

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020419\
 Data File : VX007361.D
 Acq On : 04 Feb 2019 16:03
 Operator : JC/SP
 Sample : K1360-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR-200034

Quant Time: Feb 04 23:59:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	484780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	757854	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	756693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	400515	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	270184	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	5.51	113	244296	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	8.71	98	942350	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
62) 4-Bromofluorobenzene	11.13	95	357121	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	311	Below Cal	#	54
8) Diethyl Ether	2.19	74	642	0.204	ug/l	96
11) Tert butyl alcohol	3.06	59	2298	2.158	ug/l #	88
13) Acrolein	2.30	56	104	0.208	ug/l #	14
14) Allyl chloride	2.85	41	42125	5.585	ug/l #	25
16) Acetone	2.45	43	29342	12.449	ug/l	92
17) Carbon Disulfide	2.56	76	1200	2.216	ug/l #	86
18) Methyl Acetate	2.78	43	26087	4.791	ug/l	98
20) Methylene Chloride	2.86	84	1207582	252.418	ug/l	97
25) 2-Butanone	4.71	43	12516	3.731	ug/l	94
29) Tetrahydrofuran	5.15	42	551	0.261	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	31033	4.564	ug/l #	50
38) Carbon Tetrachloride	5.67	117	43880	6.652	ug/l #	15
43) Isopropyl Acetate	6.46	43	27502	2.592	ug/l	98
48) Methyl methacrylate	7.68	41	13125	2.473	ug/l #	13
49) 1,4-Dioxane	7.76	88	81	7.545	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	136270	19.511	ug/l #	50
52) Toluene	8.78	92	7502	0.581	ug/l	94
54) cis-1,3-Dichloropropene	8.62	75	67686	9.269	ug/l #	62
57) 1,3-Dichloropropane	9.54	76	14931	1.743	ug/l #	46
59) 2-Hexanone	9.54	43	184344	33.918	ug/l #	52
64) Tetrachloroethene	9.34	164	1716	0.241	ug/l #	76
67) Ethyl Benzene	10.25	91	702679	26.425	ug/l	99
68) m/p-Xylenes	10.36	106	1407502	133.155	ug/l	100
69) o-Xylene	10.70	106	688972	67.736	ug/l	99
70) Styrene	10.70	104	38510	2.335	ug/l #	1
73) Isopropylbenzene	11.02	105	30748	1.130	ug/l	97
76) 1,2,3-Trichloropropane	11.43	75	12439	1.597	ug/l #	1
78) n-propylbenzene	11.36	91	178361	5.976	ug/l	99
79) 2-Chlorotoluene	11.43	91	190571	10.523	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	734422	32.983	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	168862	65.559	ug/l #	9
82) 4-Chlorotoluene	11.51	91	78321	3.738	ug/l #	43
83) tert-Butylbenzene	11.80	119	491142	22.278	ug/l #	60

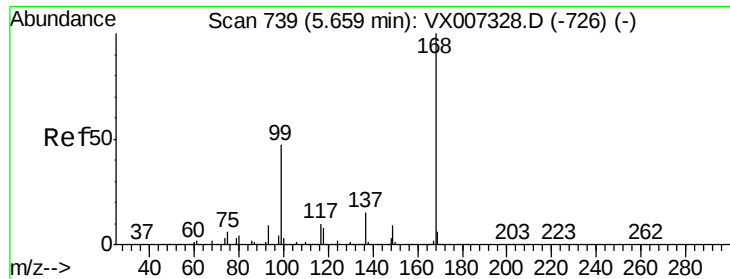
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020419\
Data File : VX007361.D
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Quant Time: Feb 04 23:59:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.80	105	3930841	173.884	ug/l	98
85) sec-Butylbenzene	11.80	105	3930841	147.322	ug/l #	55
86) p-Isopropyltoluene	12.02	119	55240	2.293	ug/l	97
89) n-Butylbenzene	12.37	91	55087	2.659	ug/l #	1
90) Hexachloroethane	12.58	117	12467	3.458	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.02	75	787	0.456	ug/l #	1
95) Naphthalene	13.83	128	196767	7.285	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

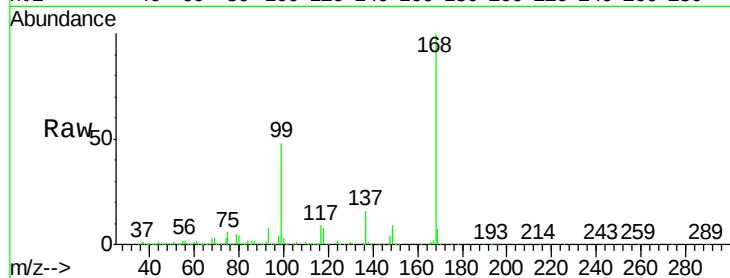
RBR-200034

Tot Ion:168 Resp: 484780

Ion Ratio Lower Upper

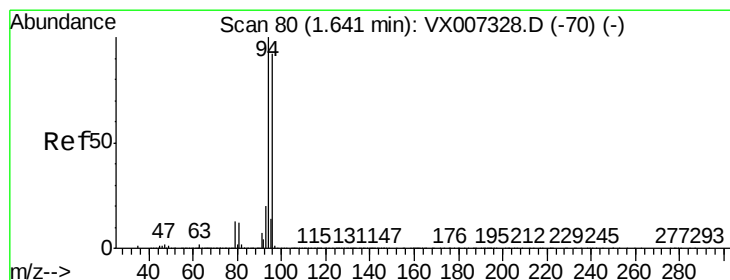
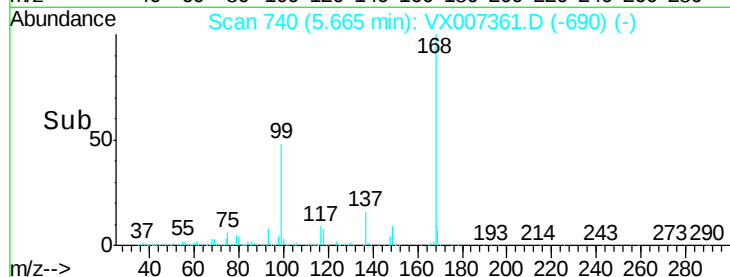
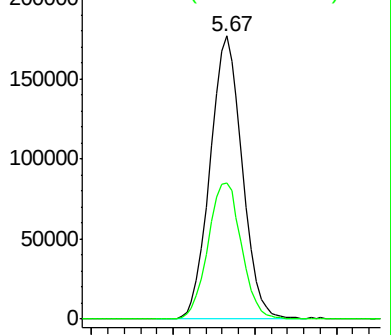
168 100

99 48.0 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007361.D

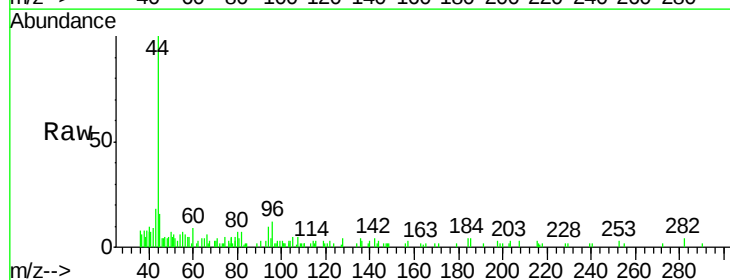
Acq: 04 Feb 2019 16:03

Tgt Ion: 94 Resp: 311

Ion Ratio Lower Upper

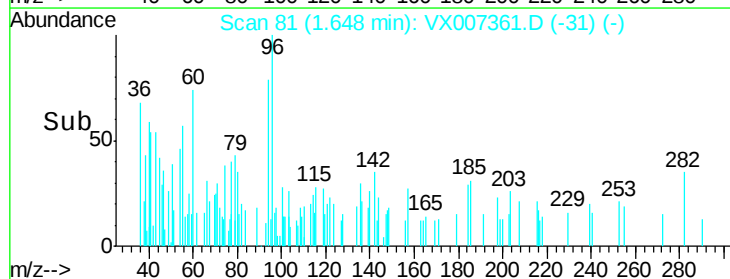
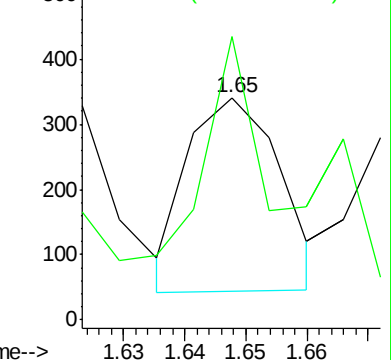
94 100

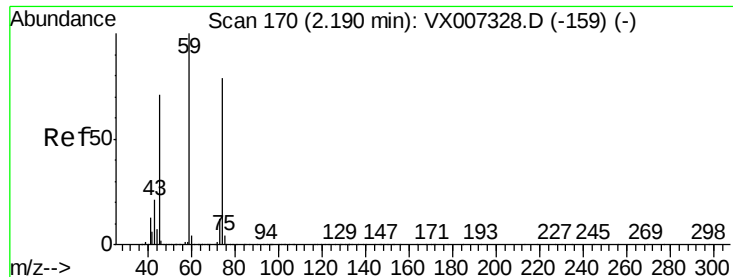
96 136.7 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.204 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

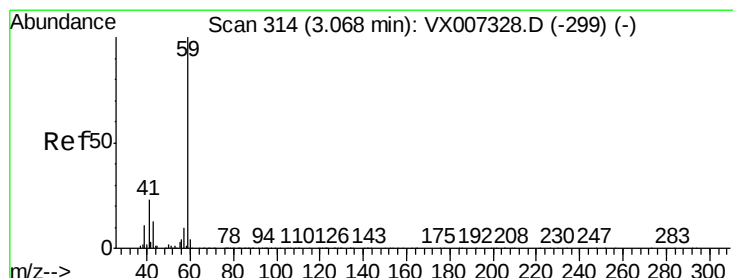
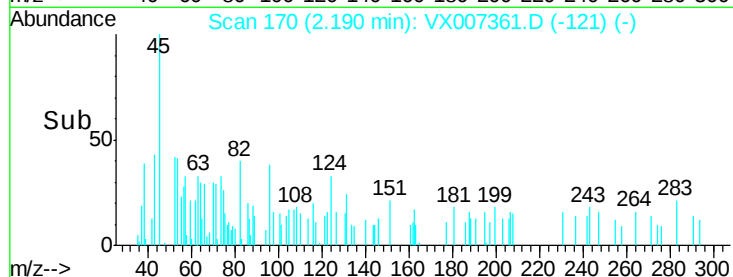
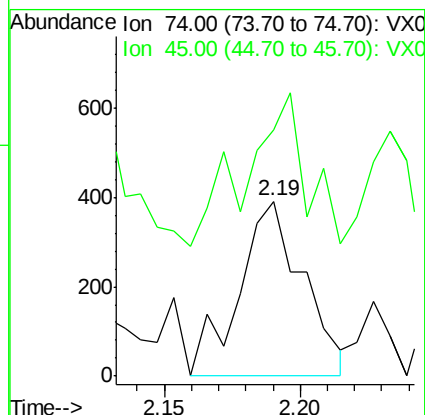
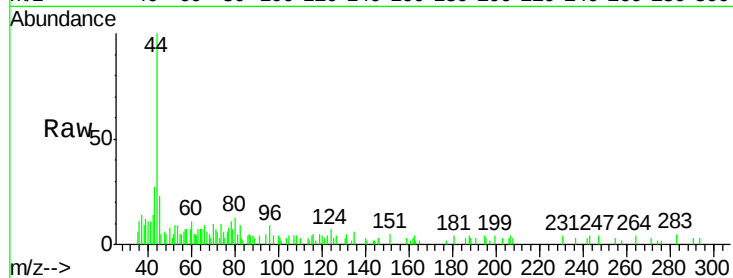
RBR-200034

