

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
 Data File : VX007107.D
 Acq On : 18 Jan 2019 00:15
 Operator : JC/SP
 Sample : K1153-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR200044-RBR200027

Quant Time: Jan 18 05:07:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	590997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	900331	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	850207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	405232	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	308279	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	5.50	113	276437	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
50) Toluene-d8	8.71	98	1091744	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
62) 4-Bromofluorobenzene	11.13	95	379044	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds

						Qvalue
3) Chloromethane	1.33	50	1159	0.205	ug/l #	78
5) Bromomethane	1.64	94	2837	0.437	ug/l	85
8) Diethyl Ether	2.20	74	833	0.213	ug/l	82
10) Methyl Iodide	2.51	142	2005	0.253	ug/l #	73
11) Tert butyl alcohol	3.07	59	2488	1.708	ug/l	98
13) Acrolein	2.27	56	321	3.589	ug/l #	13
15) Acrylonitrile	3.14	53	1886	0.564	ug/l #	59
16) Acetone	2.45	43	20666	6.768	ug/l	95
17) Carbon Disulfide	2.57	76	3683	0.263	ug/l #	83
18) Methyl Acetate	2.78	43	5342	0.604	ug/l #	72
20) Methylene Chloride	2.86	84	761858	132.111	ug/l	96
21) trans-1,2-Dichloroethene	3.18	96	1639	0.271	ug/l #	26
25) 2-Butanone	4.70	43	10742	2.459	ug/l #	85
29) Tetrahydrofuran	5.16	42	1231	0.434	ug/l #	24
36) 1,1-Dichloropropene	5.67	75	38490	4.917	ug/l #	48
38) Carbon Tetrachloride	5.67	117	51583	6.550	ug/l #	15
43) Isopropyl Acetate	6.46	43	34169	2.581	ug/l	99
48) Methyl methacrylate	7.69	41	20371	2.997	ug/l #	12
49) 1,4-Dioxane	7.75	88	263	Below Cal	#	27
51) 4-Methyl-2-Pentanone	8.62	43	174884	20.558	ug/l #	48
54) cis-1,3-Dichloropropene	8.62	75	86943	9.884	ug/l #	63
59) 2-Hexanone	9.54	43	231520	35.713	ug/l #	50
64) Tetrachloroethene	9.33	164	1712	0.233	ug/l #	59
68) m/p-Xylenes	10.36	106	7239	0.600	ug/l	98
69) o-Xylene	10.70	106	3816	0.324	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	184189	22.430	ug/l #	40
78) n-propylbenzene	11.36	91	6560	0.209	ug/l	97
79) 2-Chlorotoluene	11.42	91	4451	0.236	ug/l	85
80) 1,3,5-Trimethylbenzene	11.51	105	7879	0.330	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.13	75	184189	66.351	ug/l #	10
82) 4-Chlorotoluene	11.51	91	5079	0.232	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	16262	0.677	ug/l	91
87) 1,3-Dichlorobenzene	12.03	146	3960	0.278	ug/l	97
88) 1,4-Dichlorobenzene	12.03	146	3960	0.438	ug/l	97

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Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

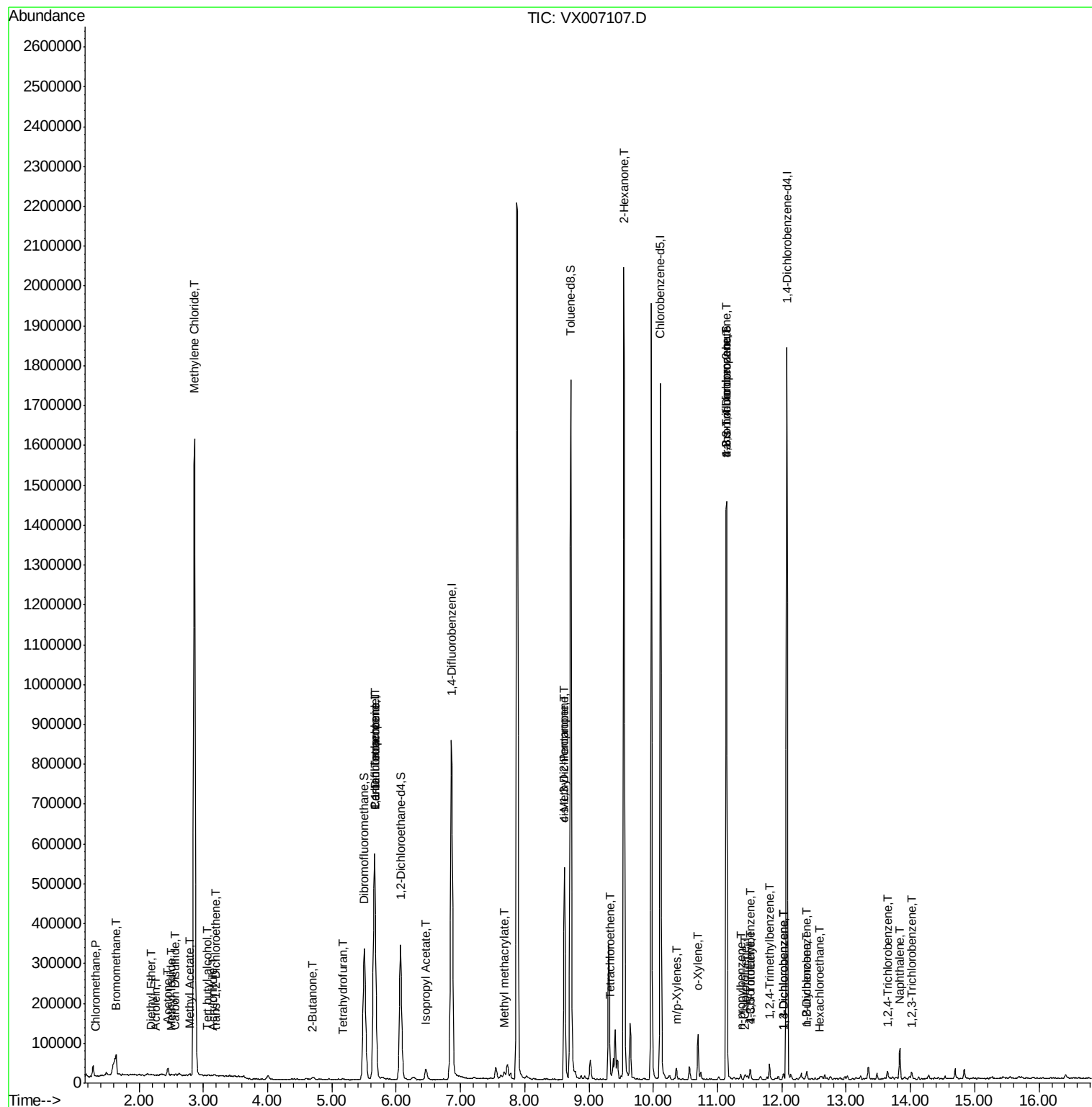
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	12.38	91	4838	0.223	ug/l #	83
90) Hexachloroethane	12.60	117	642	3.057	ug/l	72
91) 1,2-Dichlorobenzene	12.39	146	3509	0.250	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	4358	0.452	ug/l	92
95) Naphthalene	13.83	128	49441	1.693	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	3543	0.370	ug/l	86

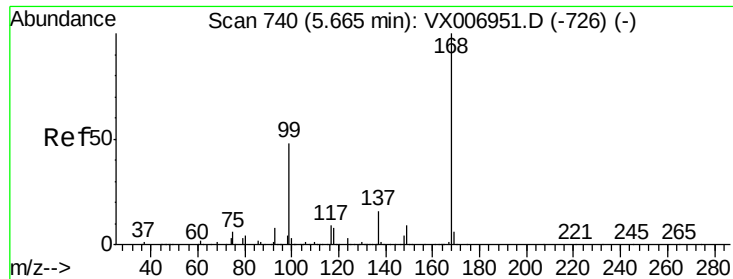
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

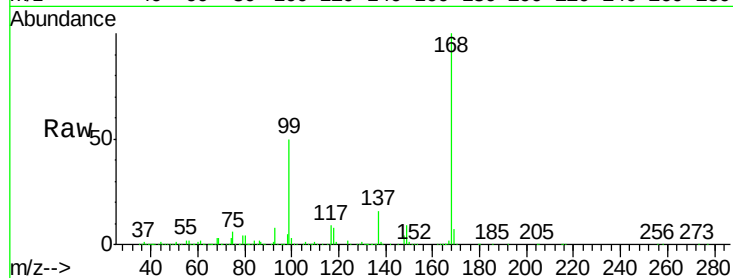
RBR200044-RBR200027

Tot Ion:168 Resp: 590997

Ion Ratio Lower Upper

168 100

99 50.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

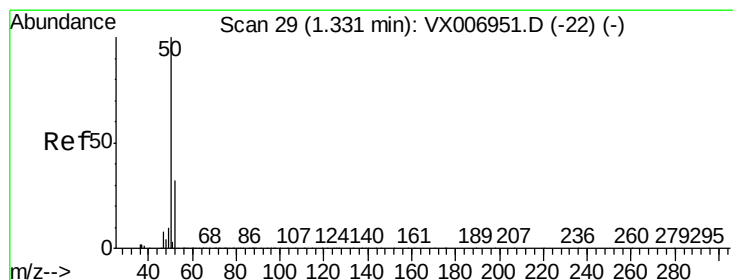
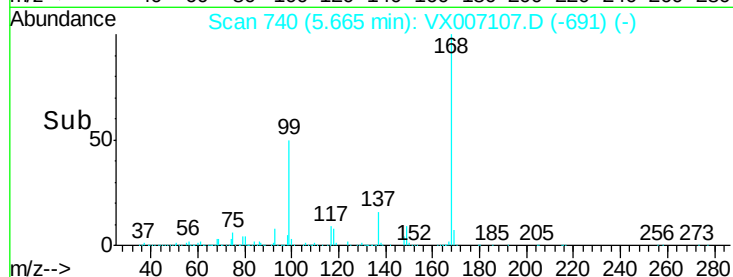
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.205 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007107.D

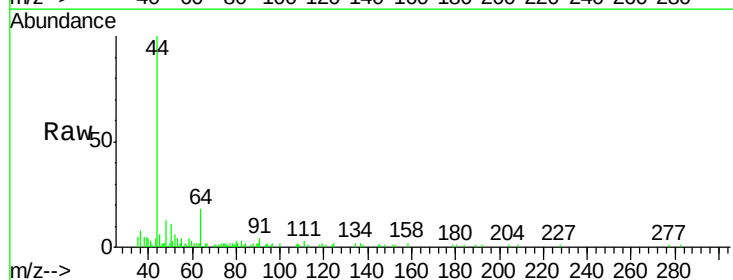
Acq: 18 Jan 2019 00:15

Tgt Ion: 50 Resp: 1159

Ion Ratio Lower Upper

50 100

52 44.2 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

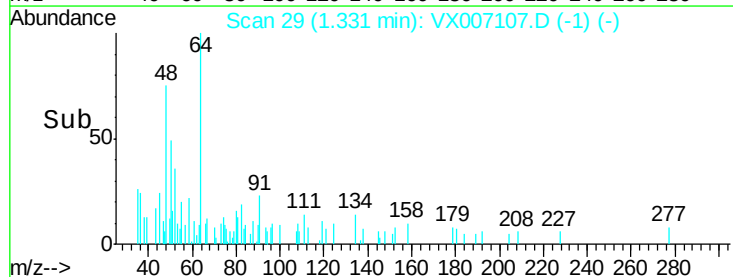
600

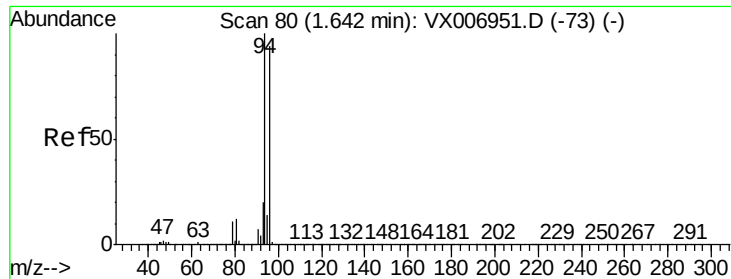
400

200

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.437 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

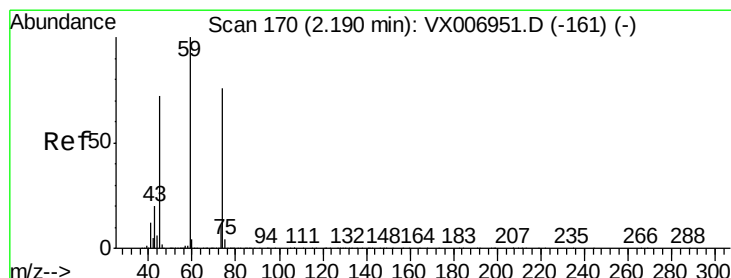
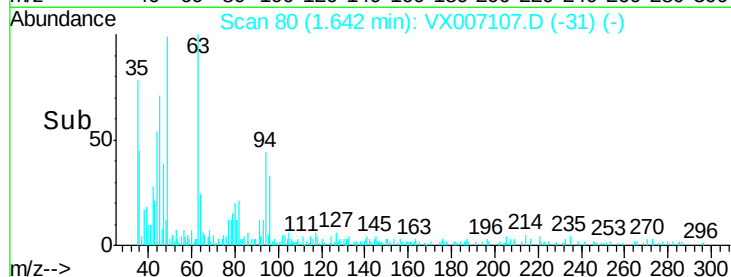
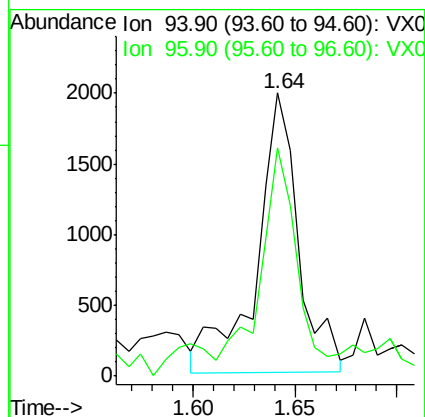
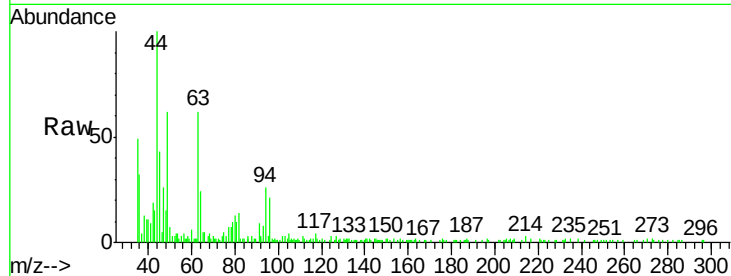
RBR200044-RBR200027

Tot Ion: 94 Resp: 2837

Ion Ratio Lower Upper

94 100

96 77.3 73.4 110.2



#8

Diethyl Ether

Concen: 0.213 ug/l

RT: 2.20 min Scan# 171

Delta R.T. 0.01 min

Lab File: VX007107.D

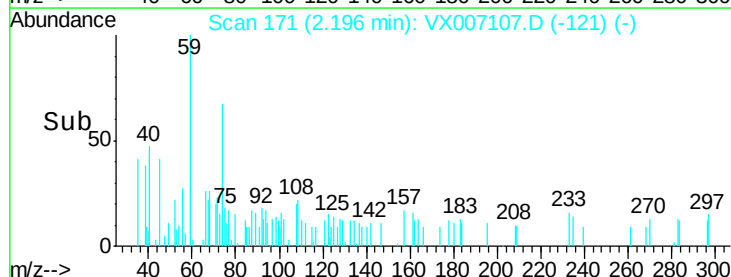
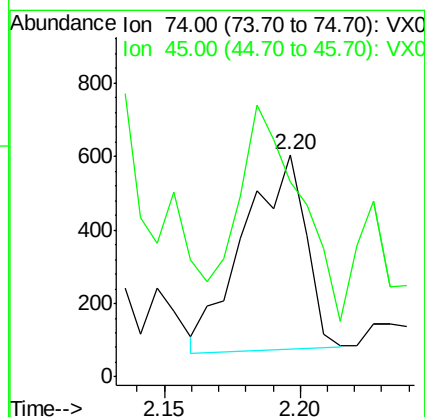
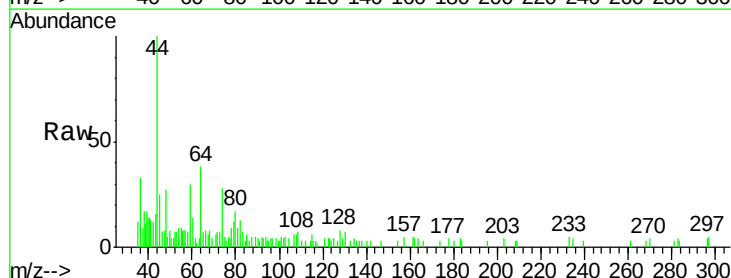
Acq: 18 Jan 2019 00:15

