.0 78.0
134 98.5 13.5 40.5#



#95
Naphthalene
Concen: 2.73 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX003318.D
Acq: 11 Jul 2018 07:17

Tgt Ion:128 Resp: 47210
Ion Ratio Lower Upper
128 100
127 14.6 10.4 15.6
129 12.4 8.6 13.0