Tot Ion: 74 Resp: 642

Ion Ratio Lower Upper

74 100

45 95.2 45.7 137.1



#11

Tert butyl alcohol

Concen: 2.158 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.01 min

Lab File: VX007361.D

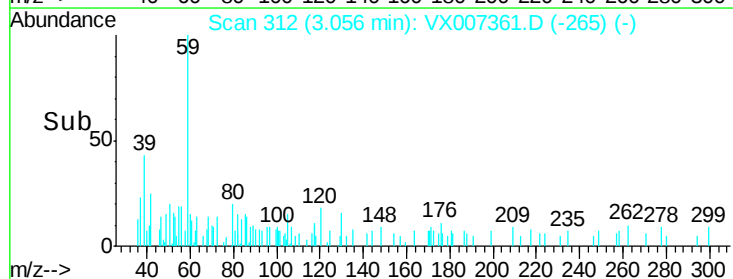
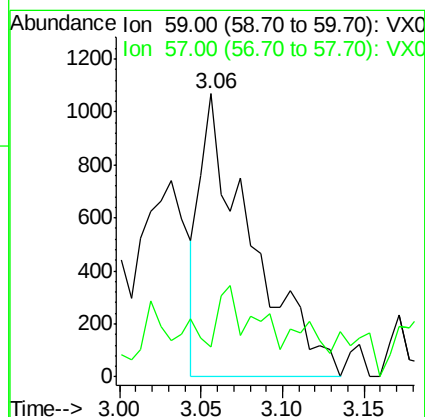
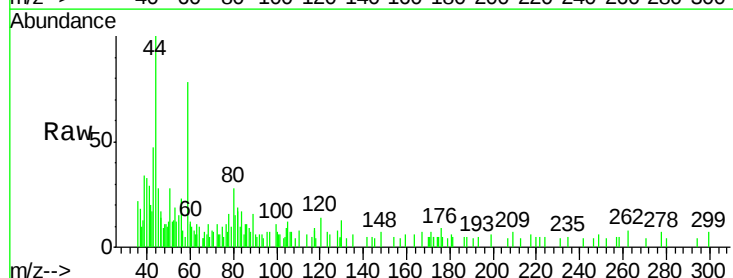
Acq: 04 Feb 2019 16:03

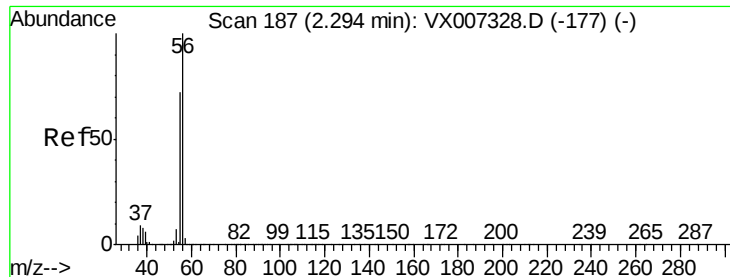
Tgt Ion: 59 Resp: 2298

Ion Ratio Lower Upper

59 100

57 14.4 8.1 12.1#





#13

Acrolein

Concen: 0.208 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

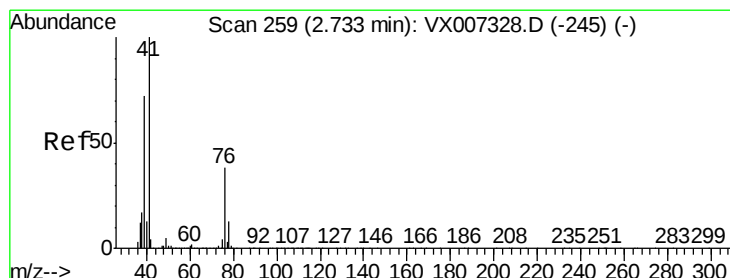
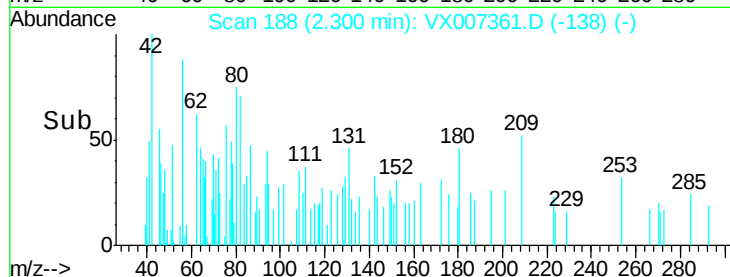
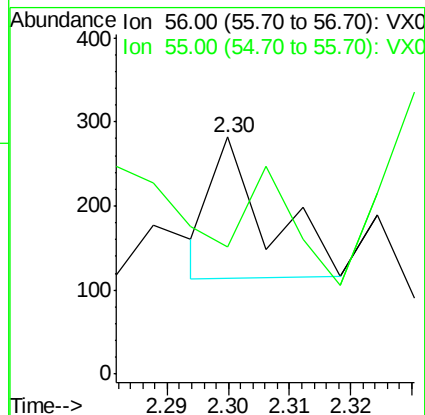
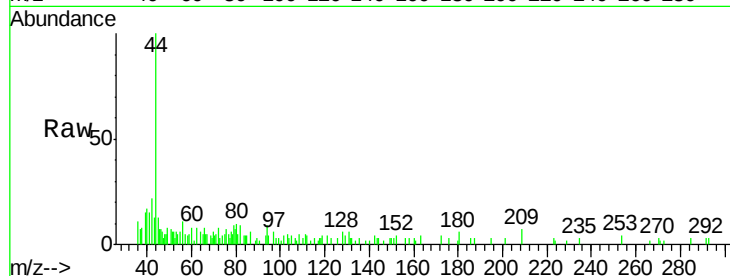
RBR-200034

Tot Ion: 56 Resp: 104

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#14

Allyl chloride

Concen: 5.585 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.12 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

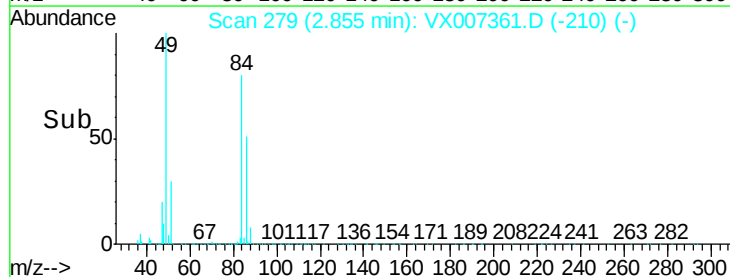
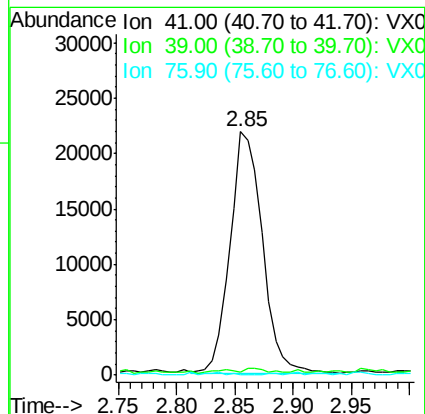
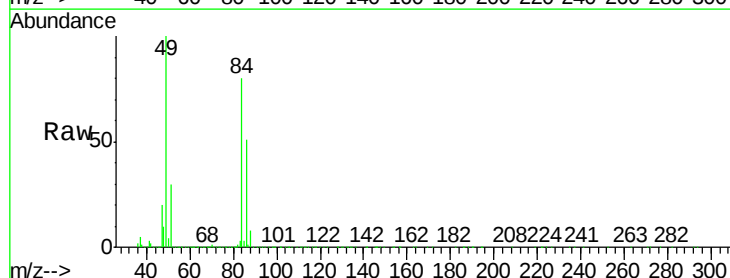
Tgt Ion: 41 Resp: 42125

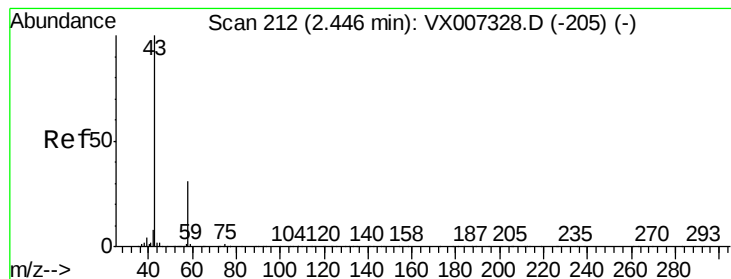
Ion Ratio Lower Upper

41 100

39 1.0 54.1 81.1#

76 0.0 27.8 41.8#





#16

Acetone

Concen: 12.449 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

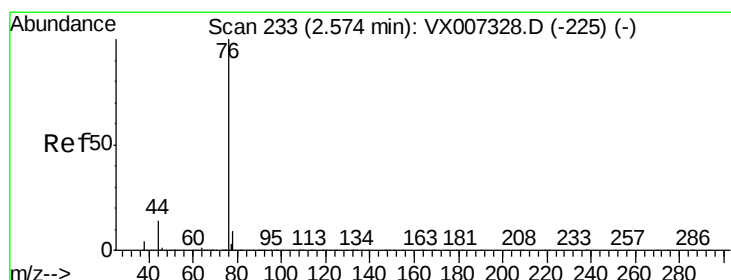
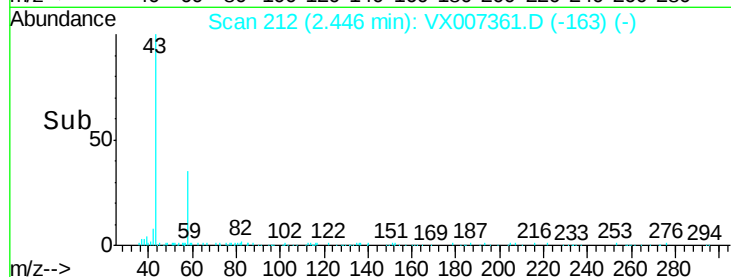
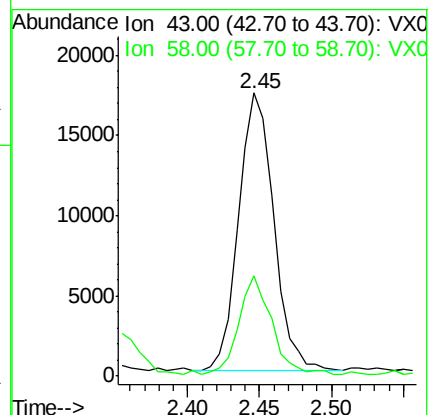
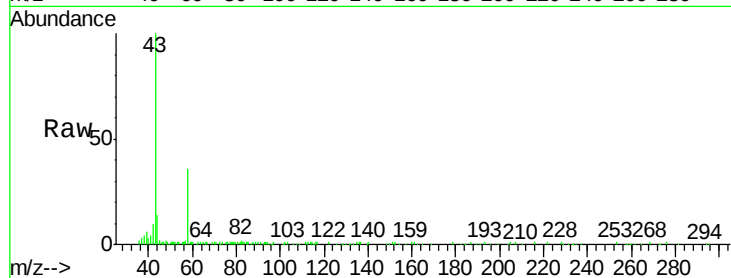
RBR-200034

Tot Ion: 43 Resp: 29342

Ion Ratio Lower Upper

43 100

58 35.4 24.9 37.3



#17

Carbon Disulfide

Concen: 2.216 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX007361.D

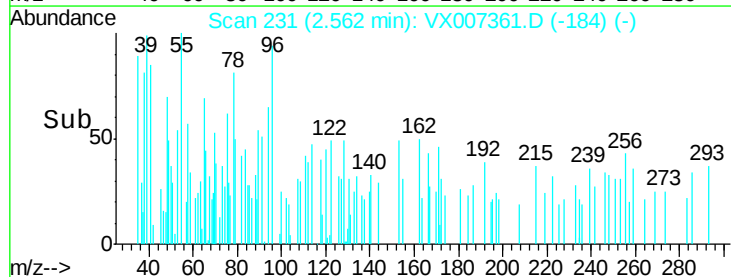
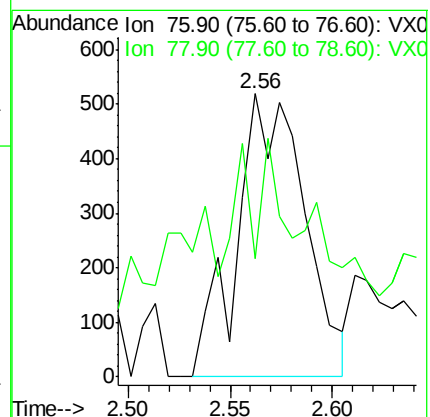
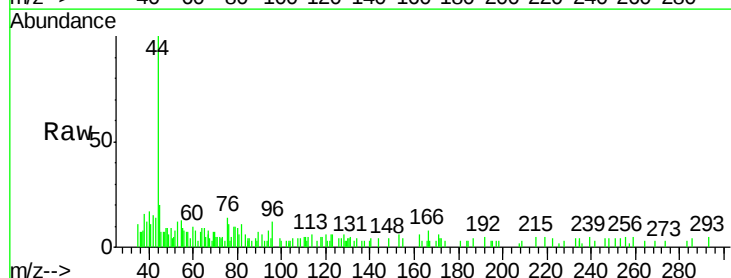
Acq: 04 Feb 2019 16:03