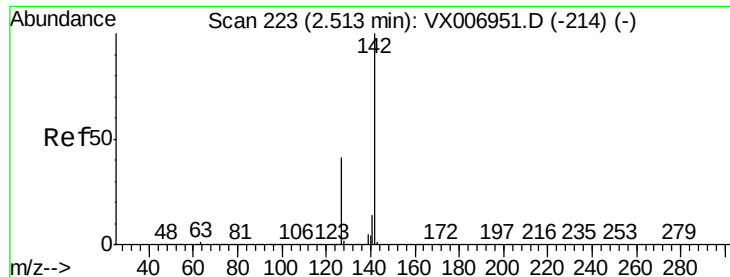
Tgt Ion: 74 Resp: 833

Ion Ratio Lower Upper

74 100

45 110.0 46.3 138.9

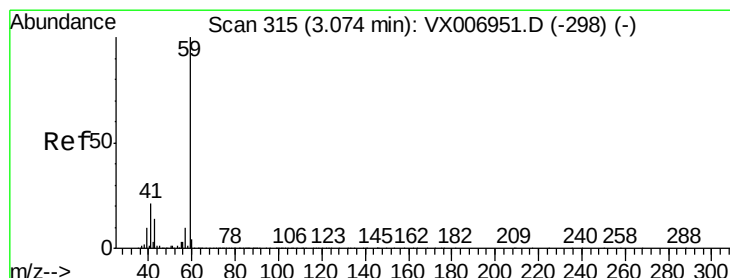
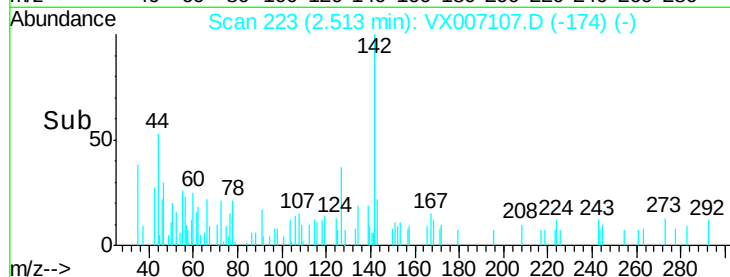
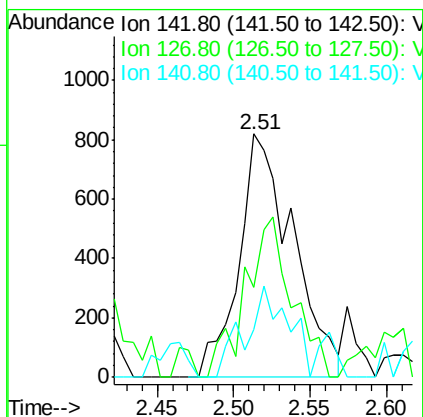
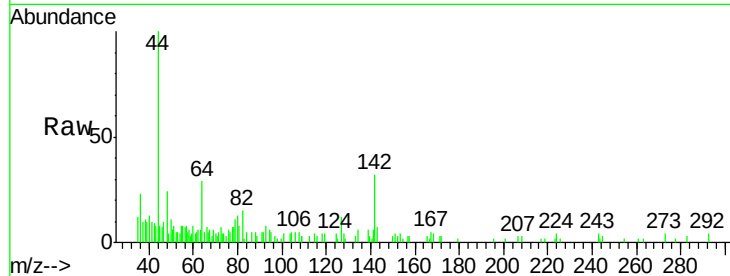




#10
Methvl Iodide
Concen: 0.253 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX007107.D
Acq: 18 Jan 2019 00:15

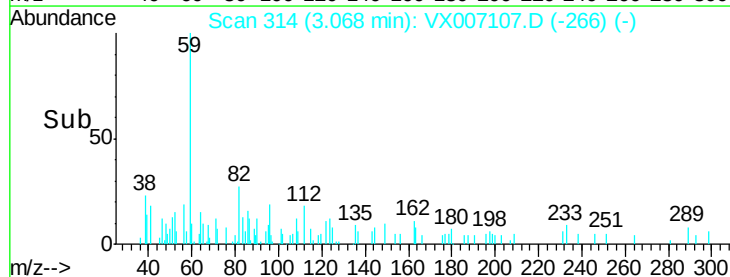
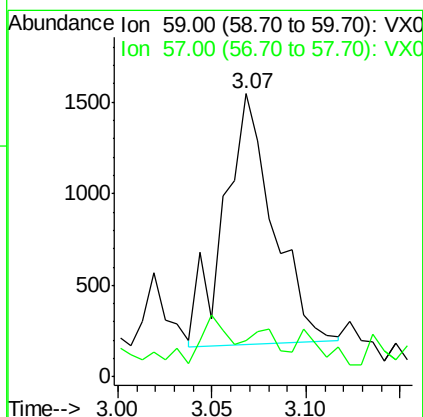
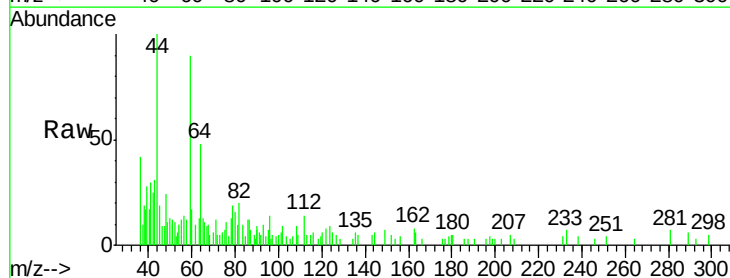
Instrument :
MSVOA_X
ClientSampleId :
RBR200044-RBR200027

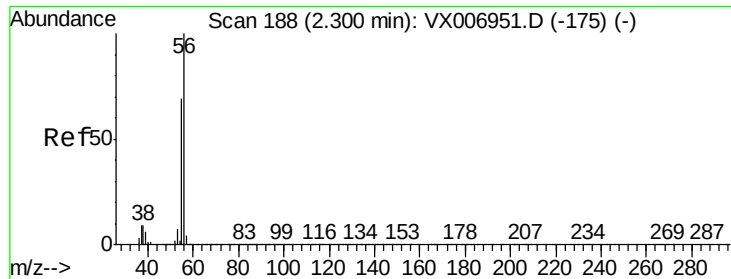
Tot Ion:142 Resp: 2005
Ion Ratio Lower Upper
142 100
127 57.5 33.9 50.9#
141 29.8 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.708 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007107.D
Acq: 18 Jan 2019 00:15

Tgt Ion: 59 Resp: 2488
Ion Ratio Lower Upper
59 100
57 9.8 8.5 12.7





#13

Acrolein

Concen: 3.589 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.03 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

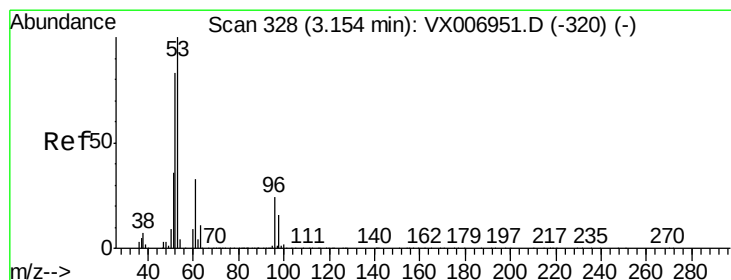
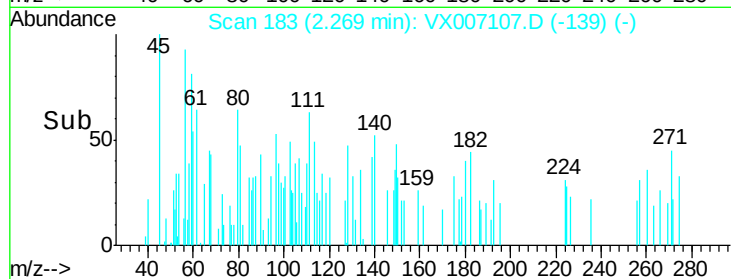
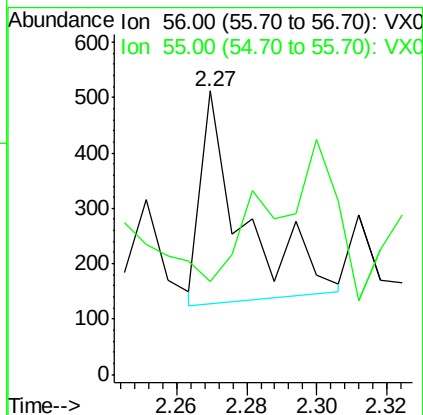
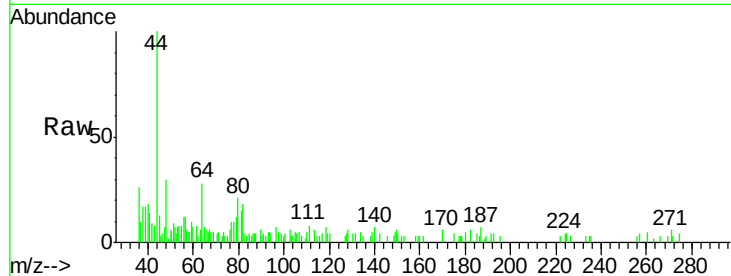
RBR200044-RBR200027

Tot Ion: 56 Resp: 321

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#15

Acrylonitrile

Concen: 0.564 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

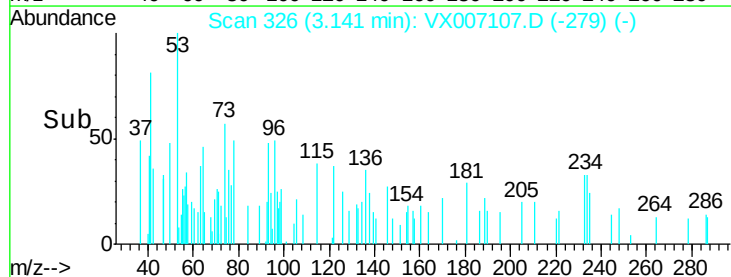
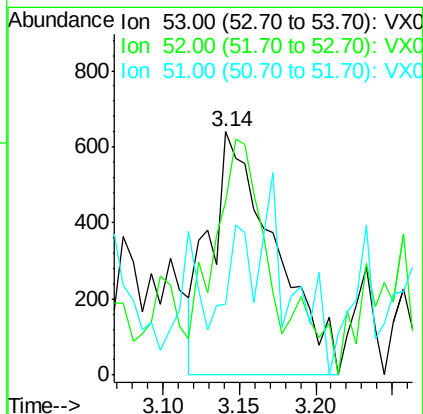
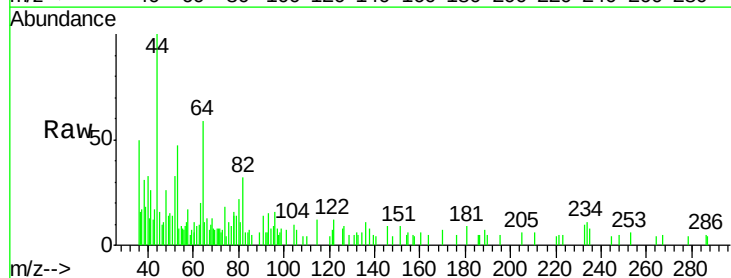
Tgt Ion: 53 Resp: 1886

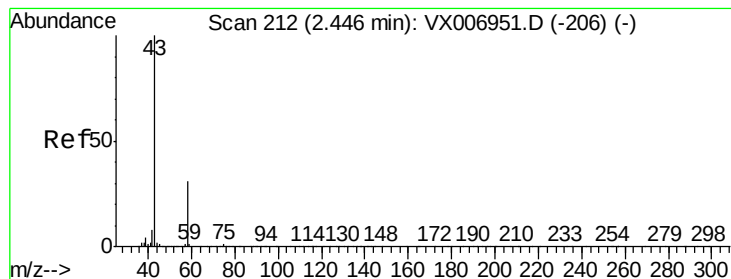
Ion Ratio Lower Upper

53 100

52 54.0 66.0 99.0#

51 0.0 28.6 42.8#





#16

Acetone

Concen: 6.768 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

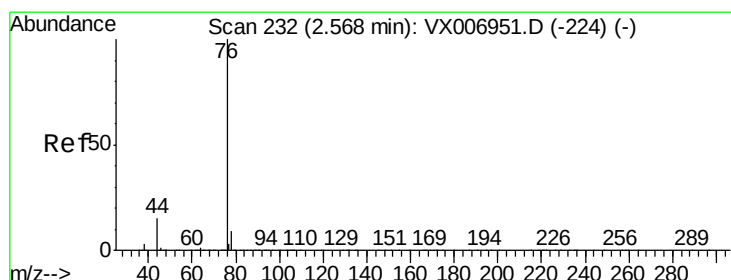
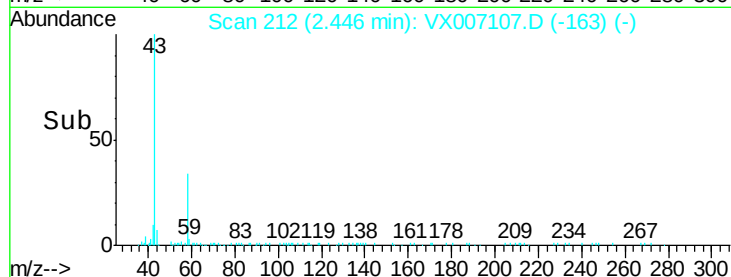
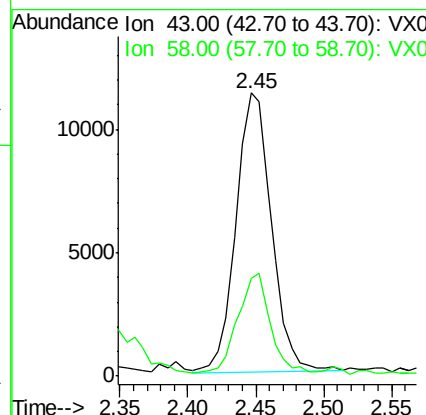
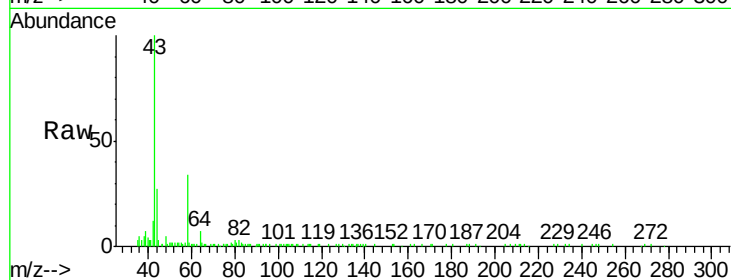
RBR200044-RBR200027

Tot Ion: 43 Resp: 20666

Ion Ratio Lower Upper

43 100

58 33.9 25.0 37.6



#17

Carbon Disulfide

Concen: 0.263 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007107.D

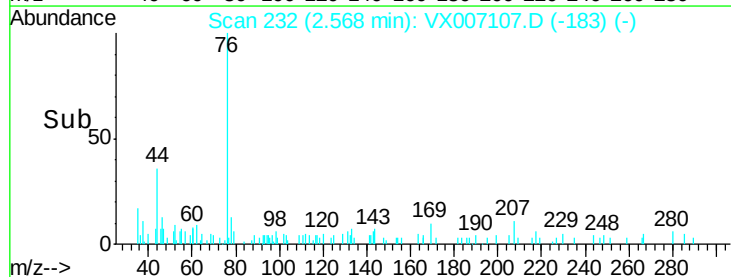
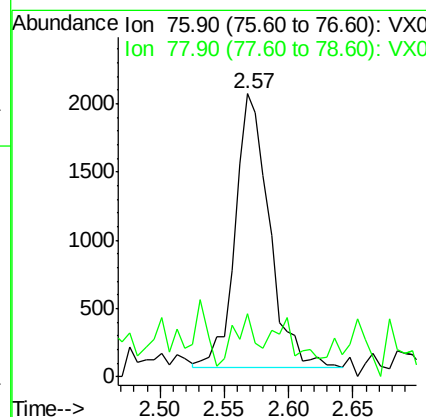
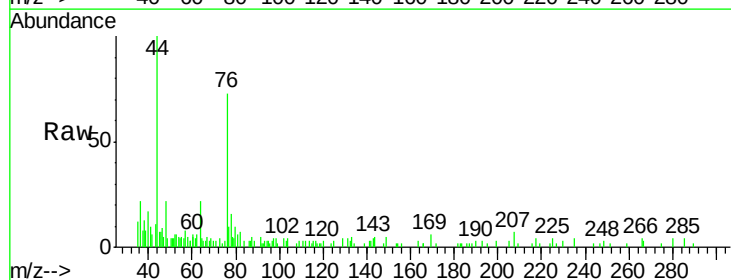
Acq: 18 Jan 2019 00:15