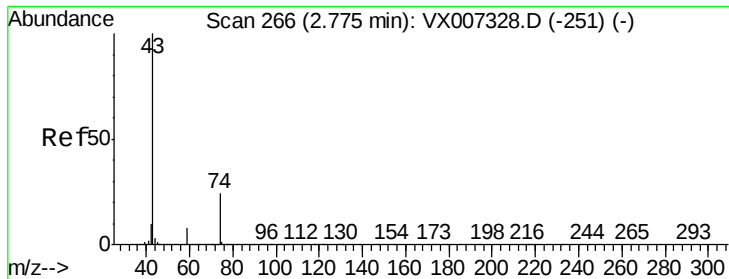
Tgt Ion: 76 Resp: 1200

Ion Ratio Lower Upper

76 100

78 3.9 7.1 10.7#

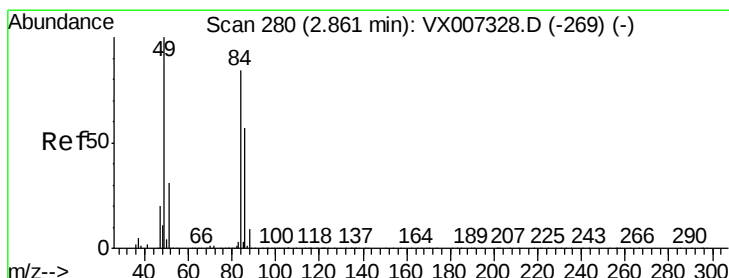
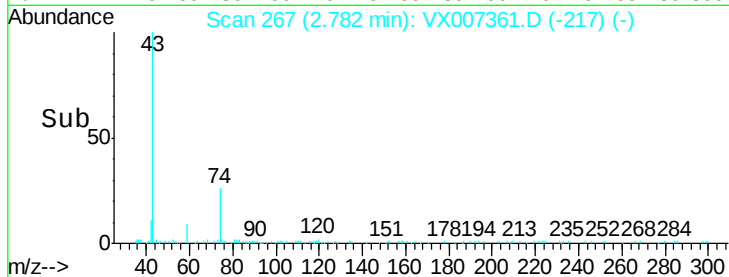
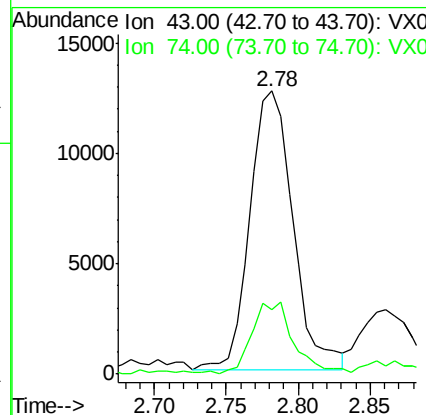
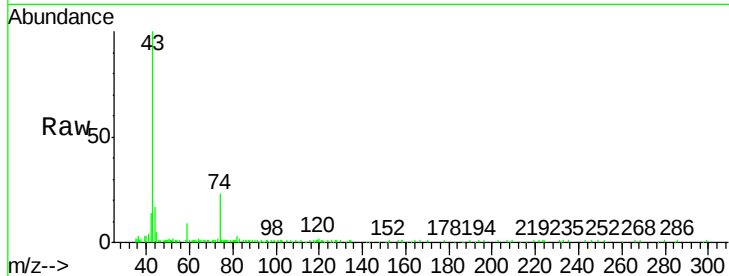




#18
Methyl Acetate
Concen: 4.791 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007361.D
Acq: 04 Feb 2019 16:03

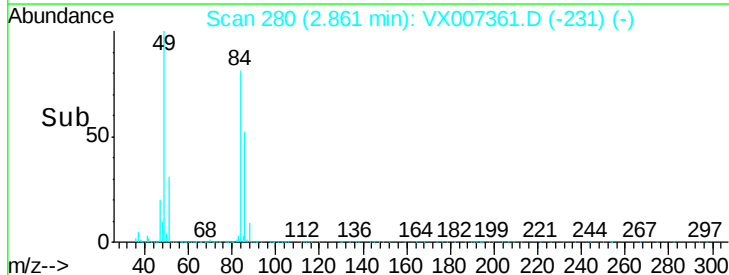
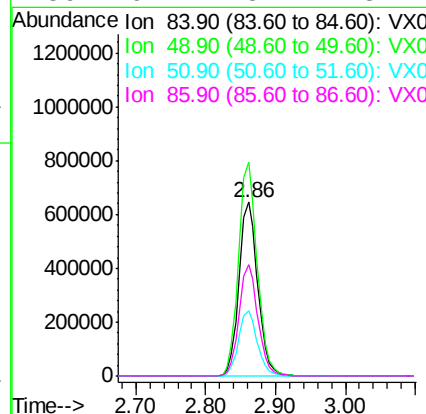
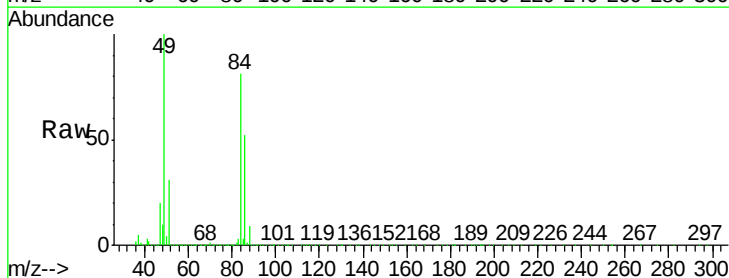
Instrument :
MSVOA_X
ClientSampled :
RBR-200034

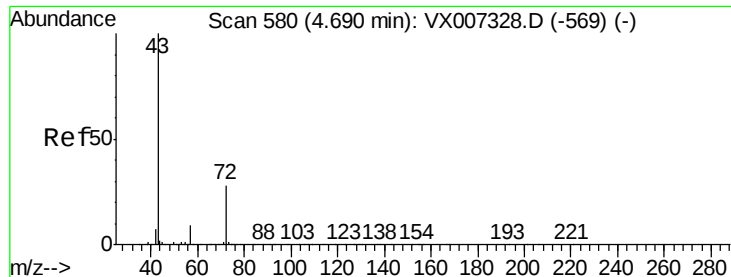
Tot Ion: 43 Resp: 26087
Ion Ratio Lower Upper
43 100
74 25.1 19.4 29.2



#20
Methylene Chloride
Concen: 252.418 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007361.D
Acq: 04 Feb 2019 16:03

Tgt Ion: 84 Resp: 1207582
Ion Ratio Lower Upper
84 100
49 123.0 94.8 142.2
51 37.6 29.8 44.8
86 64.4 54.1 81.1





#25

2-Butanone

Concen: 3.731 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.02 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

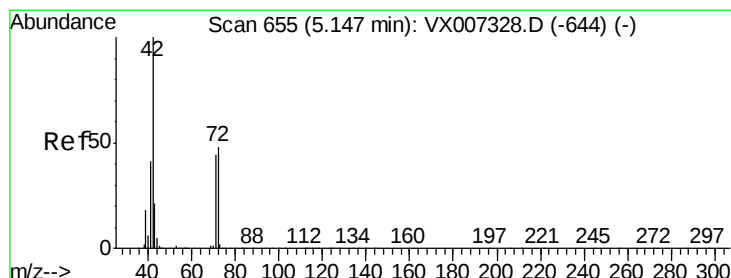
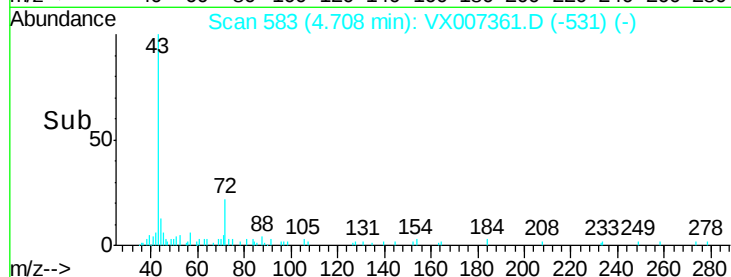
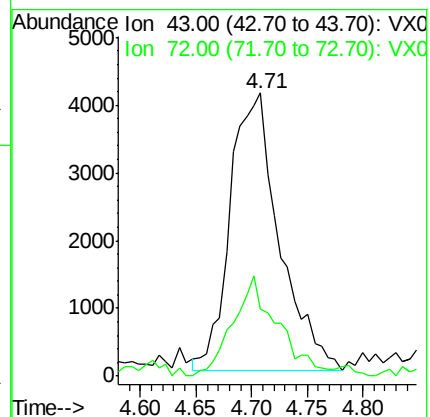
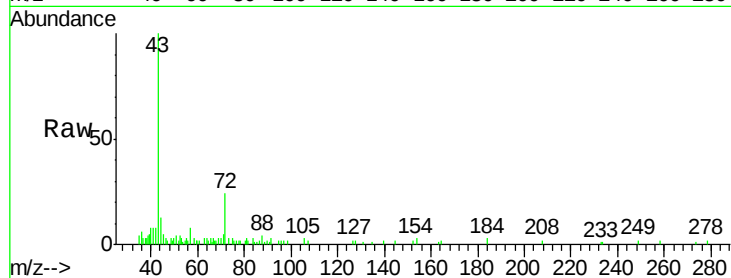
RBR-200034

Tot Ion: 43 Resp: 12516

Ion Ratio Lower Upper

43 100

72 24.3 22.2 33.2



#29

Tetrahydrofuran

Concen: 0.261 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

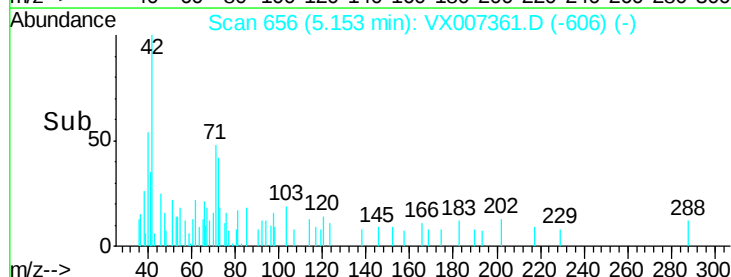
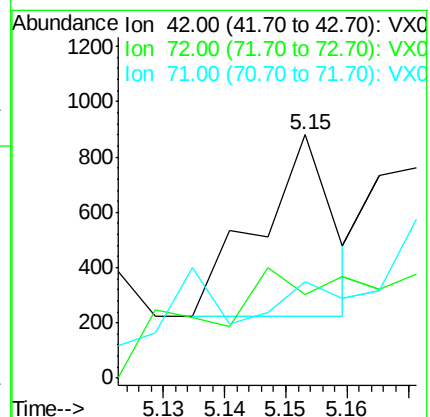
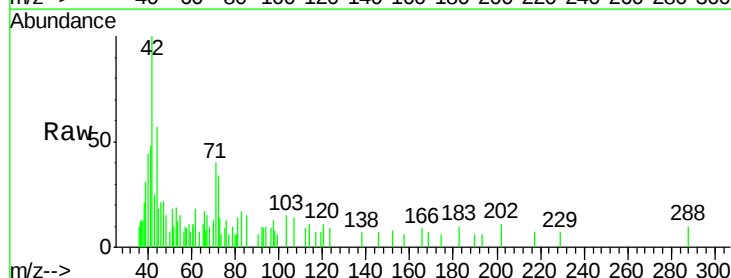
Tgt Ion: 42 Resp: 551

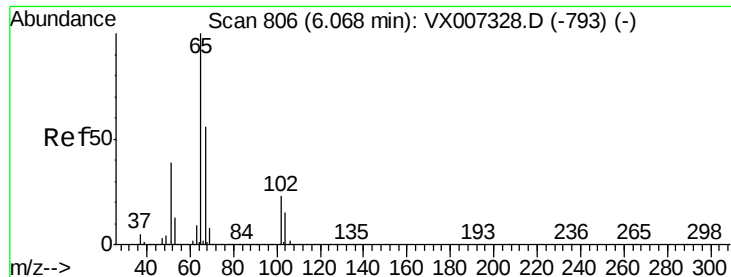
Ion Ratio Lower Upper

42 100

72 249.4 37.6 56.4#

71 41.2 34.6 51.8





#33

1,2-Dichloroethane-d4

Concen: 52.508 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

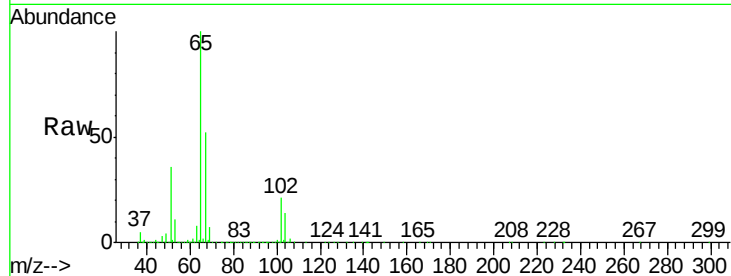
RBR-200034

Tot Ion: 65 Resp: 270184

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

60000

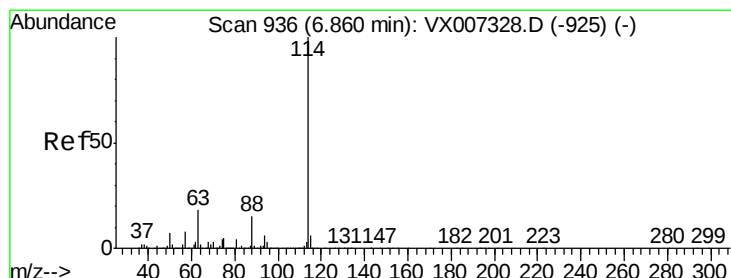
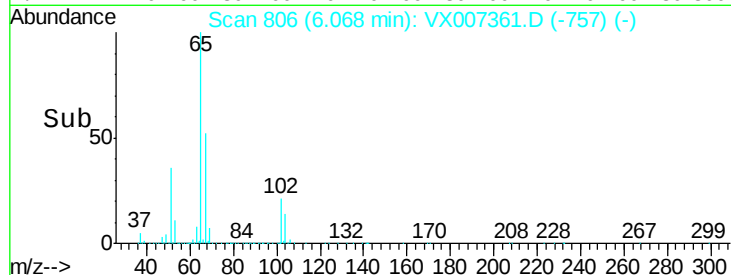
40000

20000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

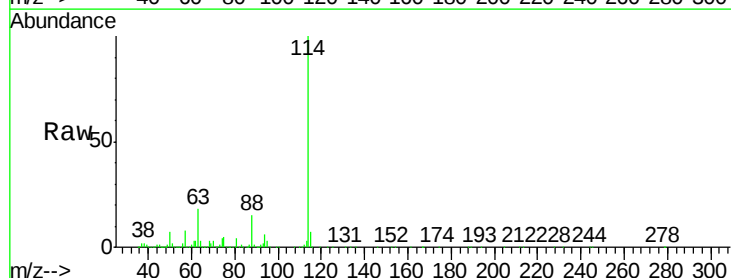
Tgt Ion: 114 Resp: 757854

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

88 14.6 0.0 29.6



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

6.86

400000

300000

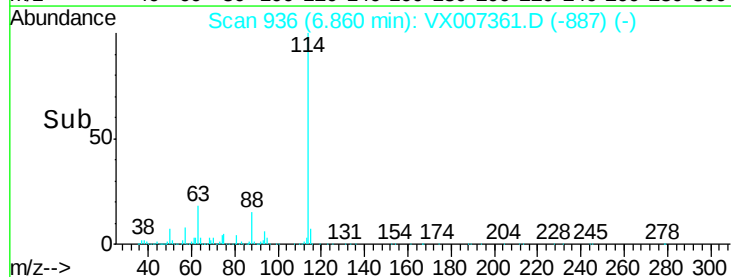
200000

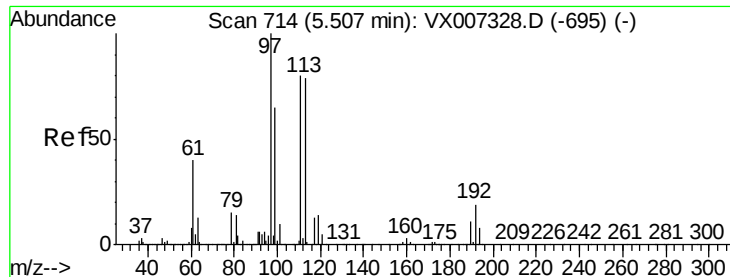
100000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.542 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

RBR-200034

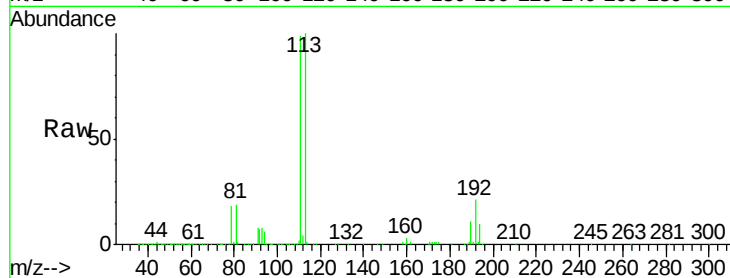
Tot Ion:113 Resp: 244296

Ion Ratio Lower Upper

113 100

111 100.2 81.8 122.8

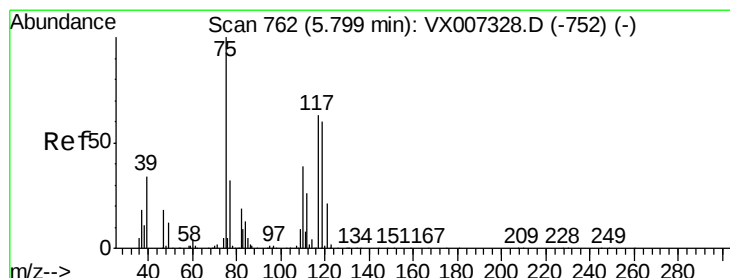
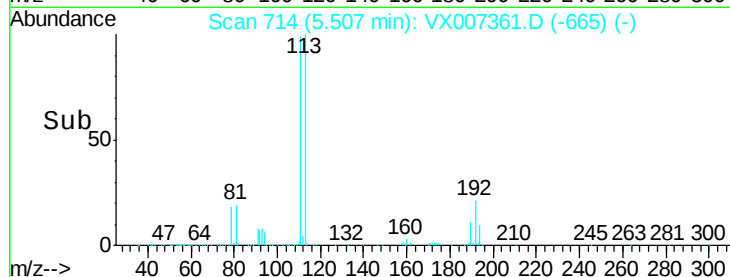
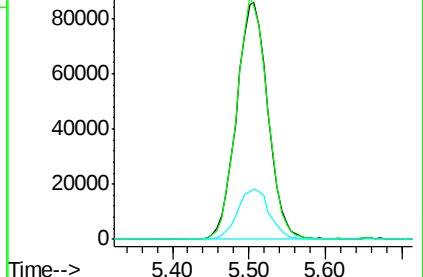
192 21.8 18.5 27.7



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



#36

1,1-Dichloropropene

Concen: 4.564 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

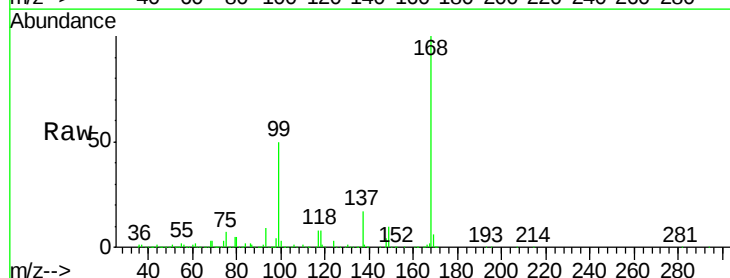
Tgt Ion: 75 Resp: 31033

Ion Ratio Lower Upper

75 100

110 11.3 20.0 59.9#

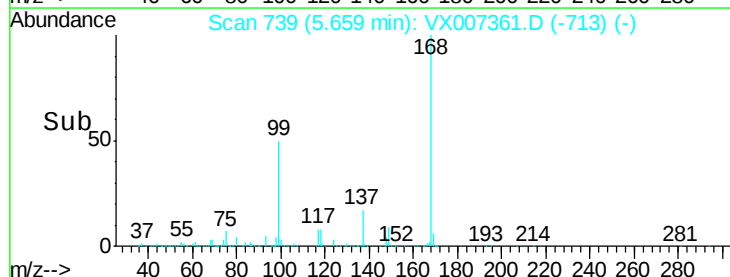
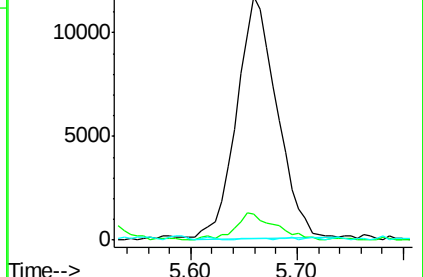
77 0.5 24.7 37.1#

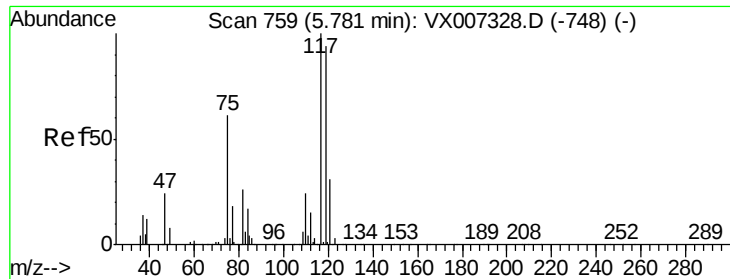


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

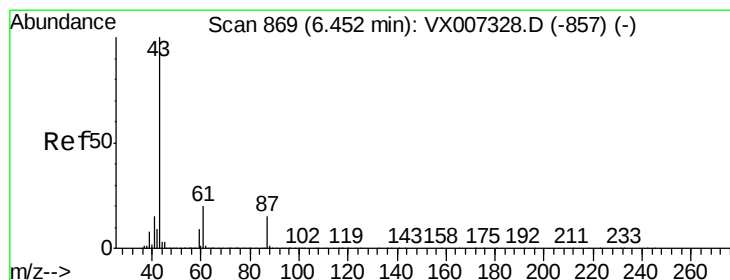
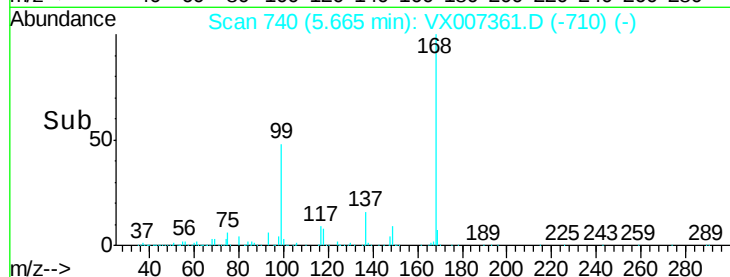
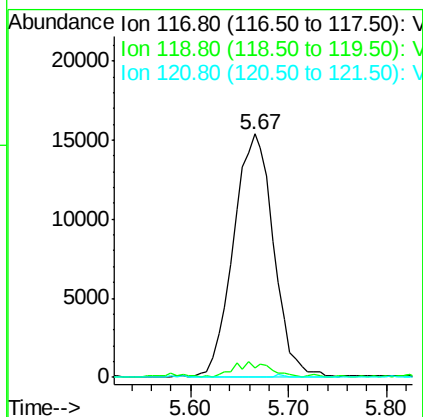
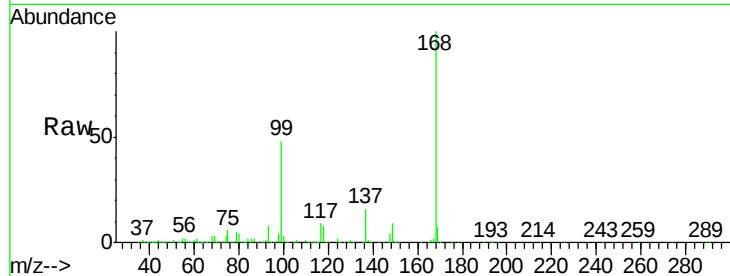




#38
Carbon Tetrachloride
Concen: 6.652 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX007361.D
Acq: 04 Feb 2019 16:03

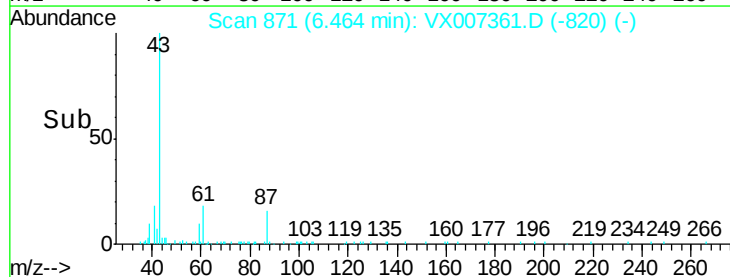
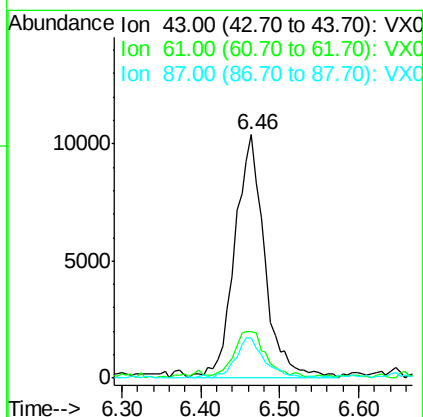
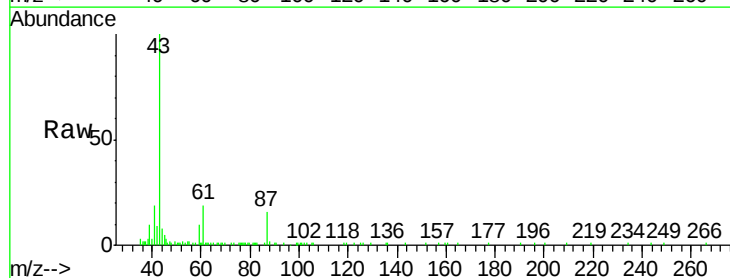
Instrument :
MSVOA_X
ClientSampleId :
RBR-200034