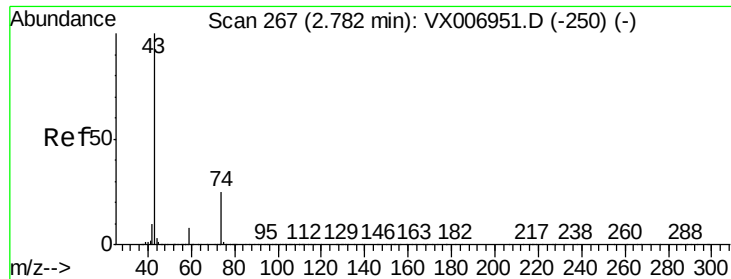
Tgt Ion: 76 Resp: 3683

Ion Ratio Lower Upper

76 100

78 15.0 7.0 10.6#

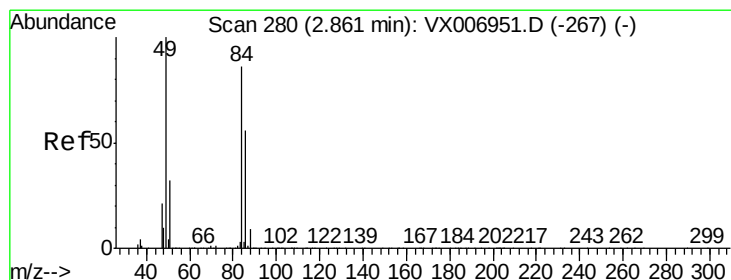
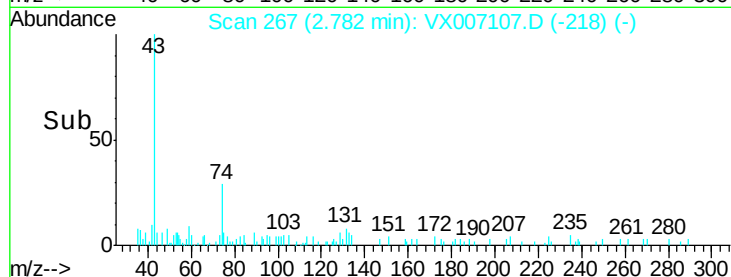
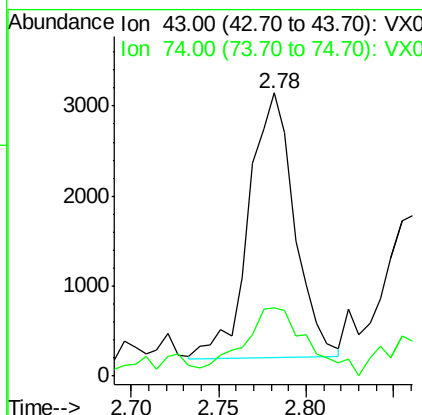
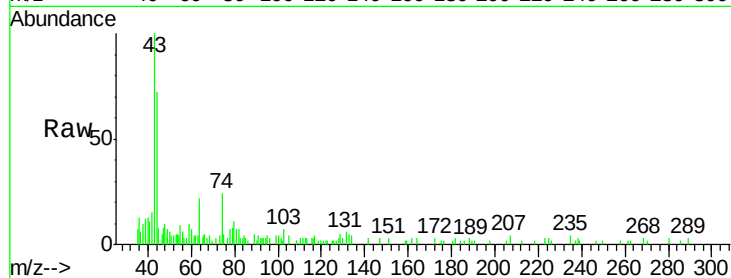




#18
Methyl Acetate
Concen: 0.604 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007107.D
Acq: 18 Jan 2019 00:15

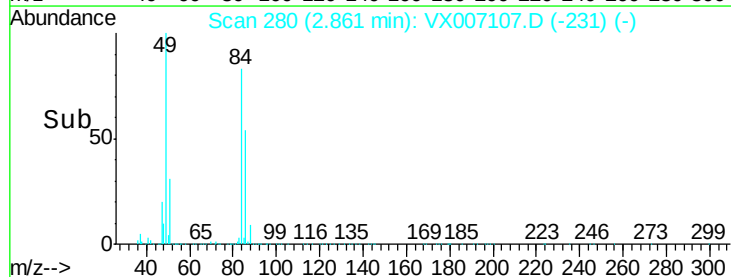
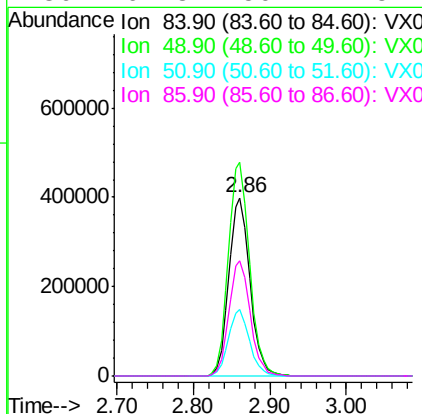
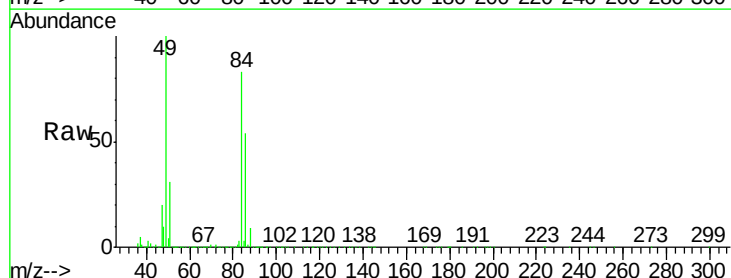
Instrument :
MSVOA_X
ClientSampleId :
RBR200044-RBR200027

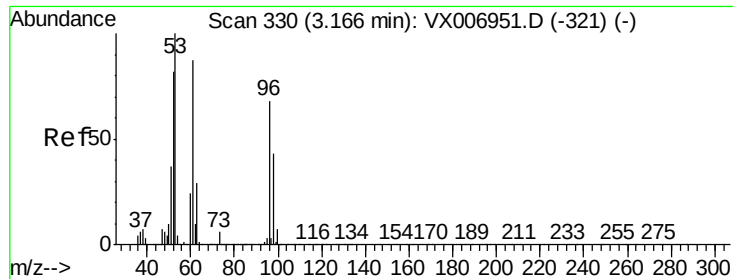
Tot Ion: 43 Resp: 5342
Ion Ratio Lower Upper
43 100
74 36.9 18.6 28.0#



#20
Methylene Chloride
Concen: 132.111 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007107.D
Acq: 18 Jan 2019 00:15

Tgt Ion: 84 Resp: 761858
Ion Ratio Lower Upper
84 100
49 119.9 91.8 137.6
51 37.6 28.5 42.7
86 64.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 0.271 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.01 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

RBR200044-RBR200027

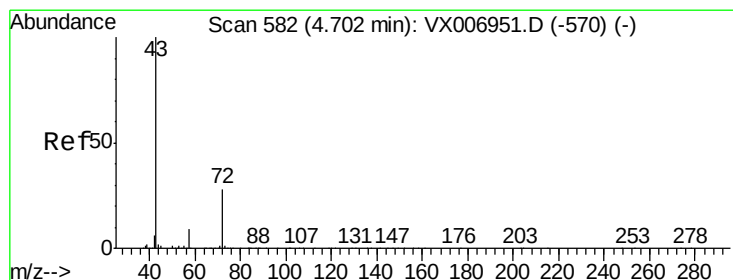
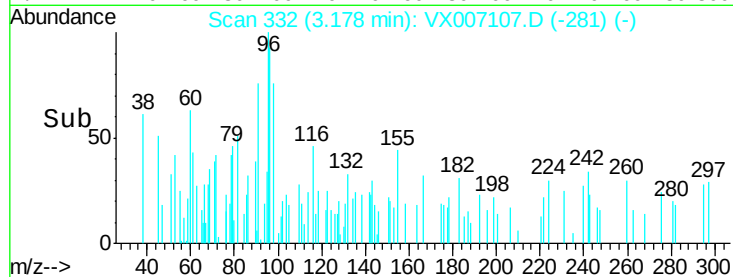
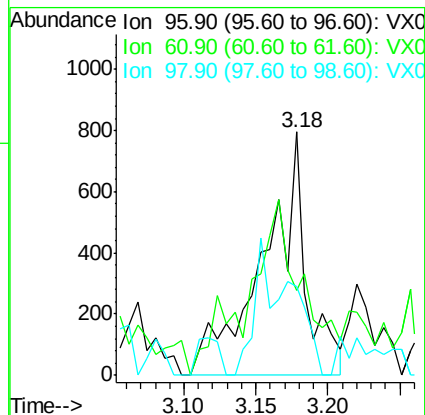
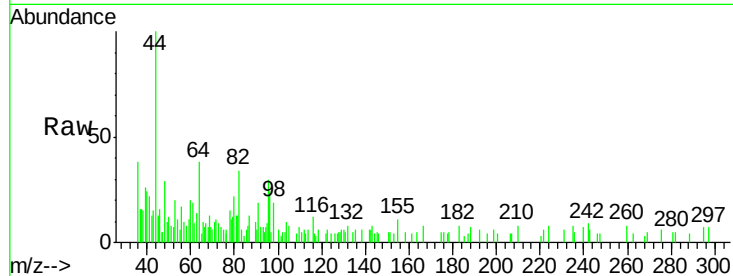
Tot Ion: 96 Resp: 1639

Ion Ratio Lower Upper

96 100

61 21.9 103.7 155.5#

98 36.3 51.0 76.6#



#25

2-Butanone

Concen: 2.459 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007107.D

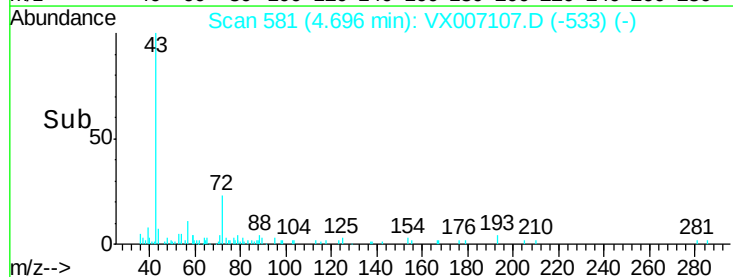
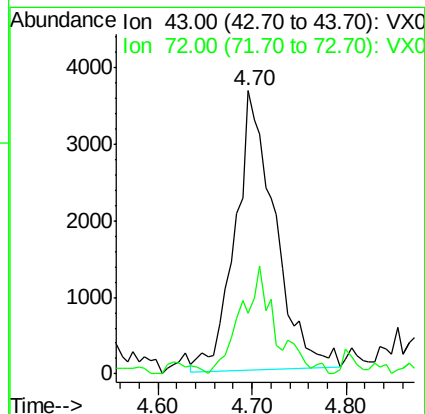
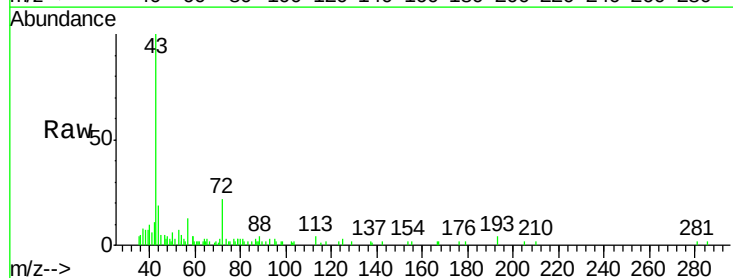
Acq: 18 Jan 2019 00:15

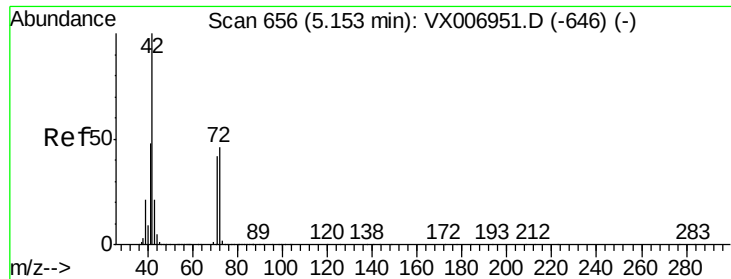
Tgt Ion: 43 Resp: 10742

Ion Ratio Lower Upper

43 100

72 20.4 22.4 33.6#





#29

Tetrahydrofuran

Concen: 0.434 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

RBR200044-RBR200027

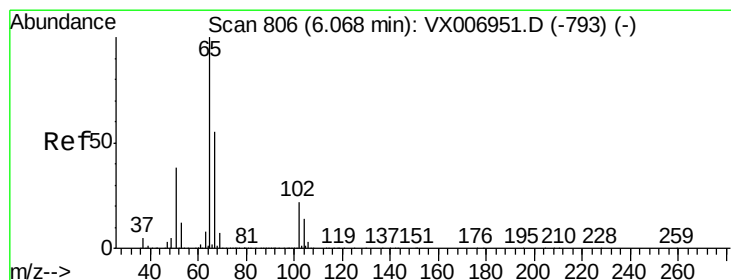
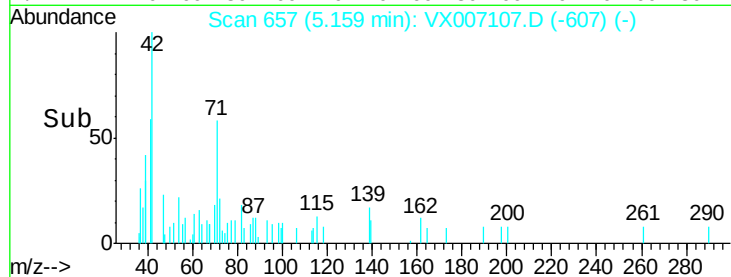
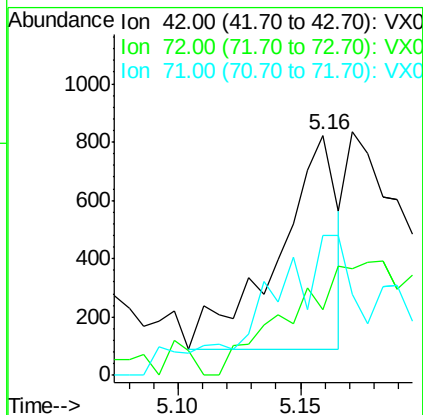
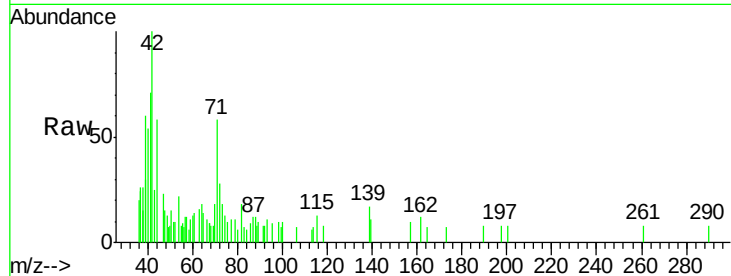
Tot Ion: 42 Resp: 1231

Ion Ratio Lower Upper

42 100

72 0.0 38.9 58.3#

71 98.4 36.2 54.4#



#33

1,2-Dichloroethane-d4

Concen: 49.912 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007107.D

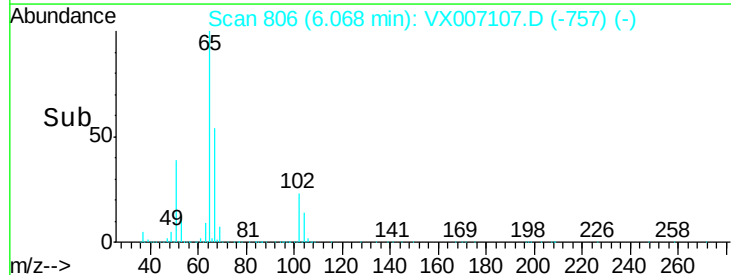
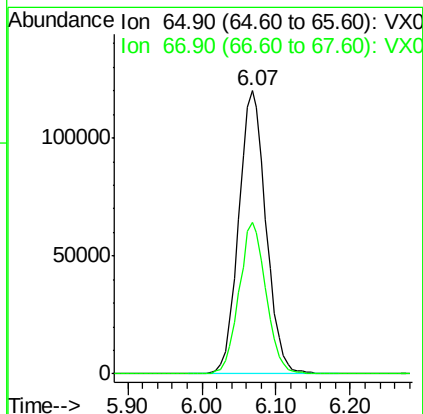
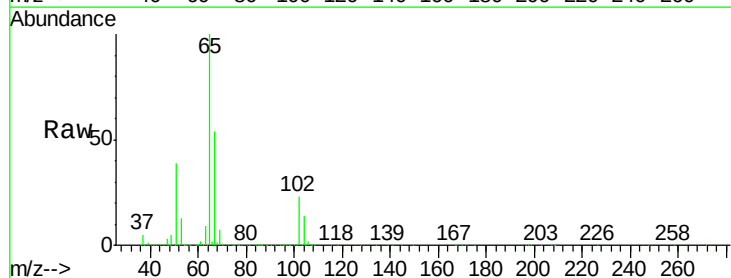
Acq: 18 Jan 2019 00:15