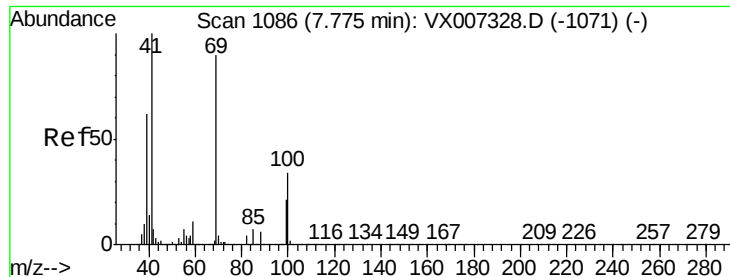
Tot Ion:117 Resp: 43880
Ion Ratio Lower Upper
117 100
119 3.2 75.3 112.9#
121 0.0 25.0 37.4#



#43
Isopropyl Acetate
Concen: 2.592 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.01 min
Lab File: VX007361.D
Acq: 04 Feb 2019 16:03

Tgt Ion: 43 Resp: 27502
Ion Ratio Lower Upper
43 100
61 20.8 16.1 24.1
87 15.7 11.5 17.3





#48

Methvl methacrylate

Concen: 2.473 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

RBR-200034

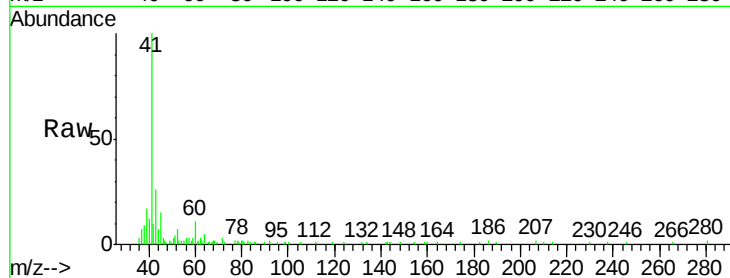
Tot Ion: 41 Resp: 13125

Ion Ratio Lower Upper

41 100

69 1.2 70.2 105.4#

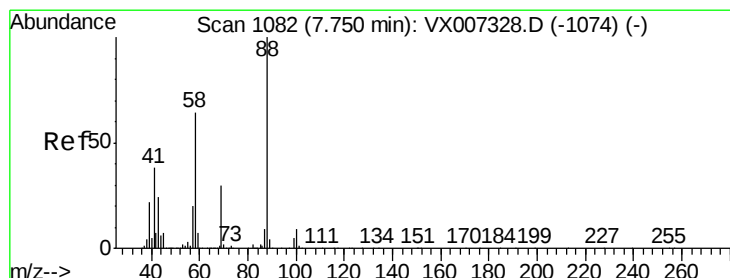
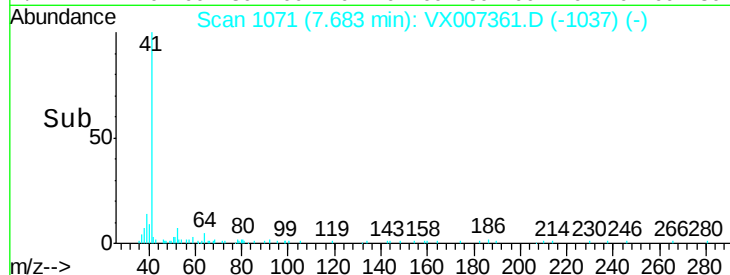
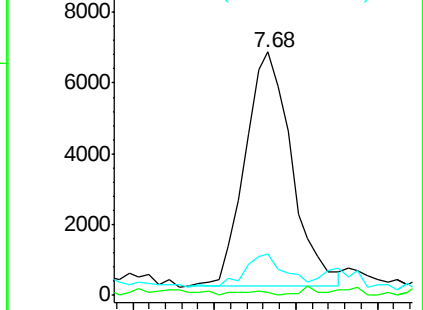
39 0.0 47.4 71.0#



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: 7.545 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

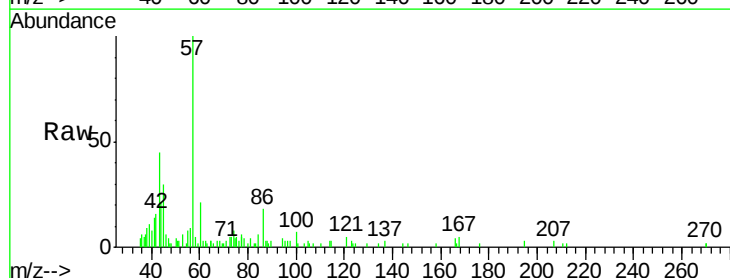
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

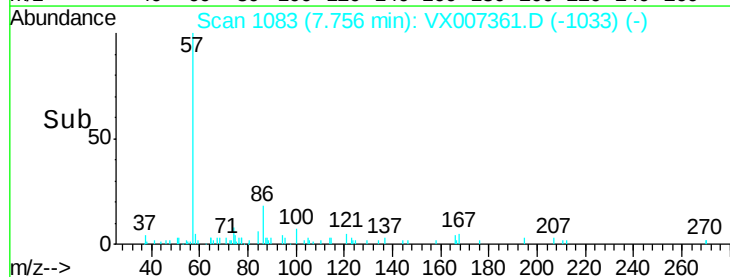
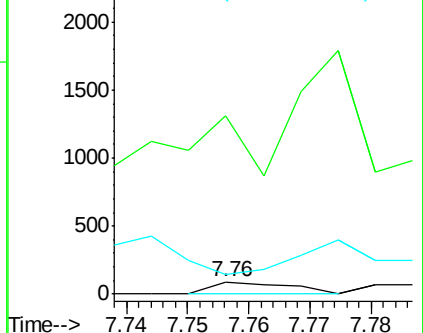
58 679.0 53.0 79.4#

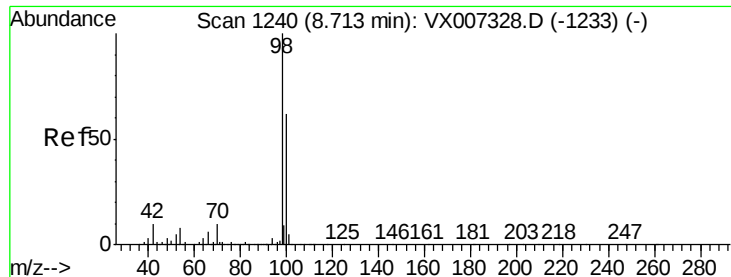


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.508 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

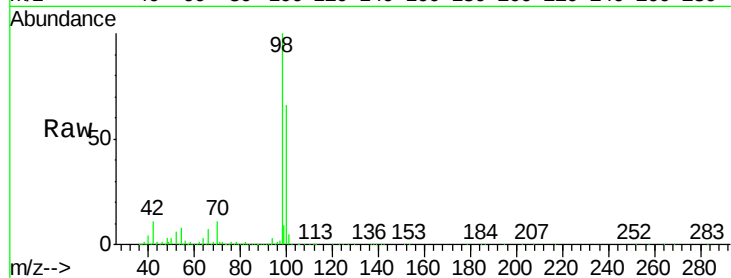
RBR-200034

Tot Ion: 98 Resp: 942350

Ion Ratio Lower Upper

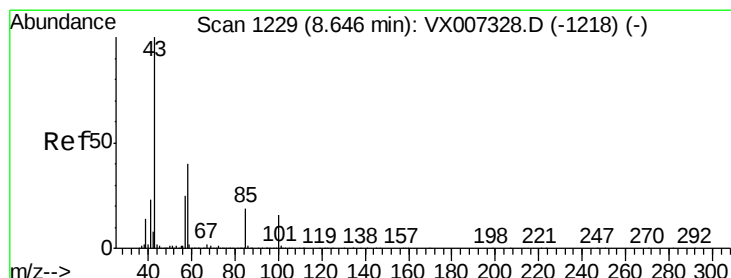
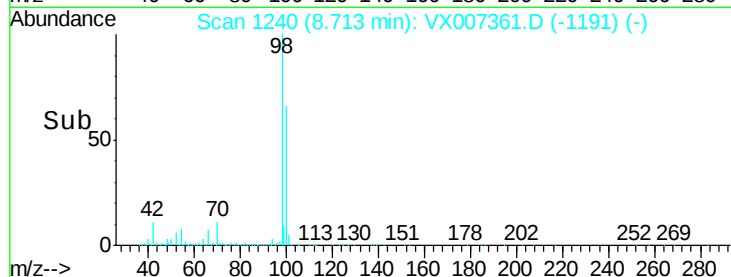
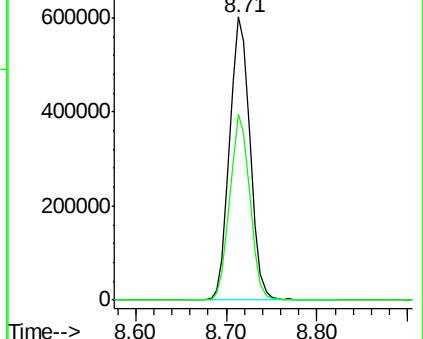
98 100

100 64.6 51.6 77.4



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: 19.511 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007361.D

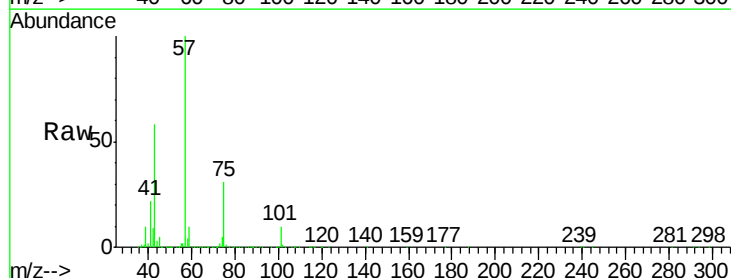
Acq: 04 Feb 2019 16:03

Tgt Ion: 43 Resp: 136270

Ion Ratio Lower Upper

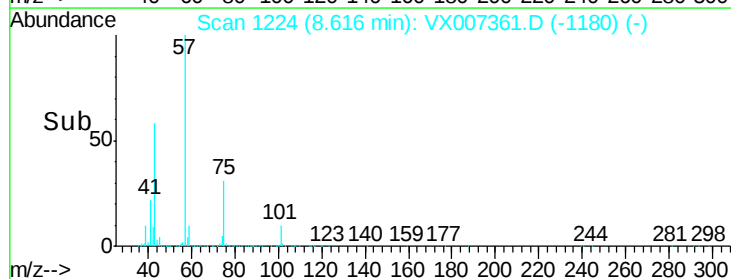
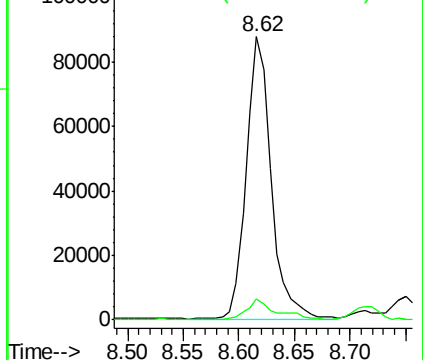
43 100

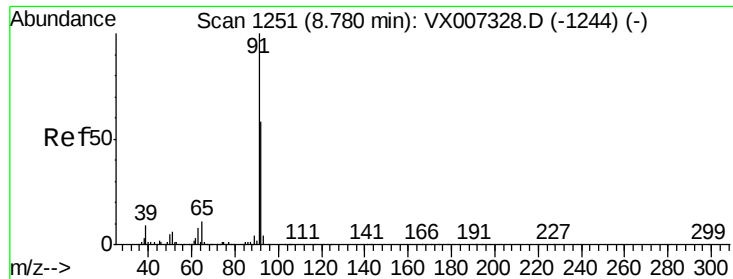
58 8.6 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 0.581 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