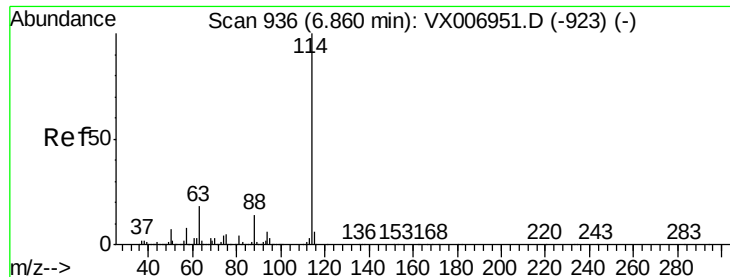
Tgt Ion: 65 Resp: 308279

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

RBR200044-RBR200027

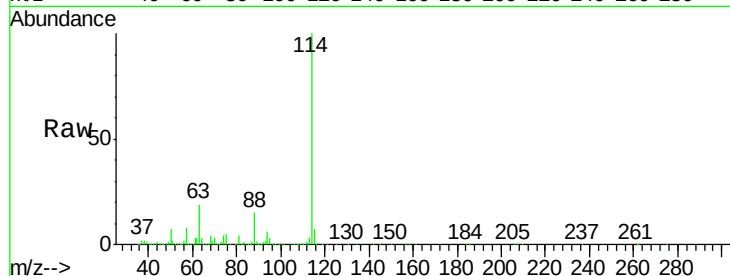
Tot Ion:114 Resp: 900331

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.8

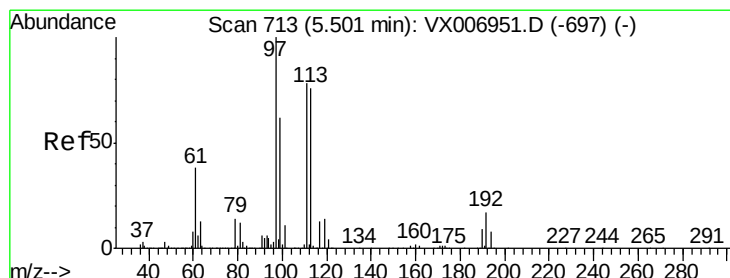
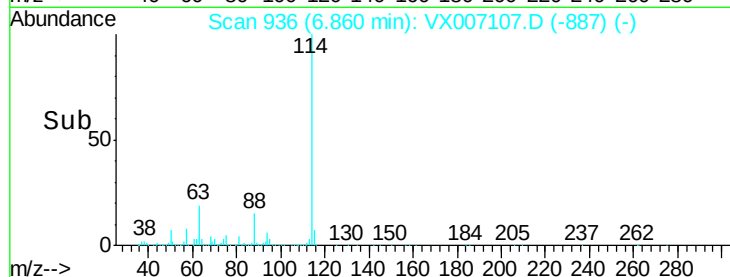
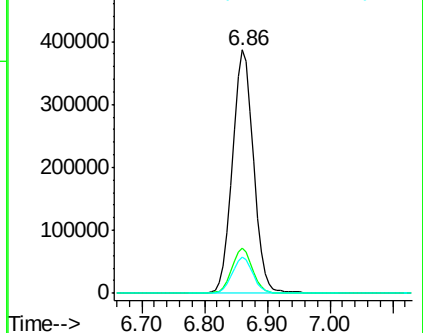
88 15.1 0.0 28.8



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: 47.945 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

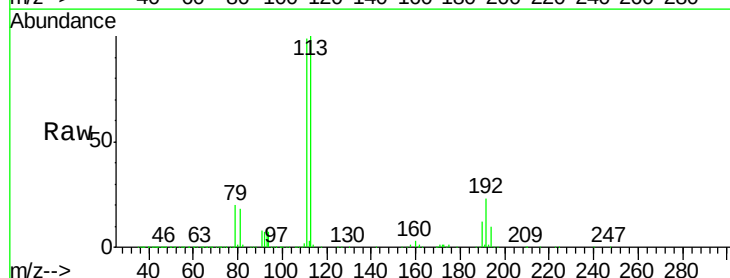
Tgt Ion:113 Resp: 276437

Ion Ratio Lower Upper

113 100

111 101.5 81.6 122.4

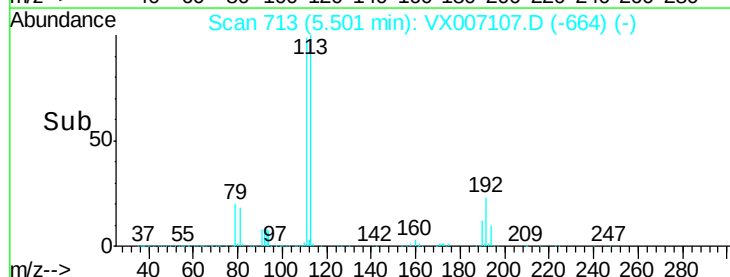
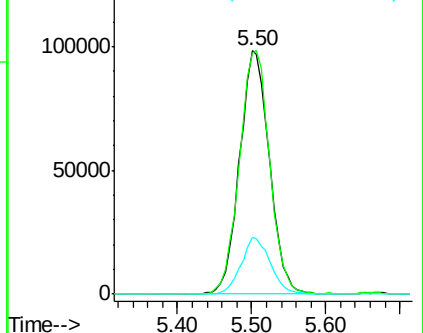
192 22.8 16.7 25.1

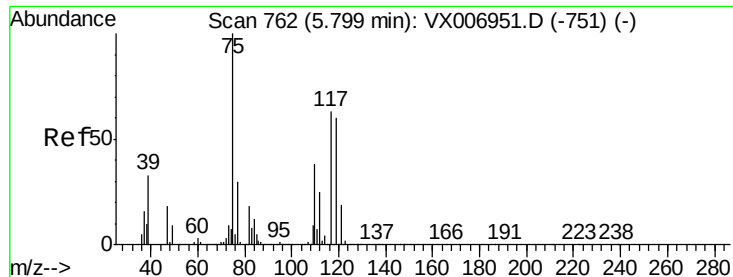


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.917 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

RBR200044-RBR200027

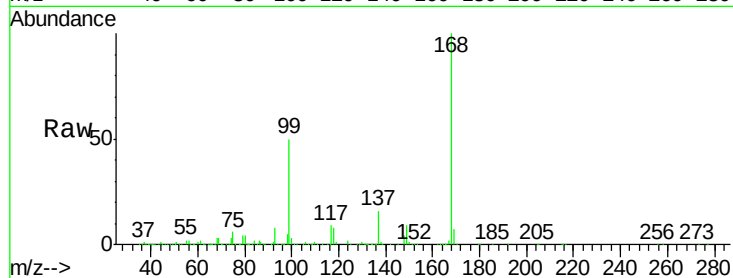
Tot Ion: 75 Resp: 38490

Ion Ratio Lower Upper

75 100

110 10.1 20.2 60.5#

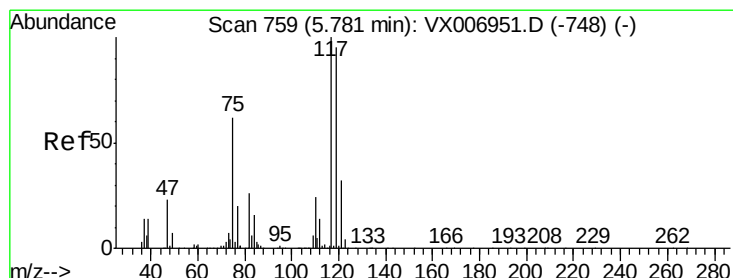
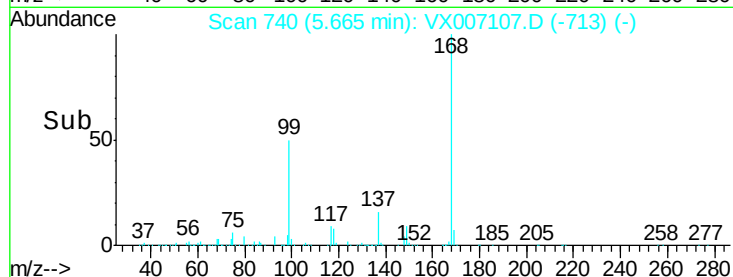
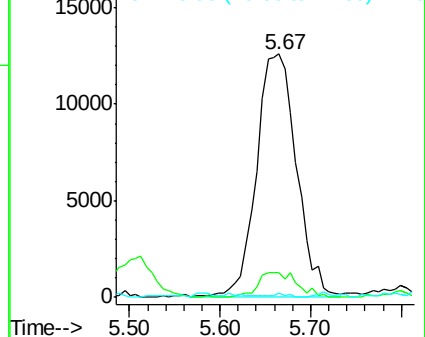
77 0.5 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.550 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

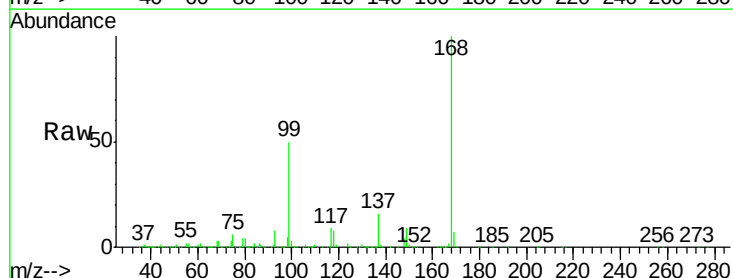
Tgt Ion:117 Resp: 51583

Ion Ratio Lower Upper

117 100

119 6.1 79.4 119.2#

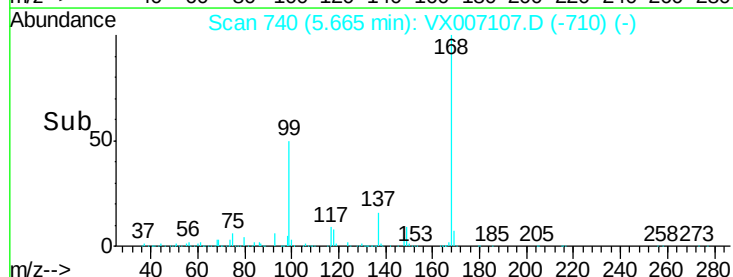
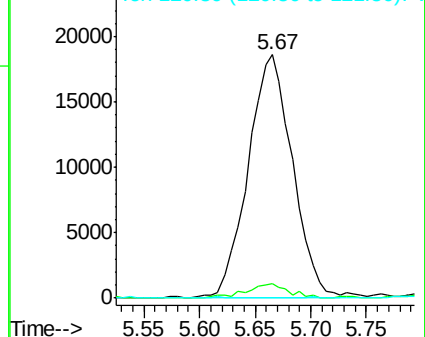
121 0.0 24.0 36.0#

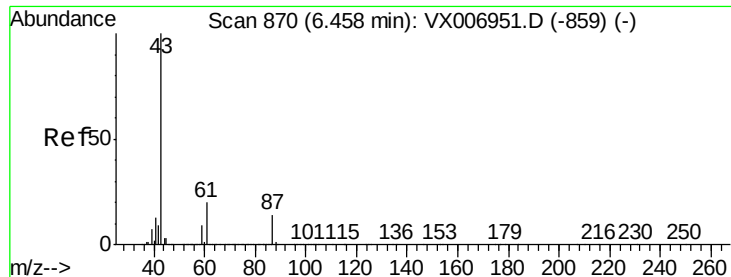


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 2.581 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

RBR200044-RBR200027

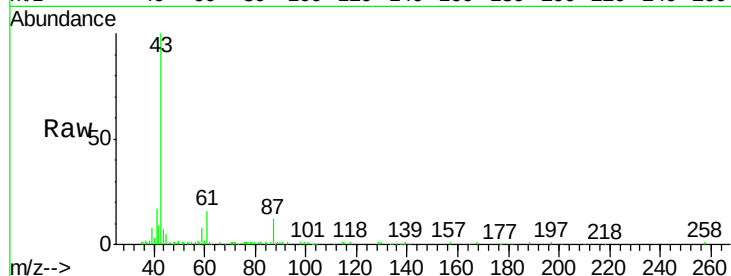
Tot Ion: 43 Resp: 34169

Ion Ratio Lower Upper

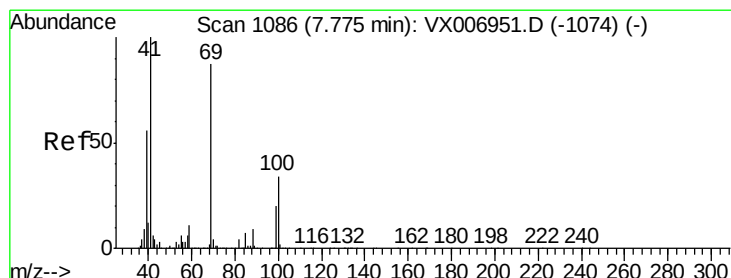
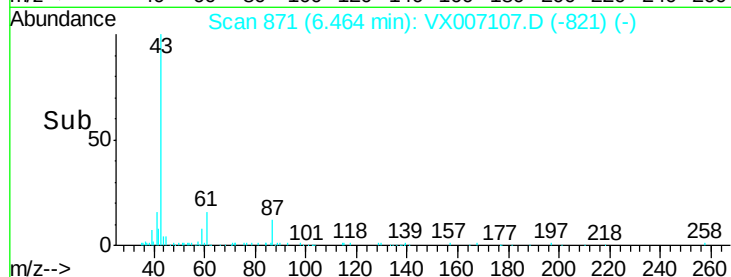
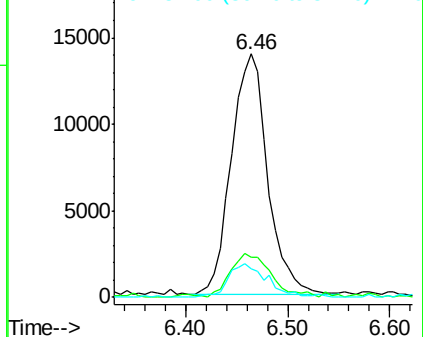
43 100

61 20.5 16.8 25.2

87 15.5 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 2.997 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

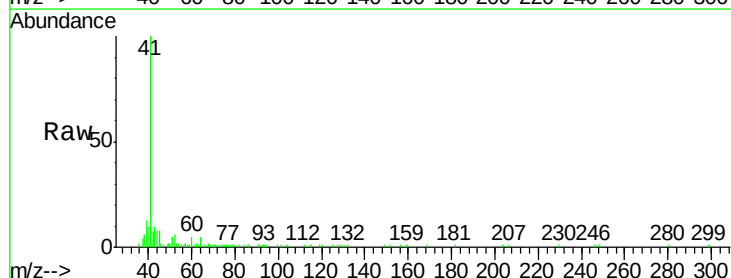
Tgt Ion: 41 Resp: 20371

Ion Ratio Lower Upper

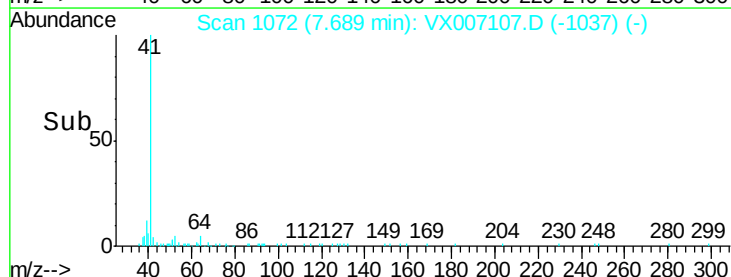
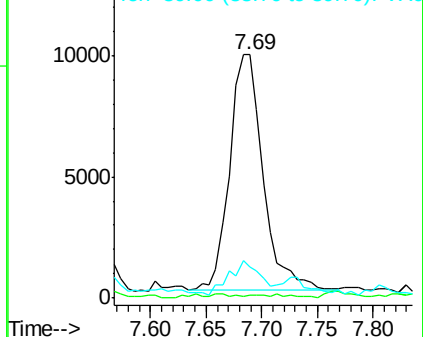
41 100

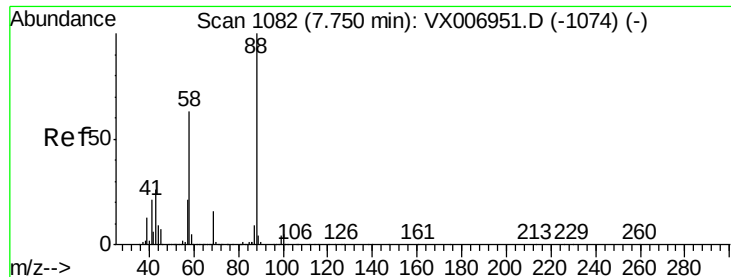
69 0.6 72.4 108.6#

39 0.0 45.8 68.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

RBR200044-RBR200027

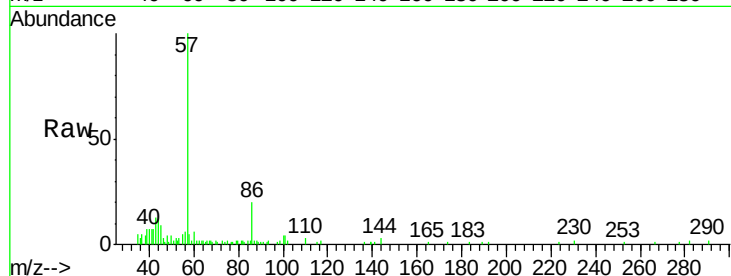
Tot Ion: 88 Resp: 263

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

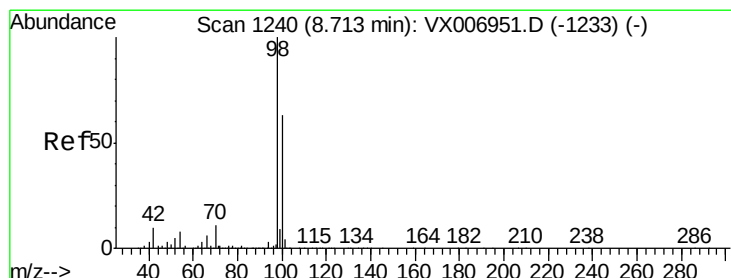
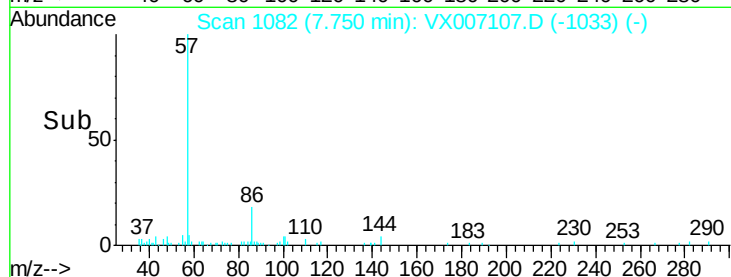
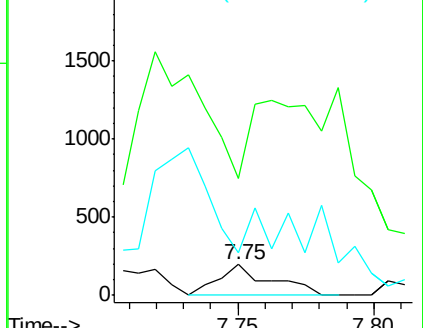
58 0.0 51.0 76.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.731 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007107.D

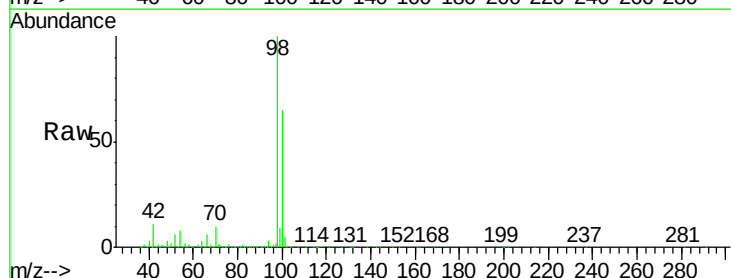
Acq: 18 Jan 2019 00:15

Tgt Ion: 98 Resp: 1091744

Ion Ratio Lower Upper

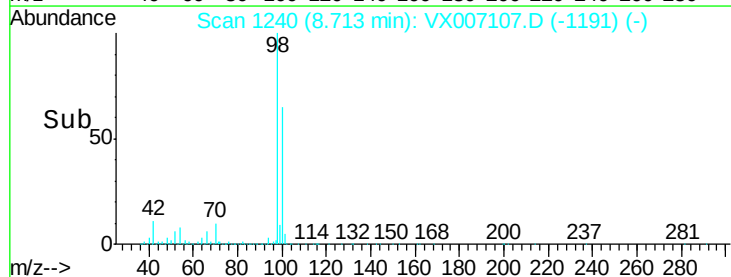
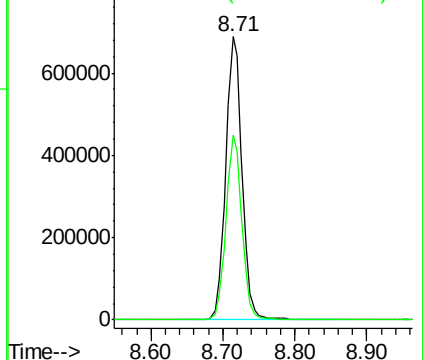
98 100

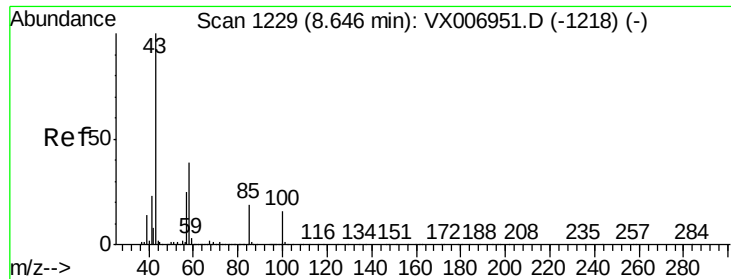
100 63.8 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 20.558 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

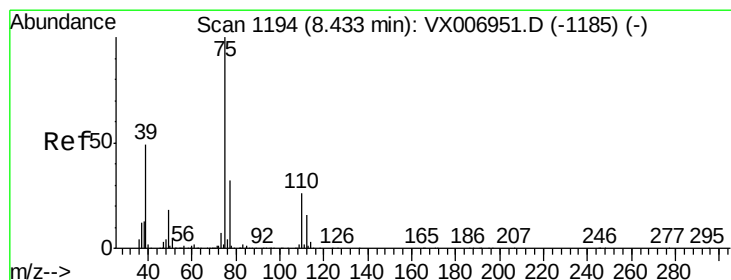
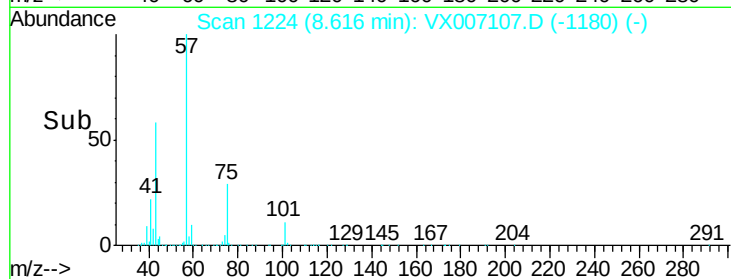
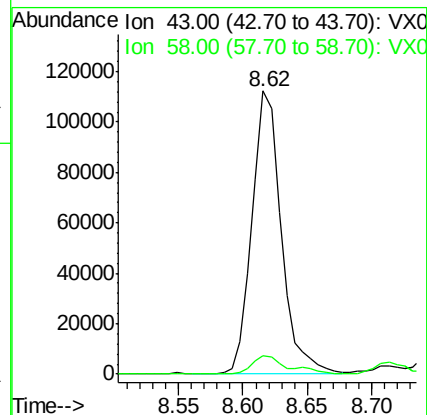
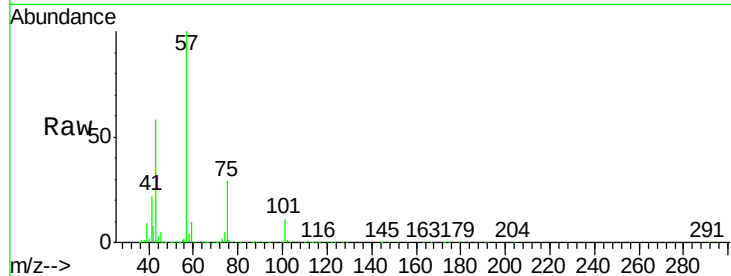
RBR200044-RBR200027

Tot Ion: 43 Resp: 174884

Ion Ratio Lower Upper

43 100

58 7.9 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 9.884 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

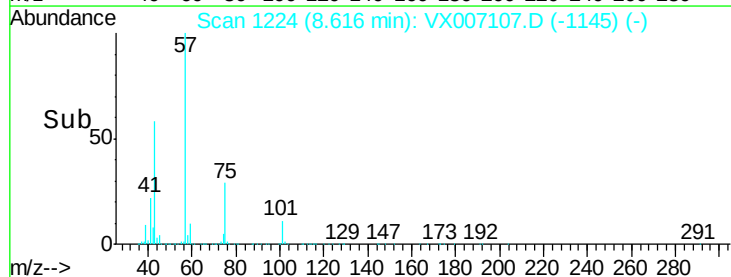
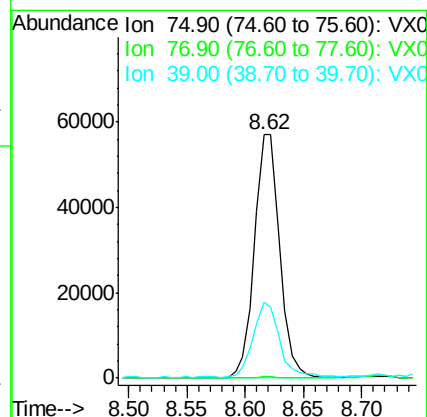
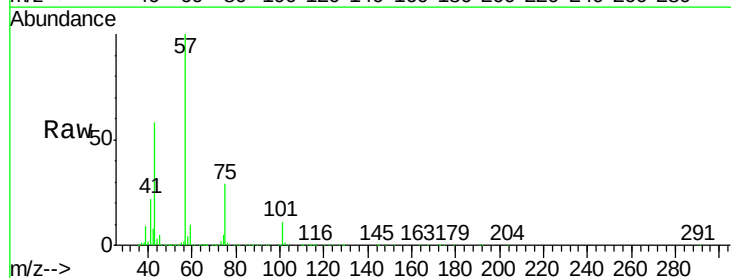
Tgt Ion: 75 Resp: 86943

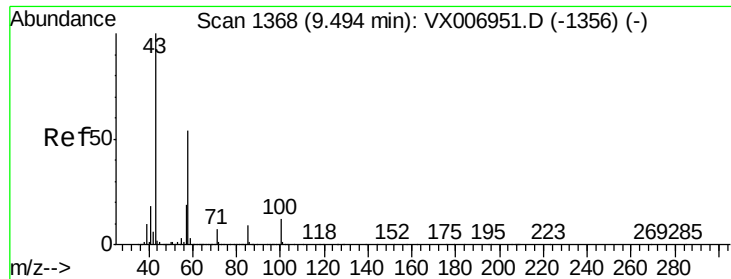
Ion Ratio Lower Upper

75 100

77 0.7 26.2 39.2#

39 31.1 36.7 55.1#





#59

2-Hexanone

Concen: 35.713 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

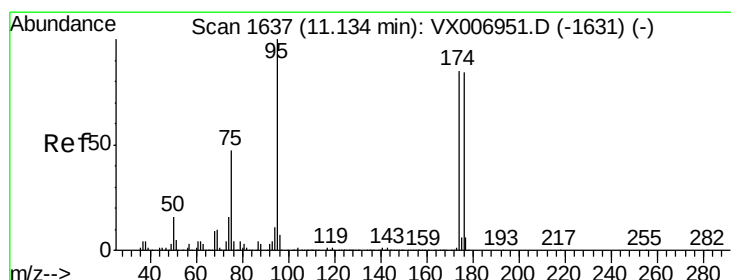
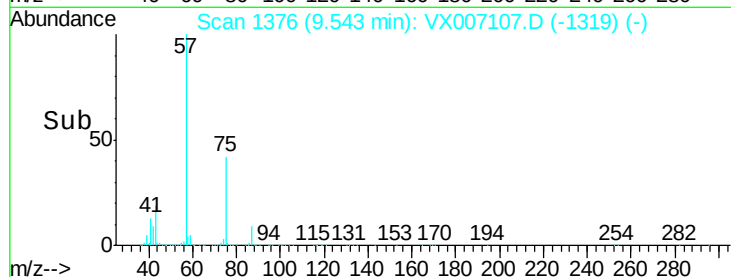
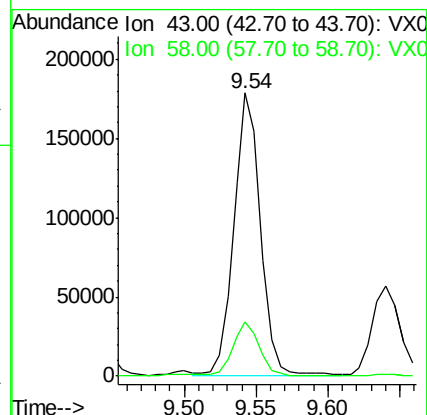
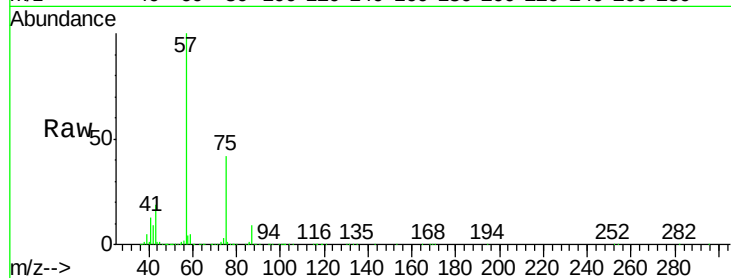
RBR200044-RBR200027

Tot Ion: 43 Resp: 231520

Ion Ratio Lower Upper

43 100

58 19.1 27.7 83.1#



#62

4-Bromofluorobenzene

Concen: 51.519 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

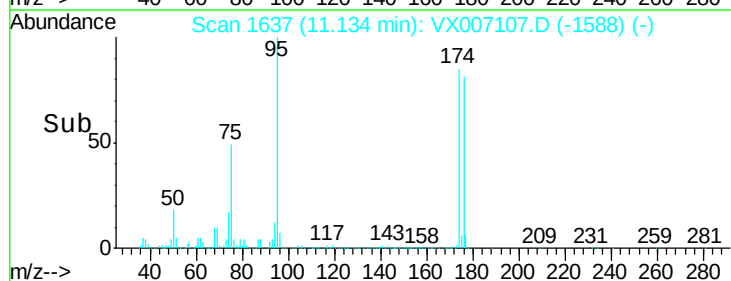
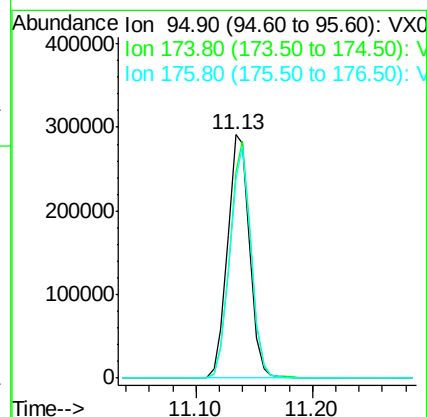
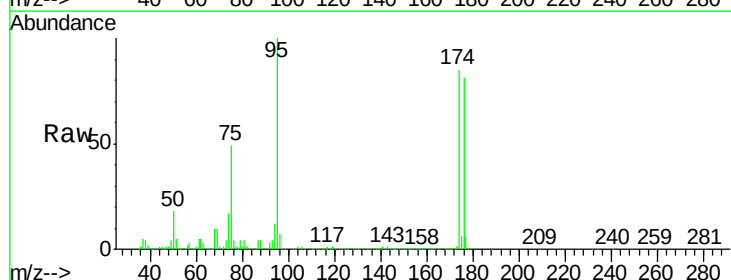
Tgt Ion: 95 Resp: 379044

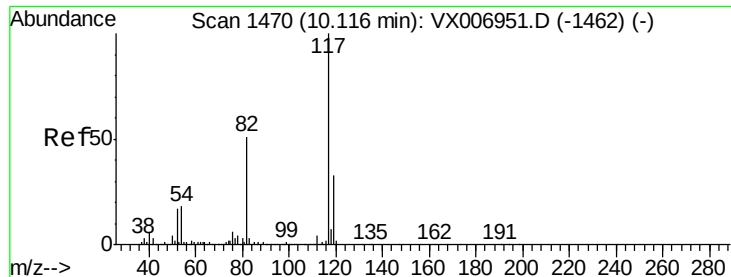
Ion Ratio Lower Upper

95 100

174 93.5 0.0 182.2

176 91.2 0.0 178.8

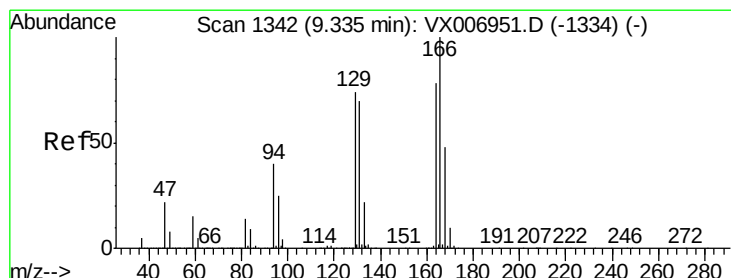
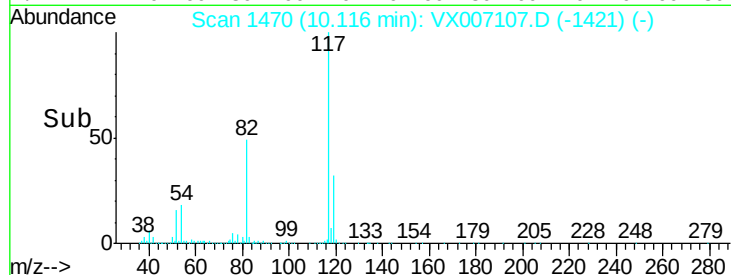
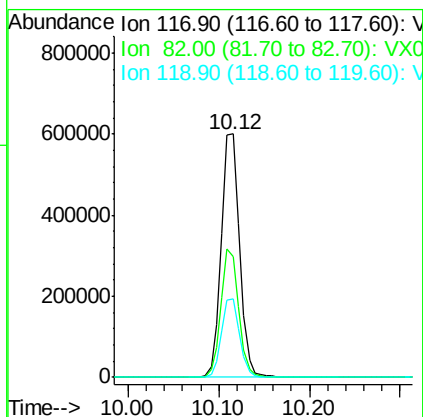
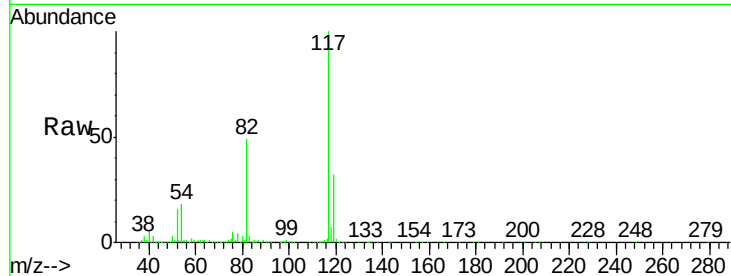