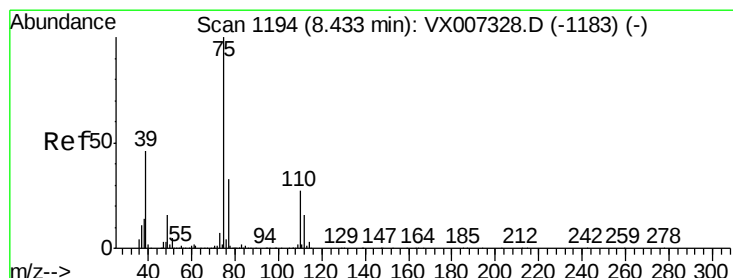
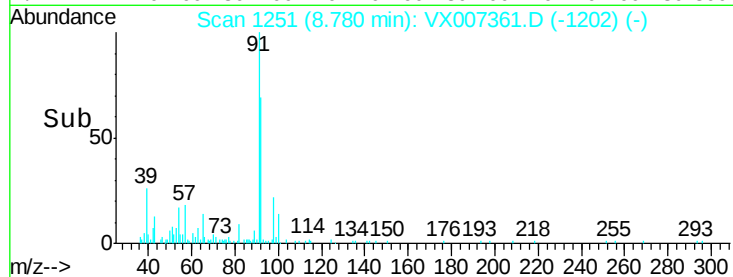
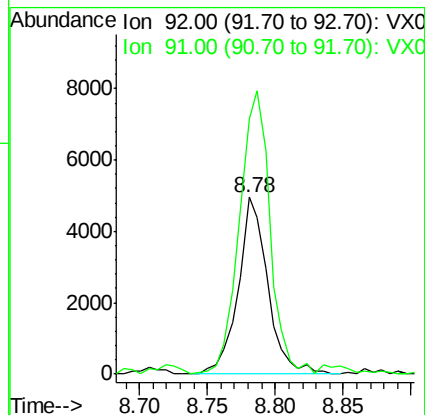
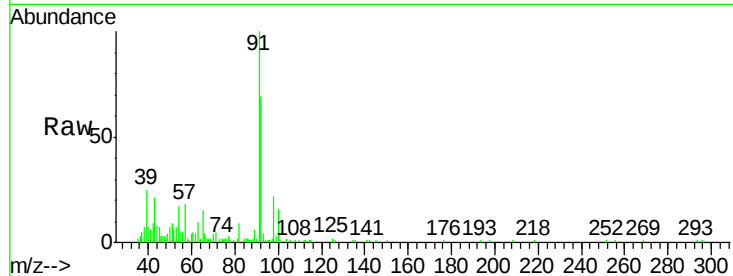
RBR-200034

Tot Ion: 92 Resp: 7502

Ion Ratio Lower Upper

92 100

91 165.7 139.1 208.7



#54

cis-1,3-Dichloropropene

Concen: 9.269 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

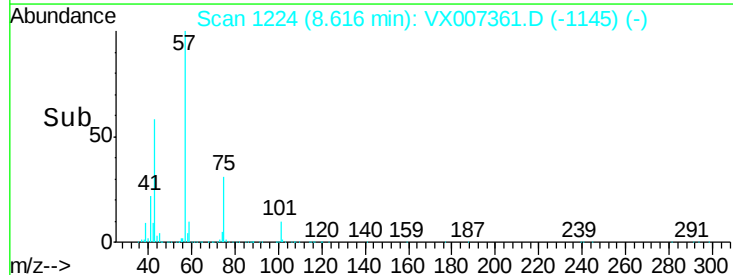
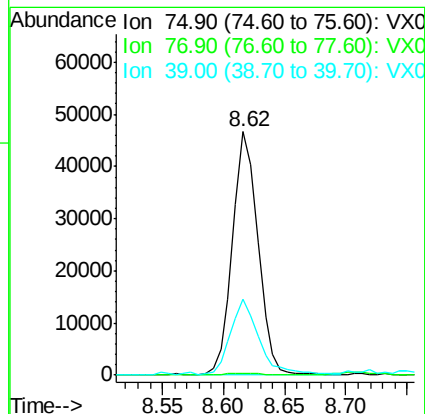
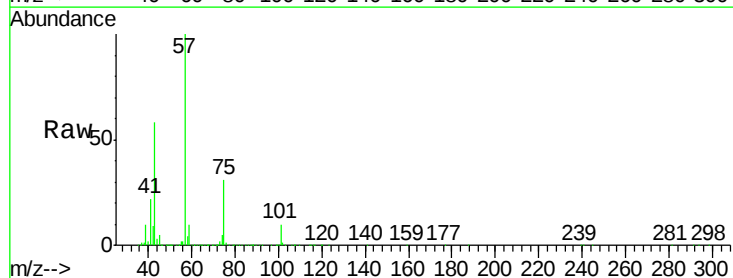
Tgt Ion: 75 Resp: 67686

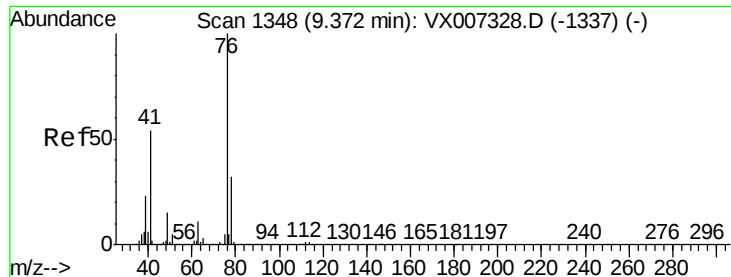
Ion Ratio Lower Upper

75 100

77 0.8 26.2 39.4#

39 30.2 37.1 55.7#





#57

1,3-Dichloropropane

Concen: 1.743 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

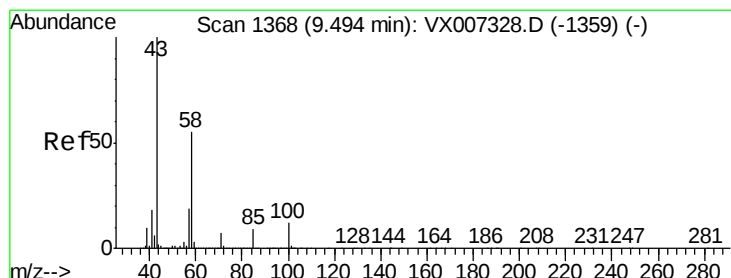
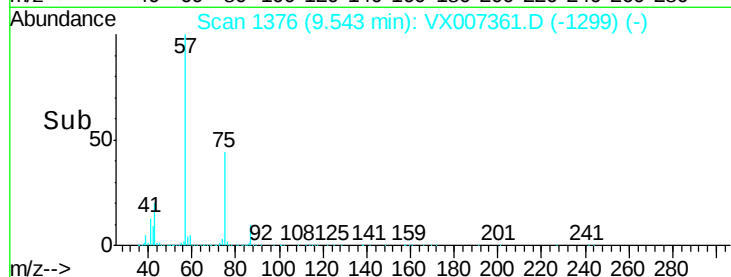
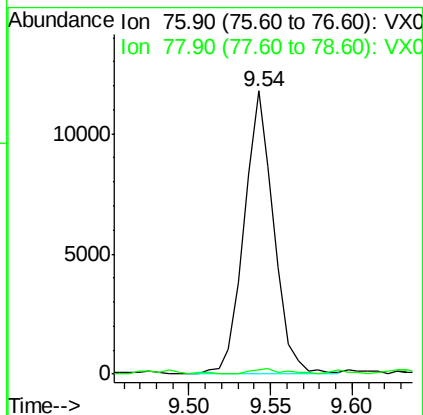
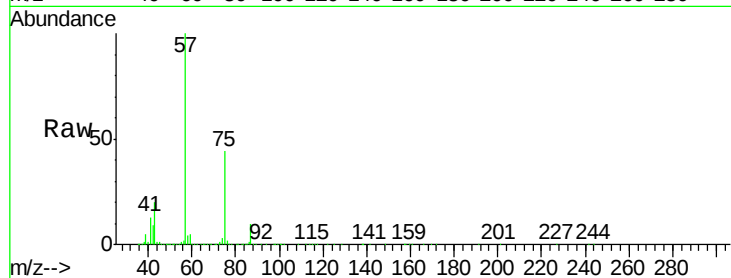
RBR-200034

Tot Ion: 76 Resp: 14931

Ion Ratio Lower Upper

76 100

78 2.3 25.8 38.8#



#59

2-Hexanone

Concen: 33.918 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX007361.D

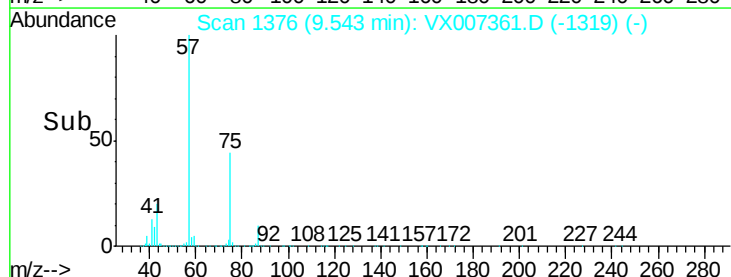
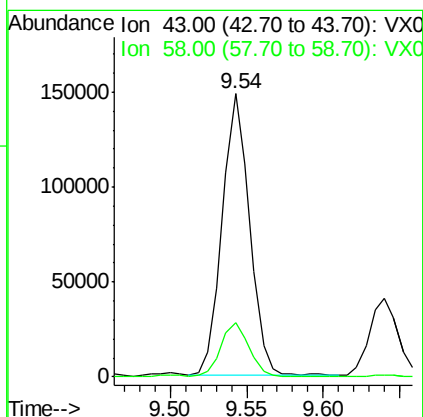
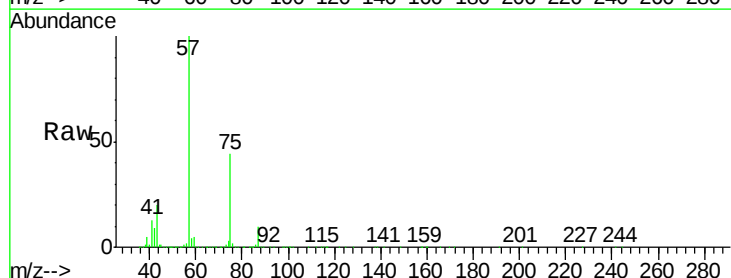
Acq: 04 Feb 2019 16:03

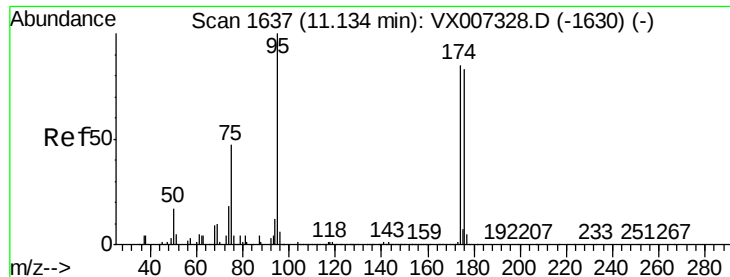
Tgt Ion: 43 Resp: 184344

Ion Ratio Lower Upper

43 100

58 20.1 27.1 81.3#





#62

4-Bromofluorobenzene

Concen: 53.465 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

RBR-200034

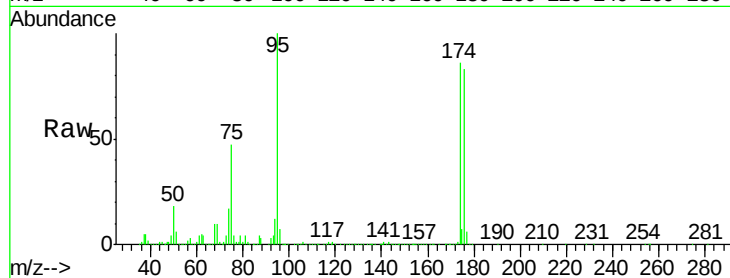
Tot Ion: 95 Resp: 357121

Ion Ratio Lower Upper

95 100

174 93.2 0.0 189.2

176 90.1 0.0 186.2

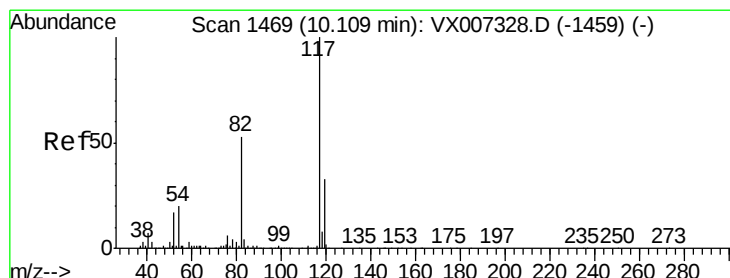
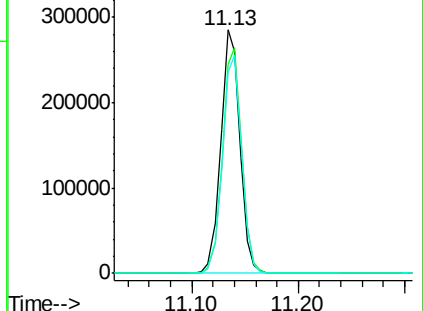
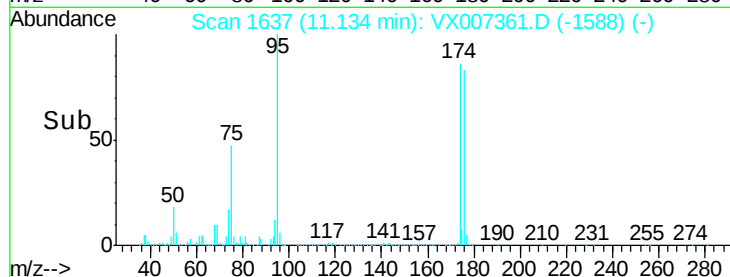