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007107.D
Acq: 18 Jan 2019 00:15

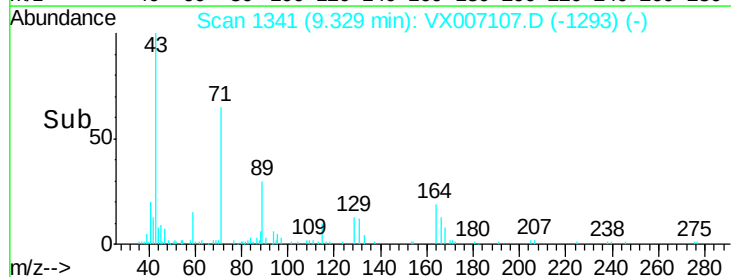
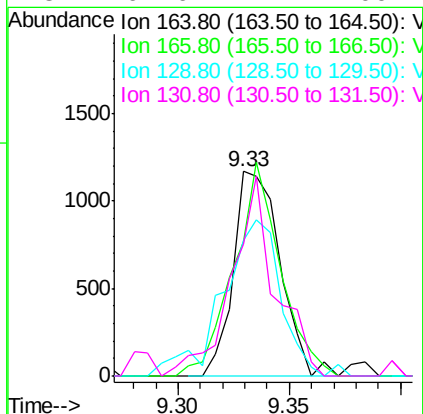
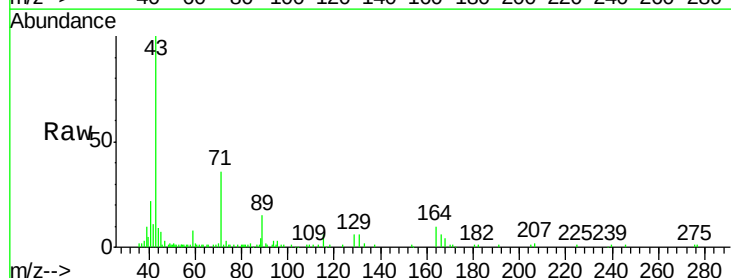
Instrument :
MSVOA_X
ClientSampleId :
RBR200044-RBR200027

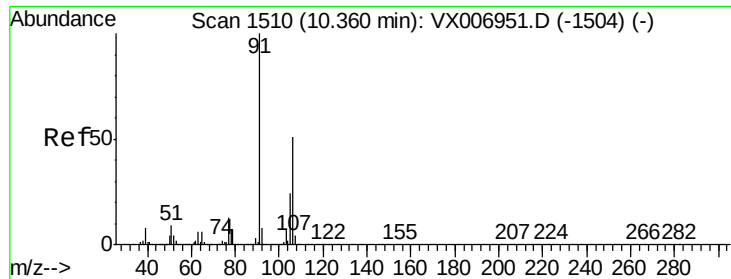
Tot Ion:117 Resp: 850207
Ion Ratio Lower Upper
117 100
82 49.5 41.0 61.6
119 32.3 25.4 38.0



#64
Tetrachloroethene
Concen: 0.233 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX007107.D
Acq: 18 Jan 2019 00:15

Tgt Ion:164 Resp: 1712
Ion Ratio Lower Upper
164 100
166 65.8 102.5 153.7#
129 60.4 75.1 112.7#
131 64.6 72.7 109.1#

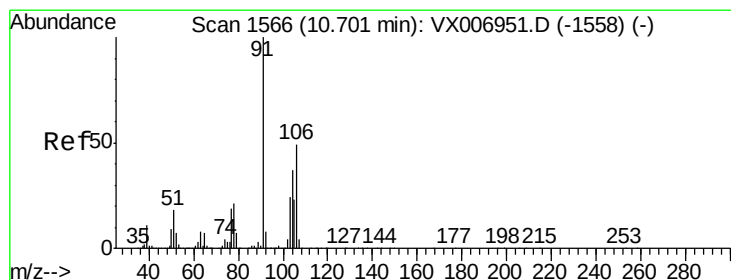
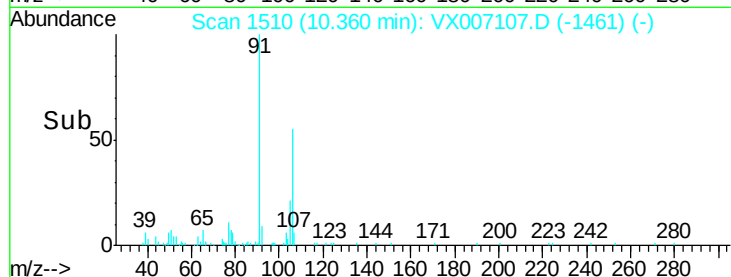
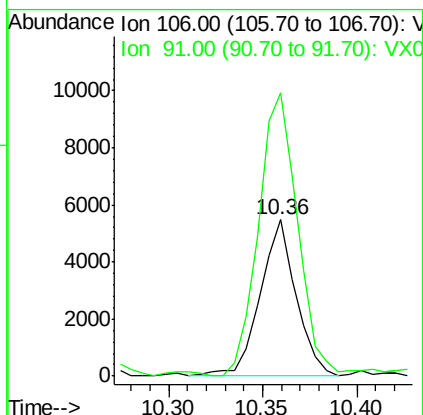
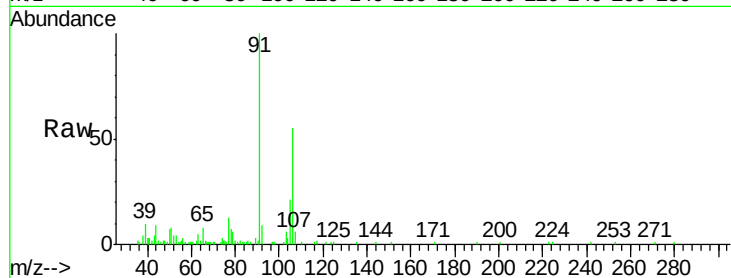




#68
m/p-Xylenes
Concen: 0.600 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007107.D
Acq: 18 Jan 2019 00:15

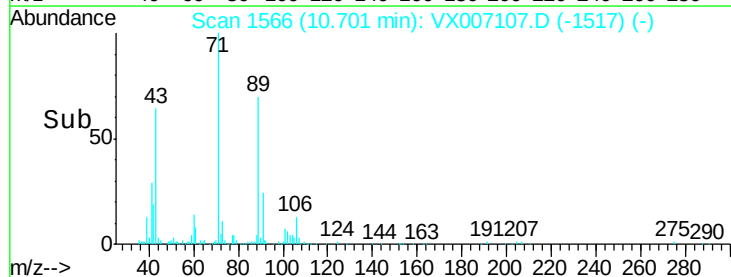
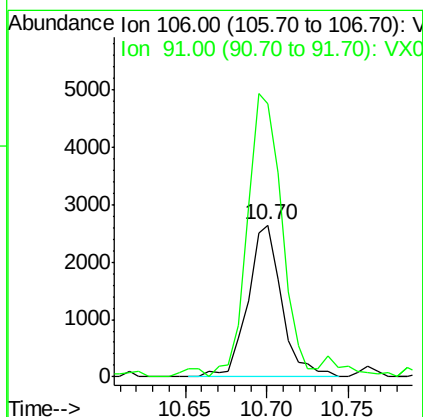
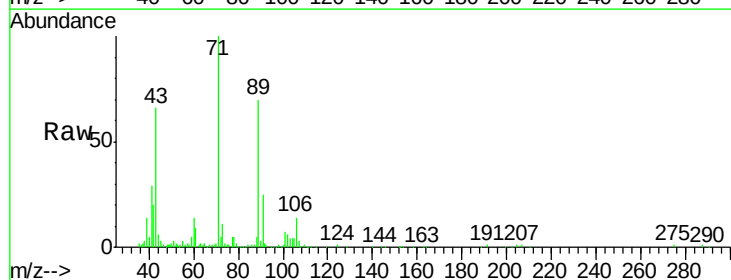
Instrument :
MSVOA_X
ClientSampleId :
RBR200044-RBR200027

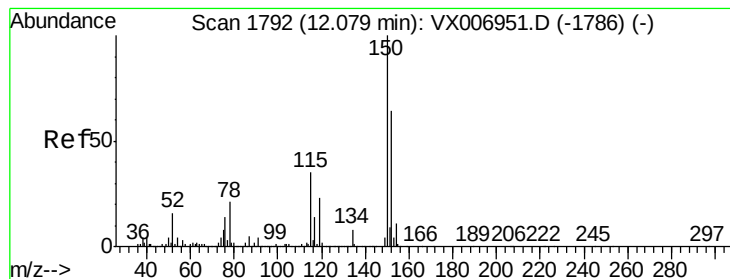
Tot Ion:106 Resp: 7239
Ion Ratio Lower Upper
106 100
91 197.8 155.8 233.6



#69
o-Xylene
Concen: 0.324 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007107.D
Acq: 18 Jan 2019 00:15

Tgt Ion:106 Resp: 3816
Ion Ratio Lower Upper
106 100
91 189.7 101.3 303.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

RBR200044-RBR200027

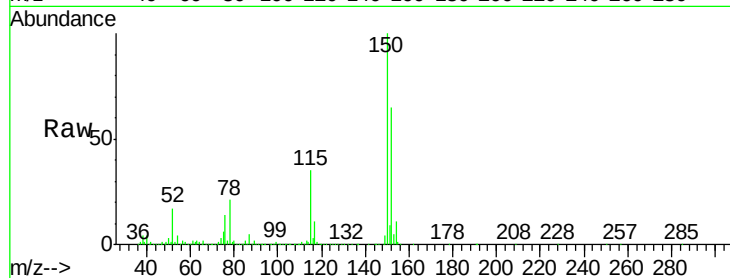
Tot Ion:152 Resp: 405232

Ion Ratio Lower Upper

152 100

115 53.7 39.1 117.2

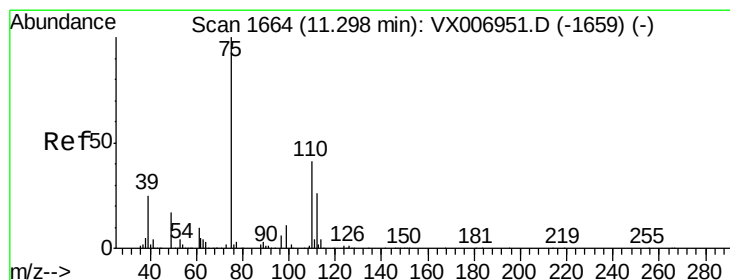
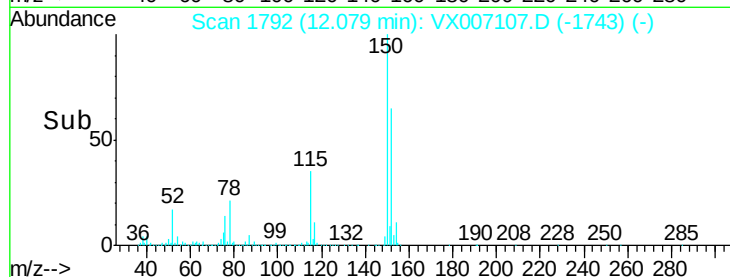
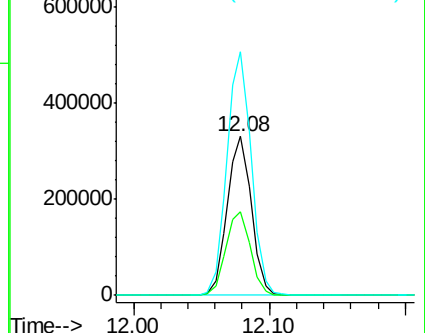
150 154.4 0.0 344.8



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



#76

1,2,3-Trichloropropane

Concen: 22.430 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007107.D

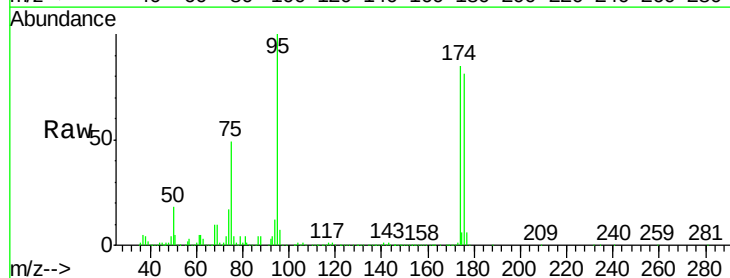
Acq: 18 Jan 2019 00:15

Tgt Ion: 75 Resp: 184189

Ion Ratio Lower Upper

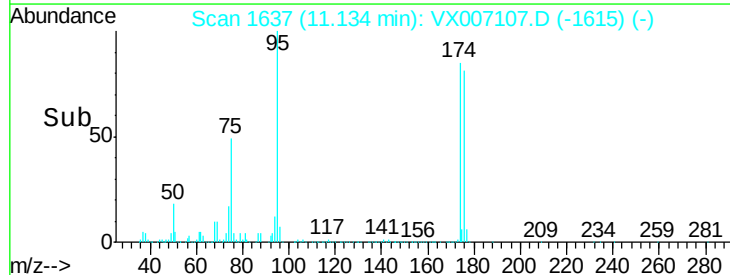
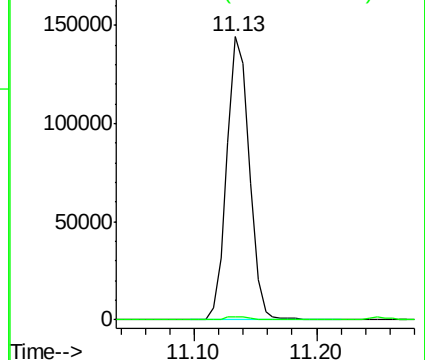
75 100

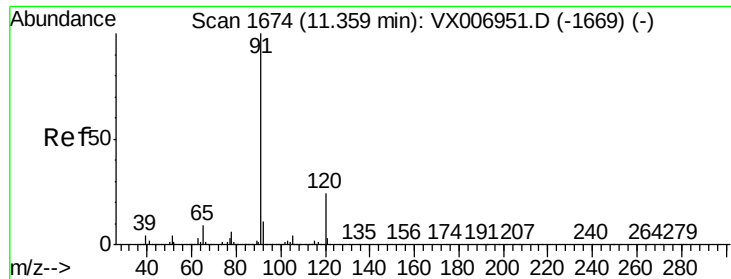
77 1.4 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.209 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

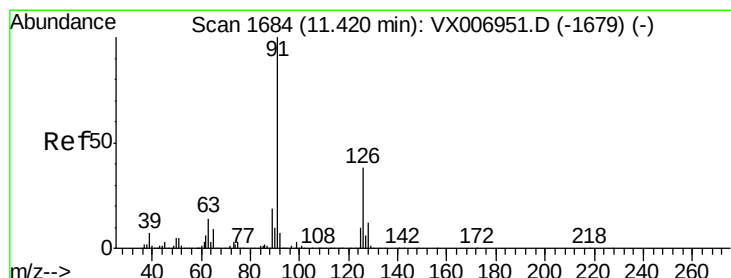
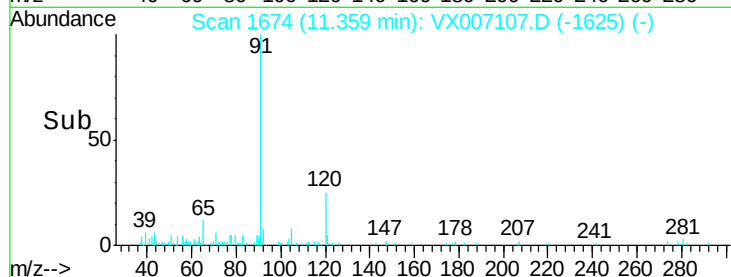
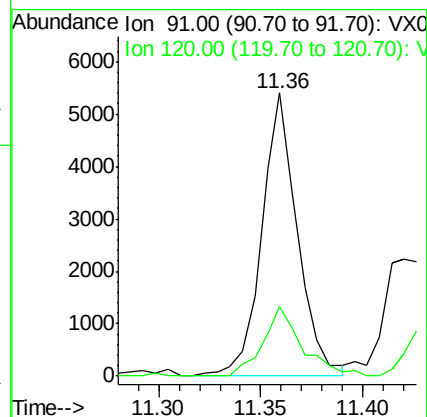
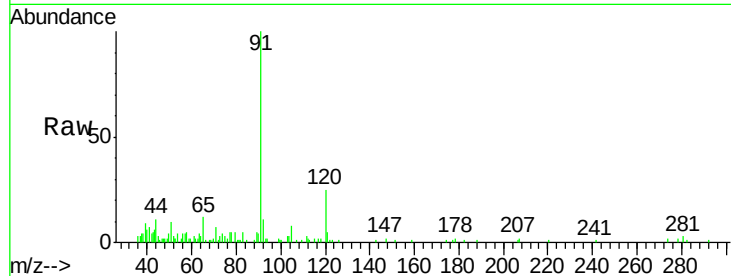
RBR200044-RBR200027

Tot Ion: 91 Resp: 6560

Ion Ratio Lower Upper

91 100

120 27.0 12.7 38.0



#79

2-Chlorotoluene

Concen: 0.236 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007107.D

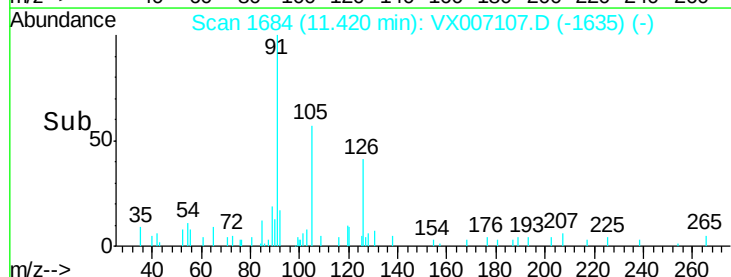
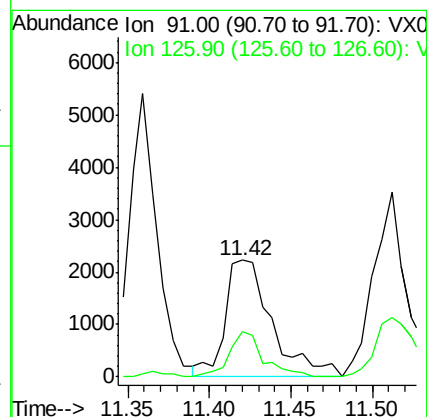
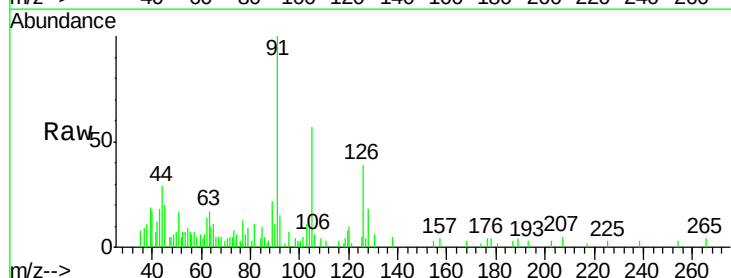
Acq: 18 Jan 2019 00:15

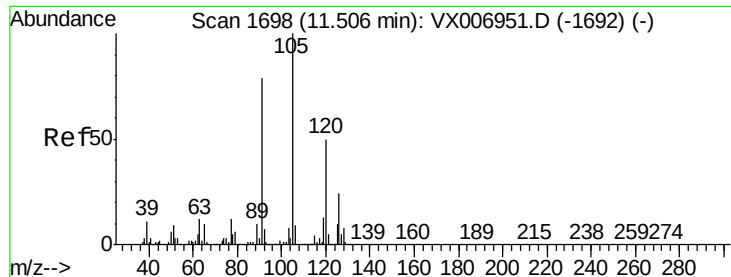
Tgt Ion: 91 Resp: 4451

Ion Ratio Lower Upper

91 100

126 28.4 18.6 56.0





#80

1,3,5-Trimethylbenzene

Concen: 0.330 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

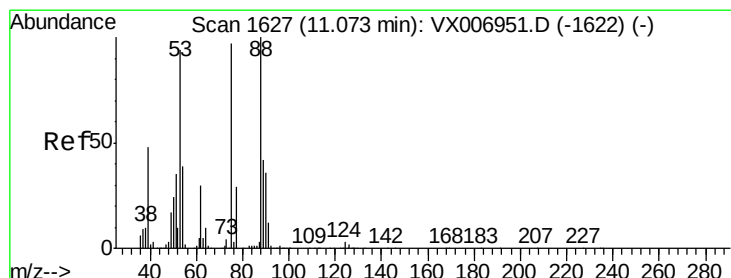
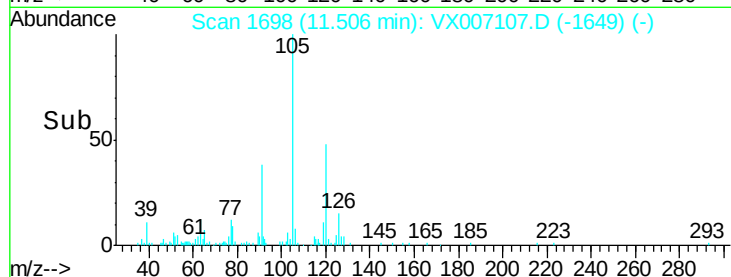
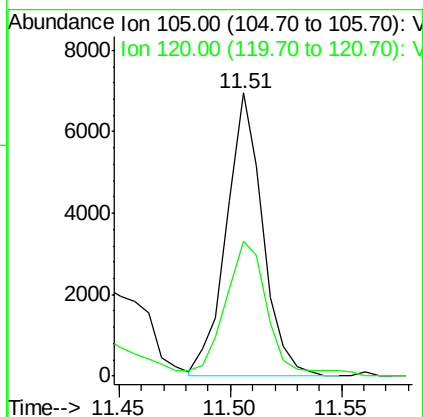
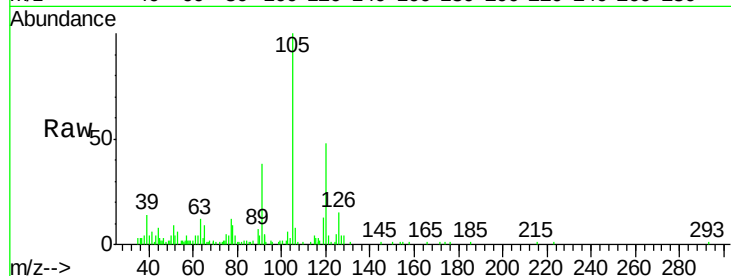
RBR200044-RBR200027

Tot Ion:105 Resp: 7879

Ion Ratio Lower Upper

105 100

120 56.3 25.1 75.3



#81

trans-1,4-Dichloro-2-butene

Concen: 66.351 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

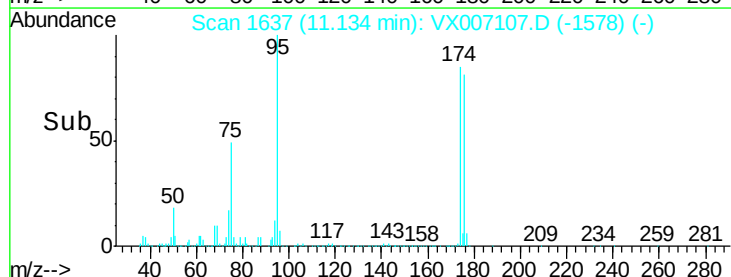
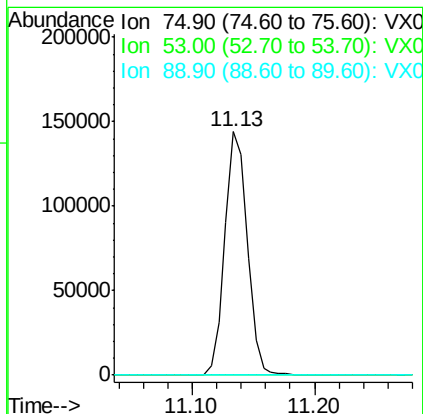
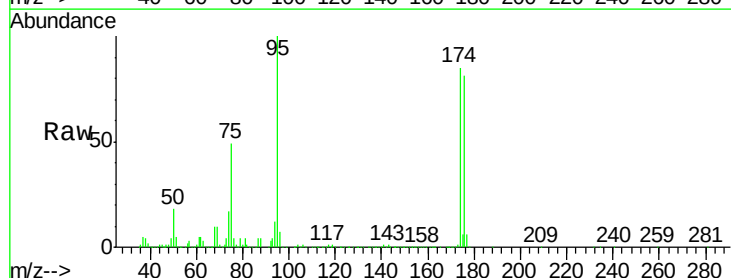
Tgt Ion: 75 Resp: 184189

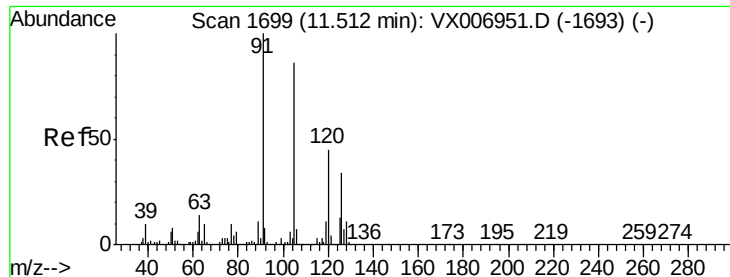
Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.1 38.0 57.0#





#82

4-Chlorotoluene

Concen: 0.232 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

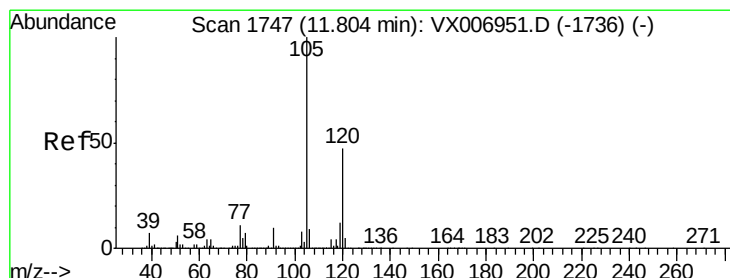
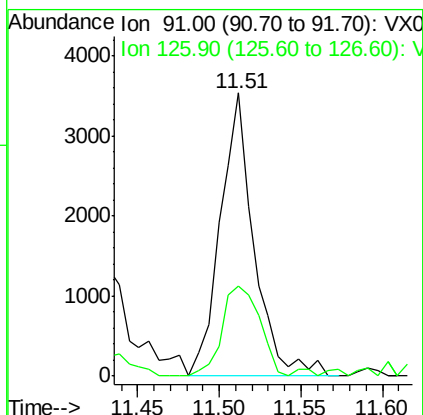
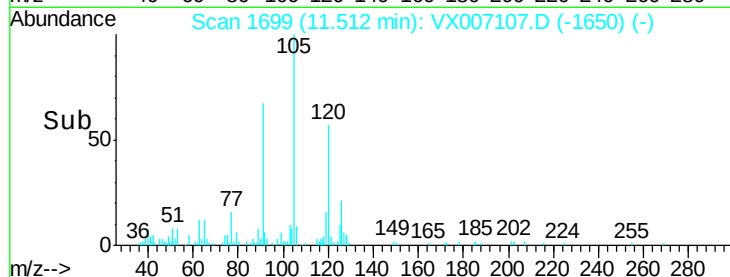
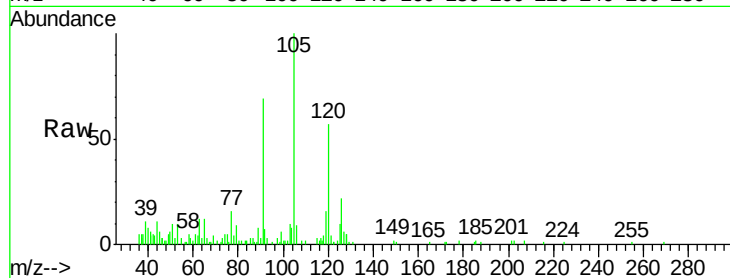
RBR200044-RBR200027

Tot Ion: 91 Resp: 5079

Ion Ratio Lower Upper

91 100

126 35.7 16.3 48.9



#84

1,2,4-Trimethylbenzene

Concen: 0.677 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007107.D

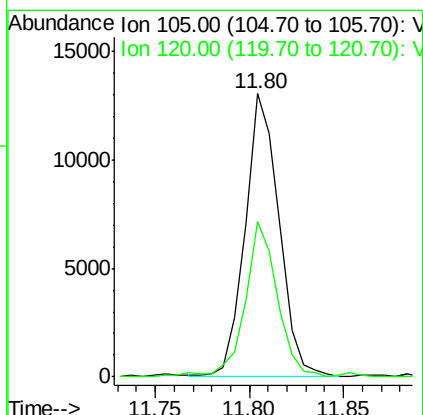
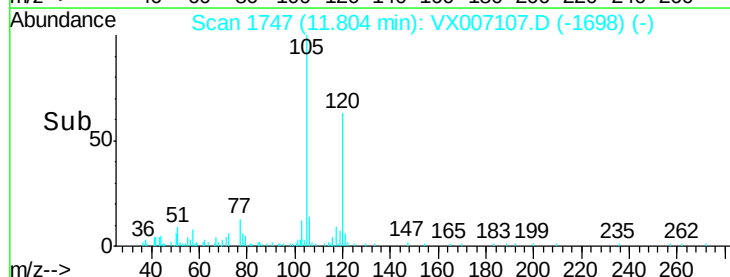
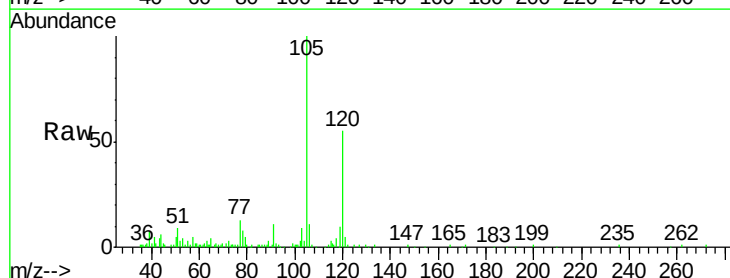
Acq: 18 Jan 2019 00:15

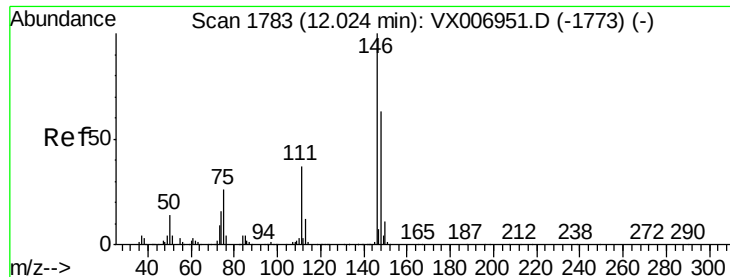
Tgt Ion: 105 Resp: 16262

Ion Ratio Lower Upper

105 100

120 52.3 23.2 69.6

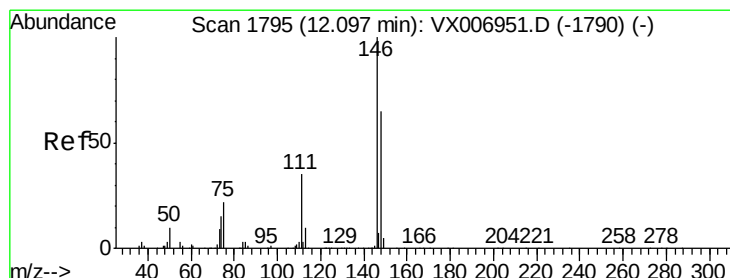
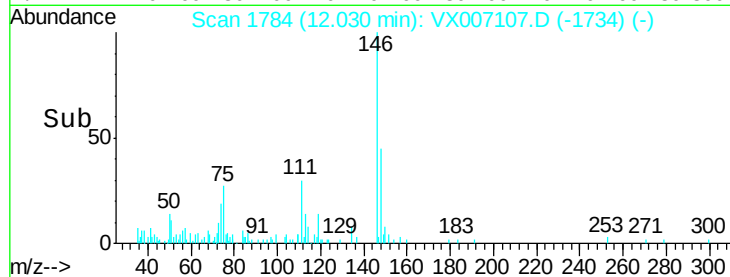
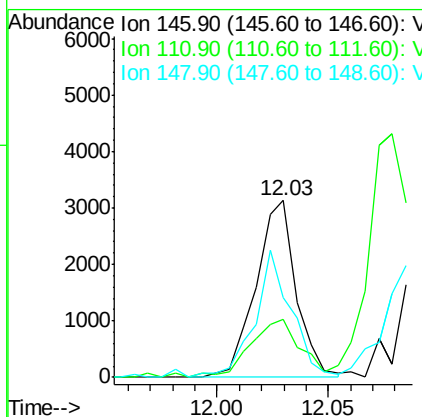
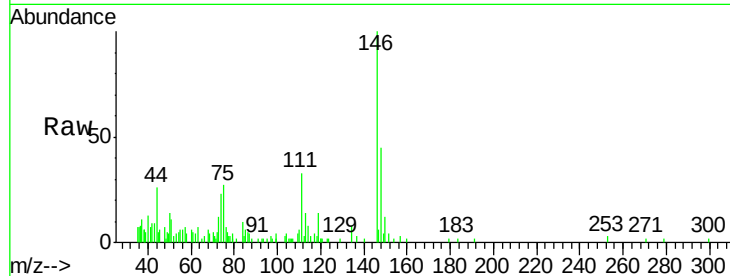




#87
 1,3-Dichlorobenzene
 Concen: 0.278 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX007107.D
 Acq: 18 Jan 2019 00:15