Abundance Ion 94.90 (94.60 to 95.60): VX007328.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007328.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007328.D (-1630) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

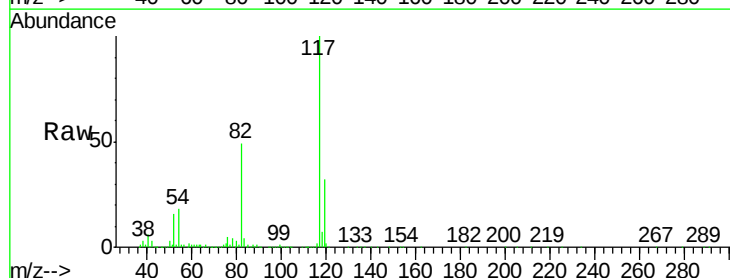
Tgt Ion: 117 Resp: 756693

Ion Ratio Lower Upper

117 100

82 49.4 42.1 63.1

119 32.3 26.5 39.7

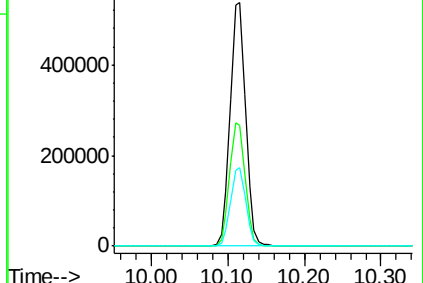
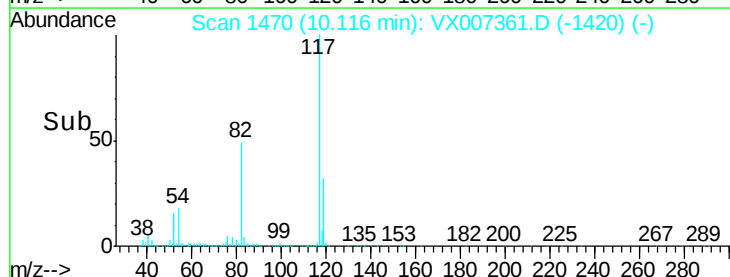


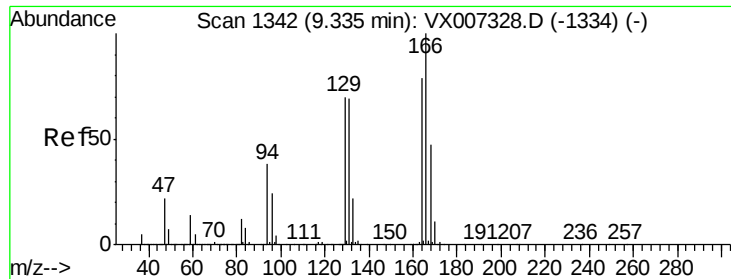
Abundance Ion 116.90 (116.60 to 117.60): VX007328.D (-1459) (-)

Ion 82.00 (81.70 to 82.70): VX007328.D (-1459) (-)

Ion 118.90 (118.60 to 119.60): VX007328.D (-1459) (-)

Time-->

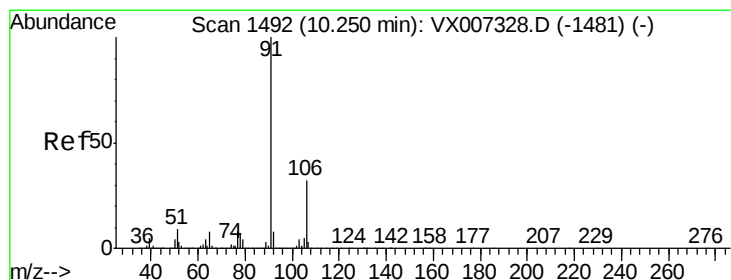
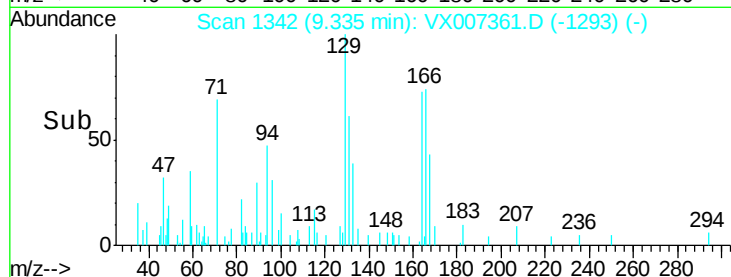
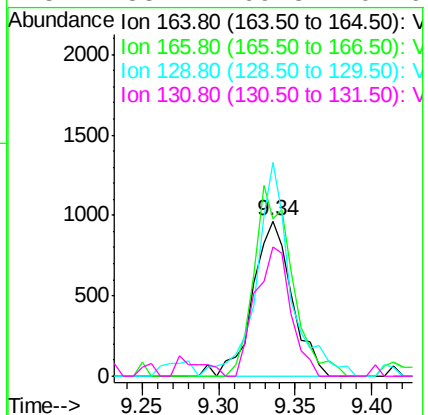
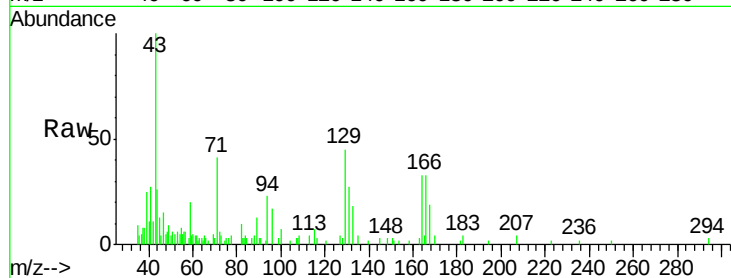




#64
Tetrachloroethene
Concen: 0.241 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007361.D
Acq: 04 Feb 2019 16:03

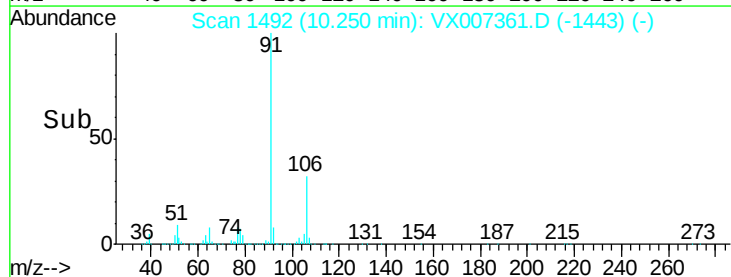
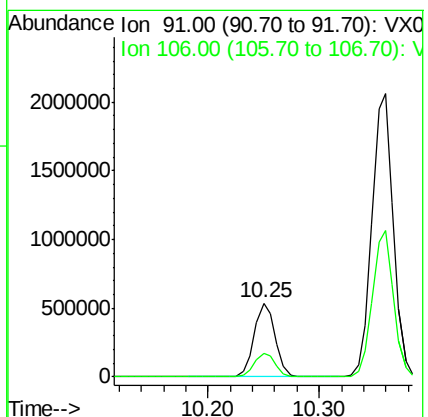
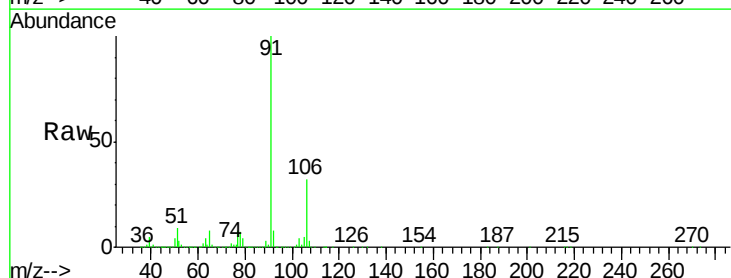
Instrument :
MSVOA_X
ClientSampleId :
RBR-200034

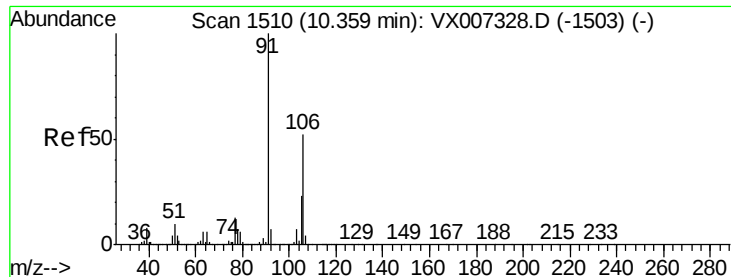
Tot Ion:164 Resp: 1716
Ion Ratio Lower Upper
164 100
166 101.8 101.0 151.4
129 131.6 70.5 105.7#
131 83.2 69.8 104.6



#67
Ethyl Benzene
Concen: 26.425 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007361.D
Acq: 04 Feb 2019 16:03

Tgt Ion: 91 Resp: 702679
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.0





#68

m/p-Xylenes

Concen: 133.155 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

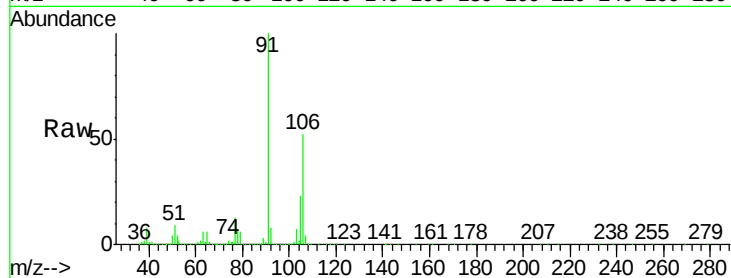
RBR-200034

Tot Ion:106 Resp: 1407502

Ion Ratio Lower Upper

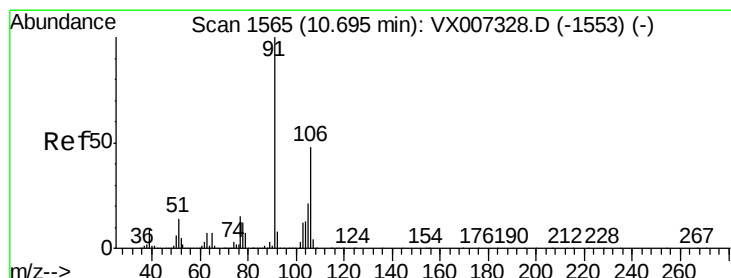
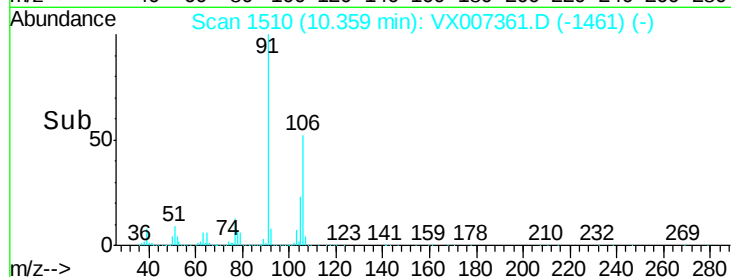
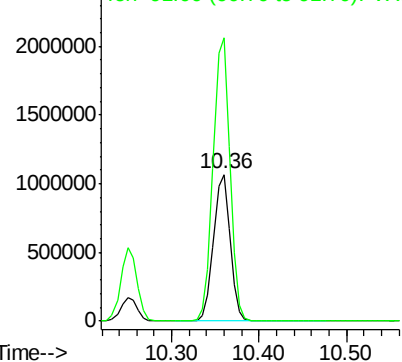
106 100

91 195.1 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 67.736 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX007361.D