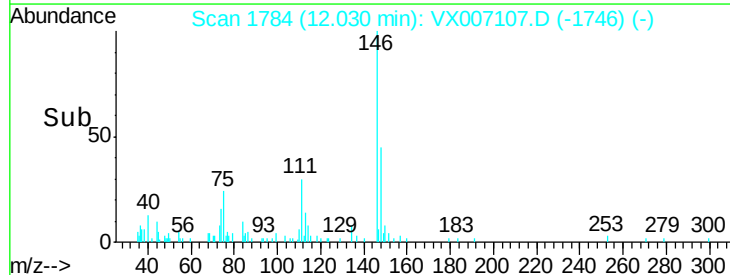
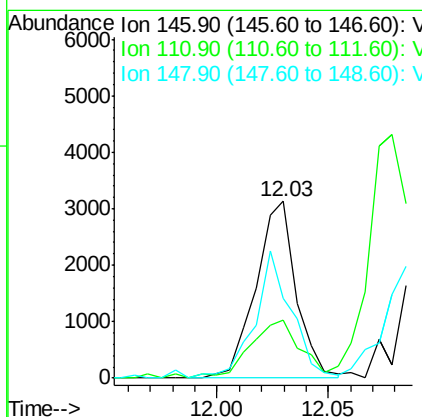
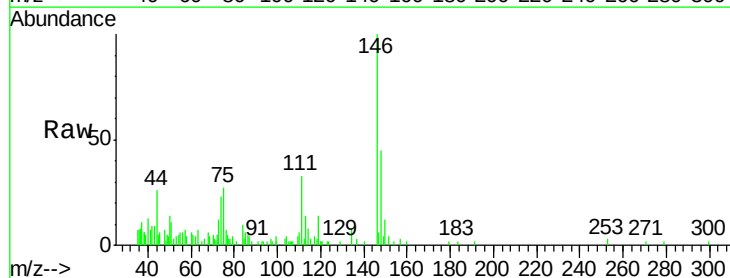
Instrument :
 MSVOA_X
 ClientSampleId :
 RBR200044-RBR200027

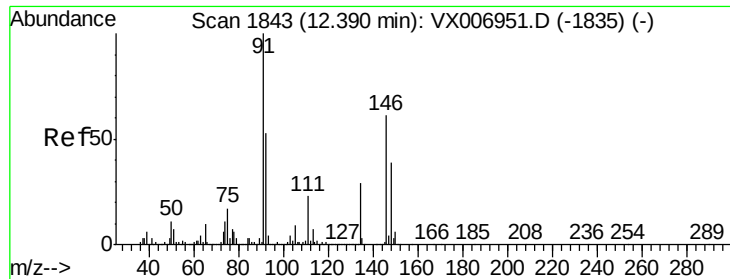
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.6	55.8
148	64.9	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 0.438 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.07 min
 Lab File: VX007107.D
 Acq: 18 Jan 2019 00:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.1	54.1
148	64.9	31.9	95.9

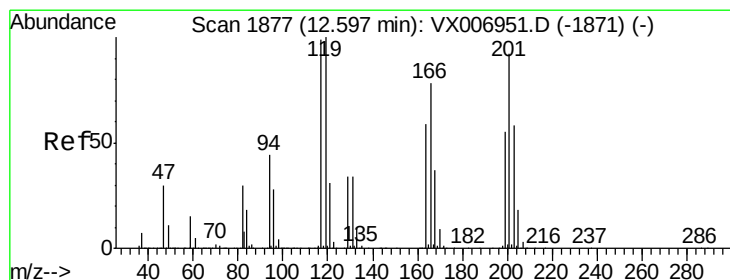
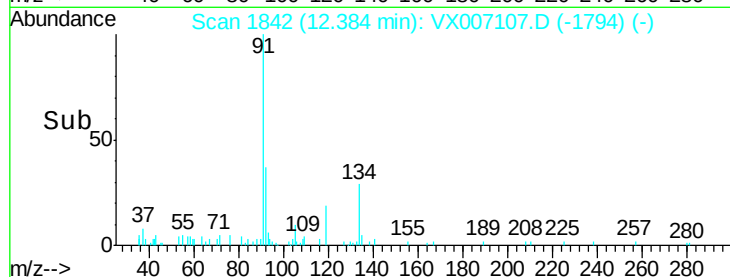
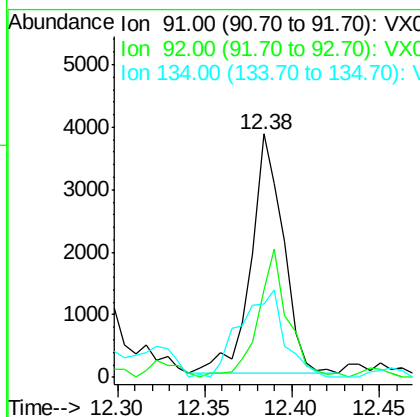
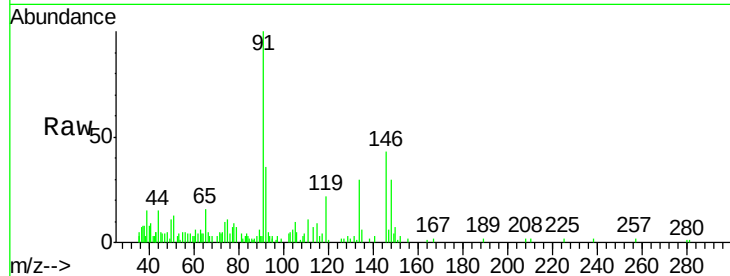




#89
n-Butylbenzene
Concen: 0.223 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX007107.D
Acq: 18 Jan 2019 00:15

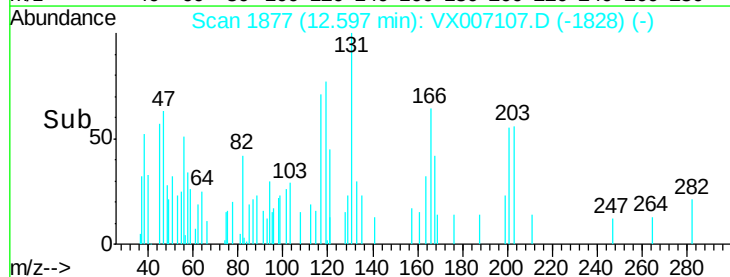
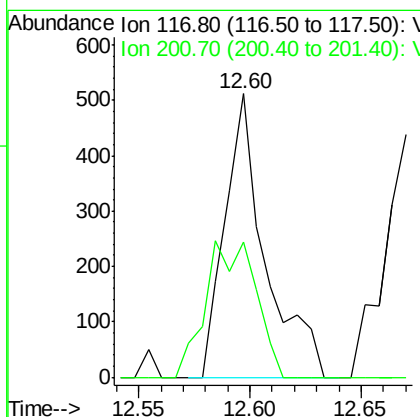
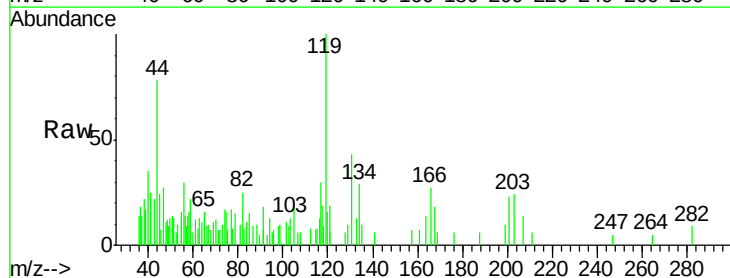
Instrument :
MSVOA_X
ClientSampleId :
RBR200044-RBR200027

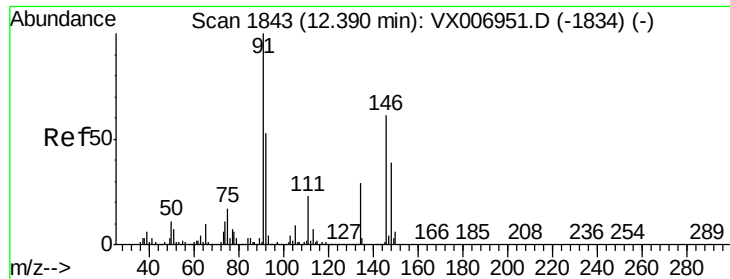
Tot Ion: 91 Resp: 4838
Ion Ratio Lower Upper
91 100
92 50.2 26.8 80.4
134 50.7 14.4 43.2#



#90
Hexachloroethane
Concen: 3.057 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007107.D
Acq: 18 Jan 2019 00:15

Tgt Ion: 117 Resp: 642
Ion Ratio Lower Upper
117 100
201 60.1 42.9 128.7

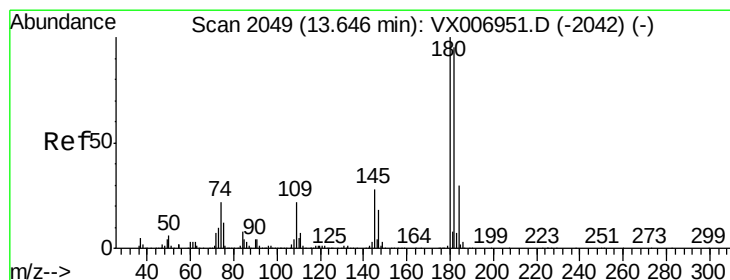
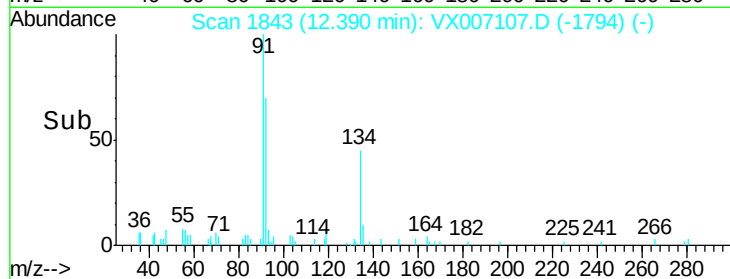
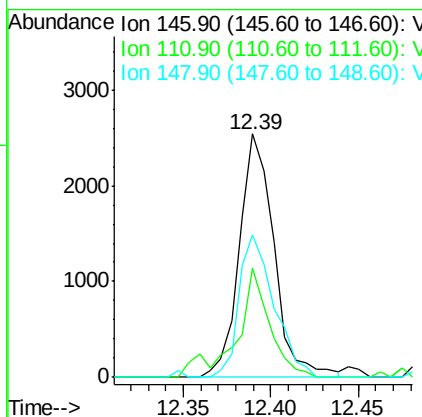
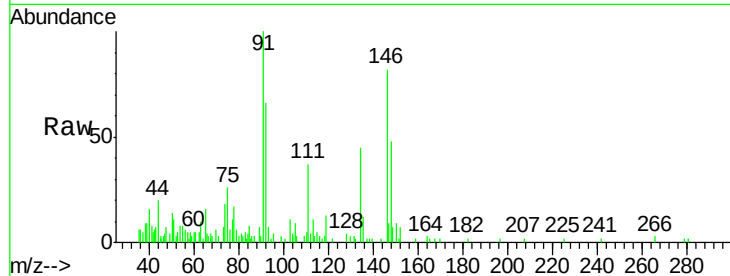




#91
 1,2-Dichlorobenzene
 Concen: 0.250 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007107.D
 Acq: 18 Jan 2019 00:15

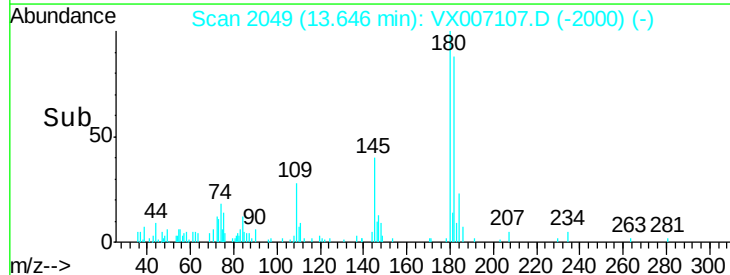
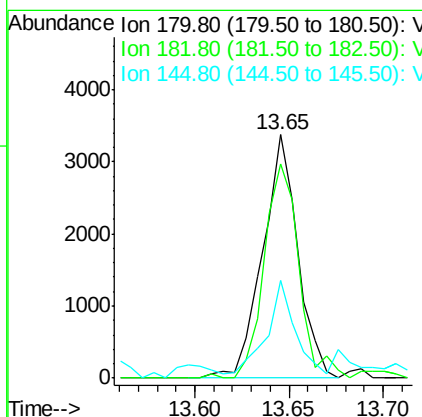
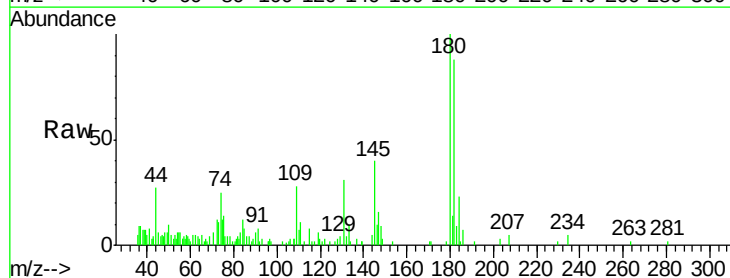
Instrument :
 MSVOA_X
 ClientSampleId :
 RBR200044-RBR200027

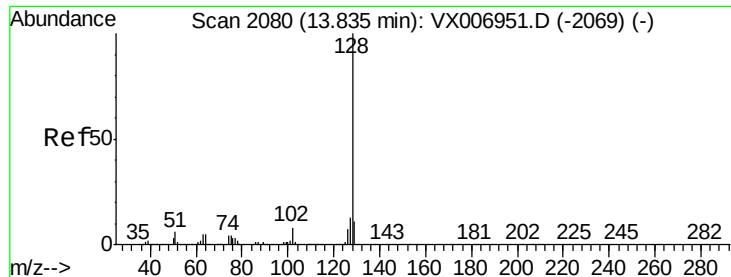
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.2
148	58.9	32.3	96.9



#93
 1,2,4-Trichlorobenzene
 Concen: 0.452 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007107.D
 Acq: 18 Jan 2019 00:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.1	47.3	142.0
145	34.4	14.8	44.3





#95

Naphthalene

Concen: 1.693 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

Instrument :

MSVOA_X

ClientSampleId :

RBR200044-RBR200027

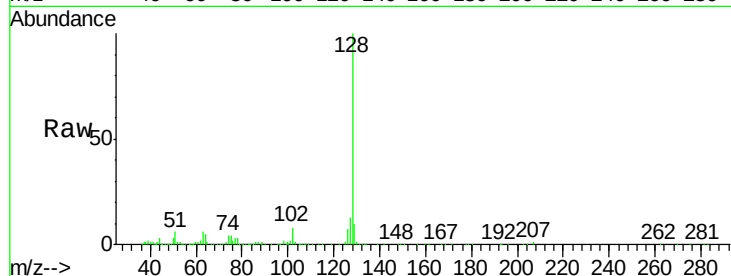
Tot Ion:128 Resp: 49441

Ion Ratio Lower Upper

128 100

127 14.2 10.1 15.1

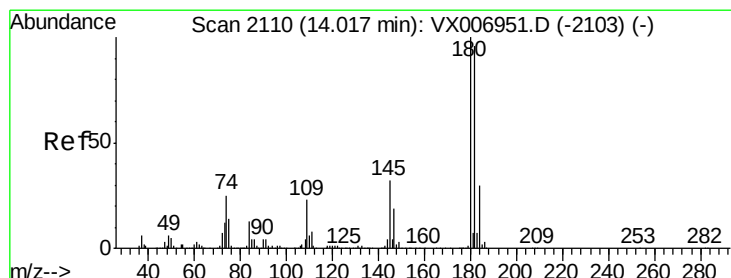
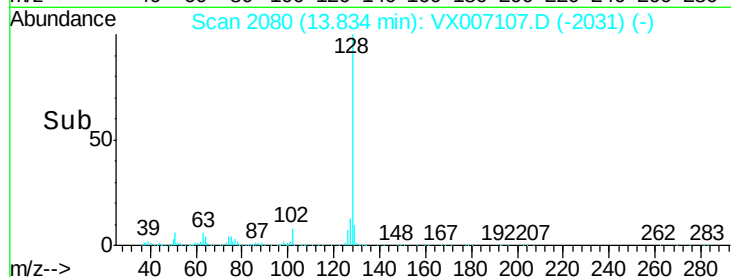
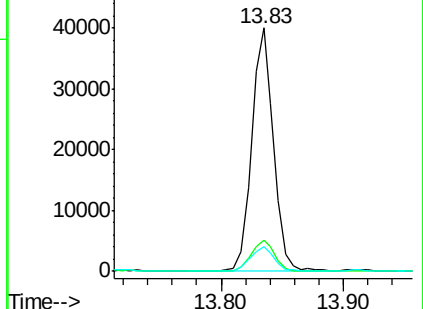
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.370 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007107.D

Acq: 18 Jan 2019 00:15

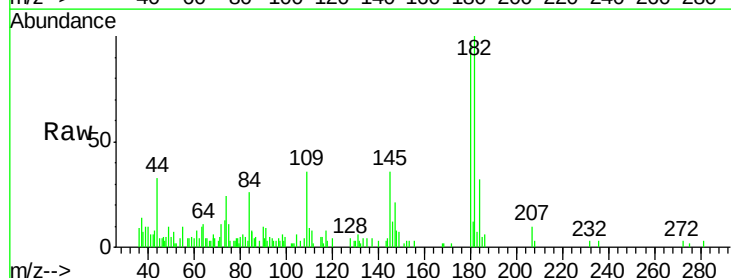
Tgt Ion:180 Resp: 3543

Ion Ratio Lower Upper

180 100

182 109.3 48.5 145.5

145 42.5 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