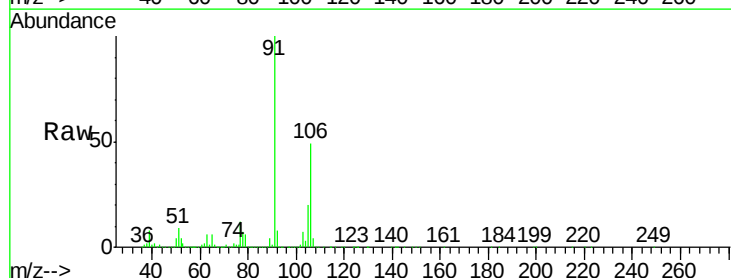
Acq: 04 Feb 2019 16:03

Tgt Ion:106 Resp: 688972

Ion Ratio Lower Upper

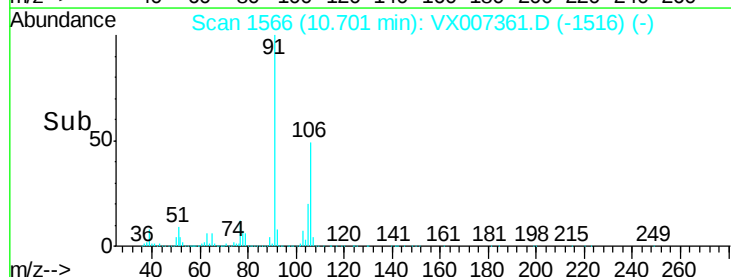
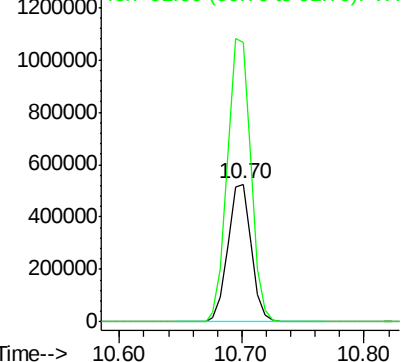
106 100

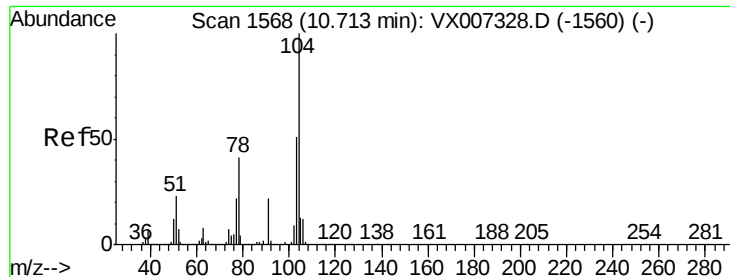
91 207.5 102.9 308.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 2.335 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

RBR-200034

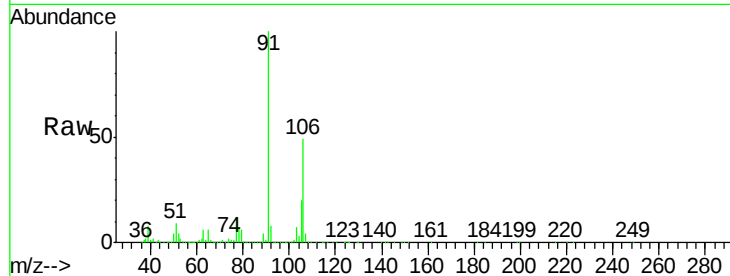
Tot Ion:104 Resp: 38510

Ion Ratio Lower Upper

104 100

78 254.5 38.3 57.5#

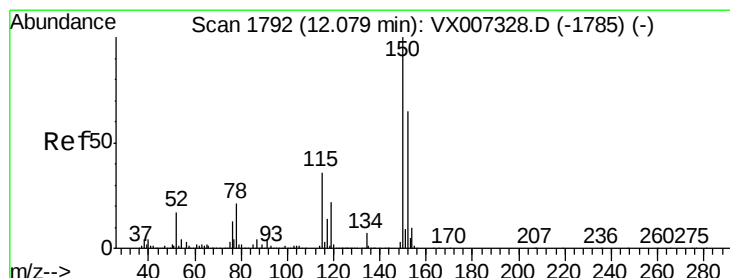
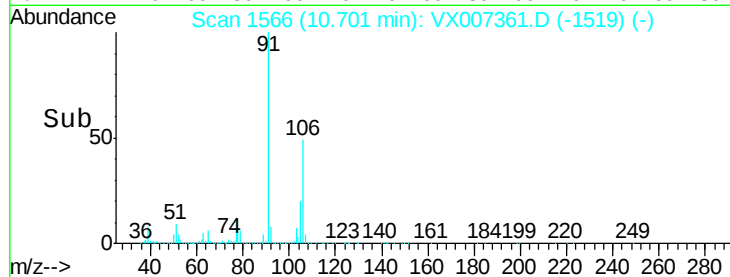
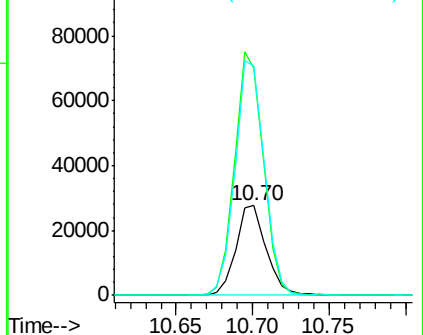
103 250.4 44.6 67.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

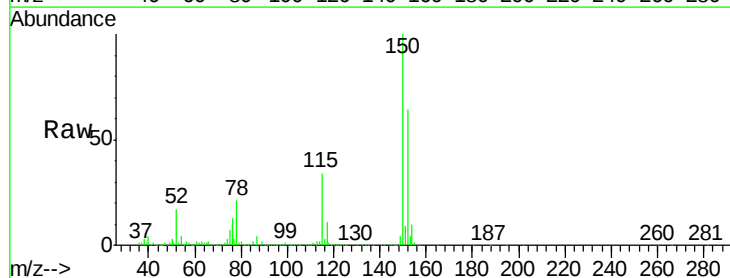
Tgt Ion:152 Resp: 400515

Ion Ratio Lower Upper

152 100

115 54.2 38.0 114.0

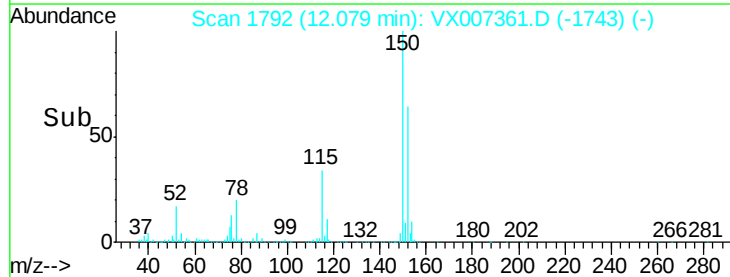
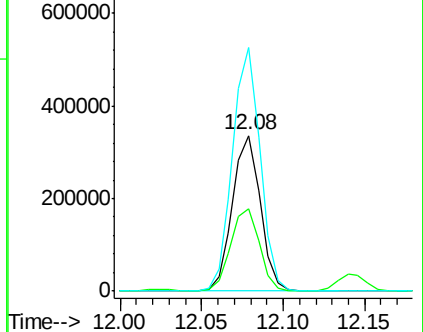
150 155.3 0.0 346.4

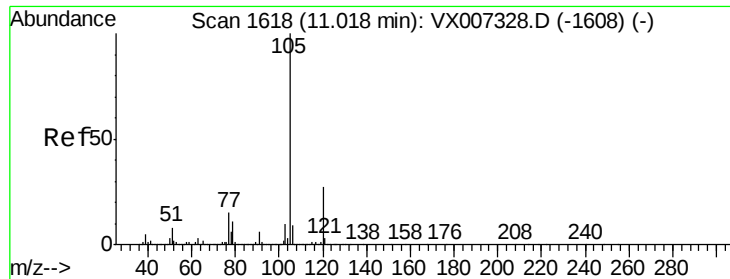


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.130 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

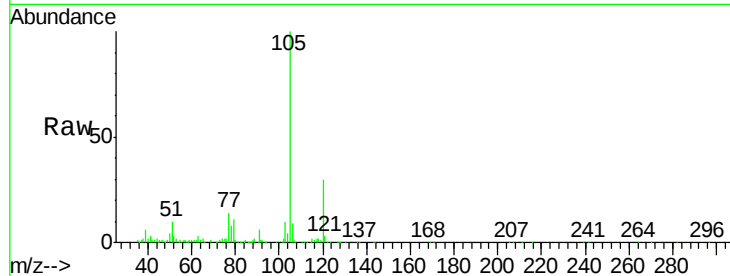
RBR-200034

Tot Ion:105 Resp: 30748

Ion Ratio Lower Upper

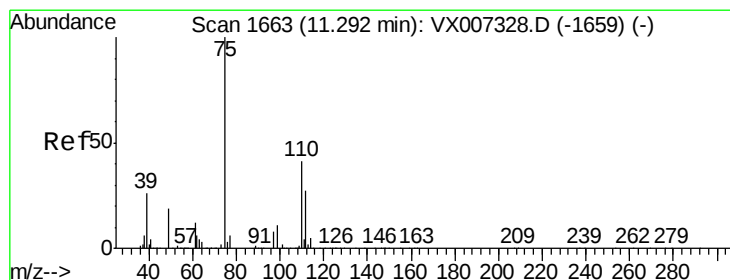
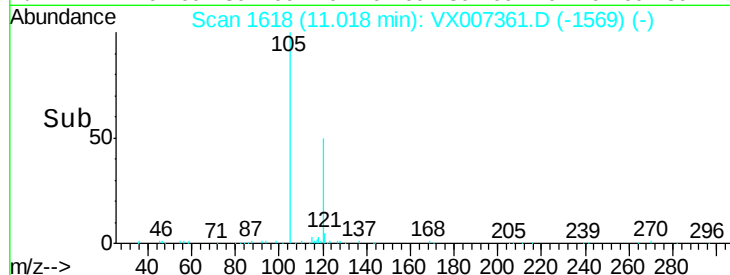
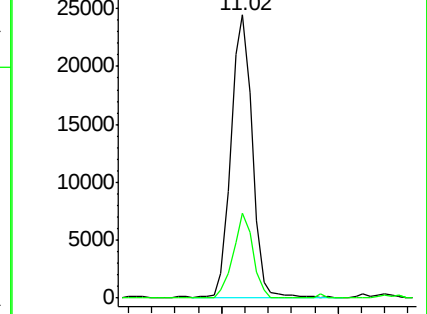
105 100

120 28.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 1.597 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.14 min

Lab File: VX007361.D

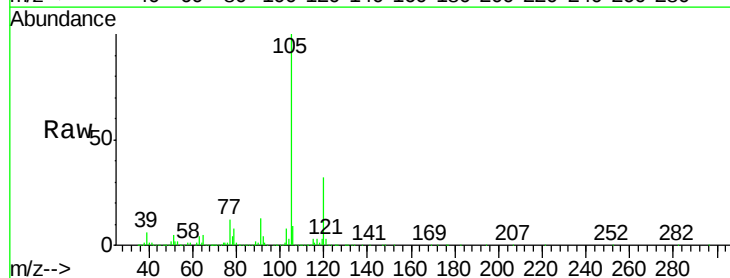
Acq: 04 Feb 2019 16:03

Tgt Ion: 75 Resp: 12439

Ion Ratio Lower Upper

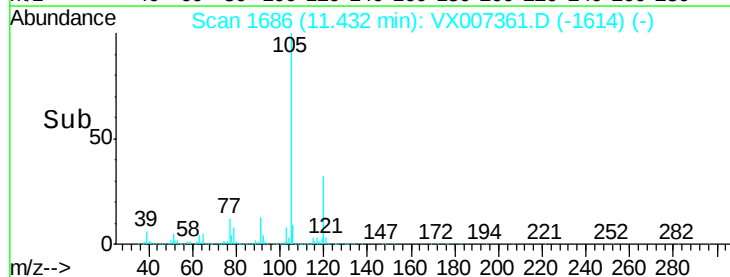
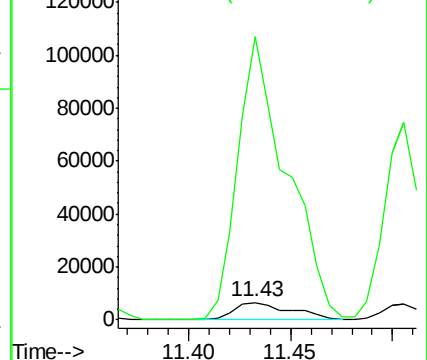
75 100

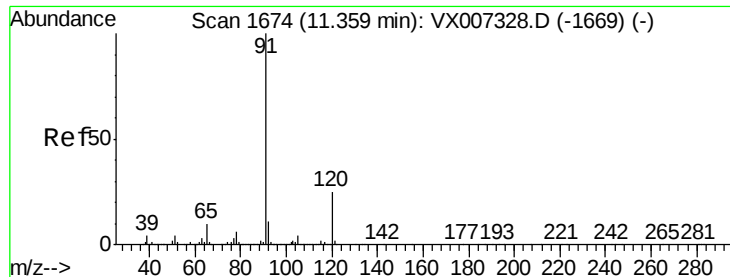
77 1435.2 23.0 69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 5.976 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

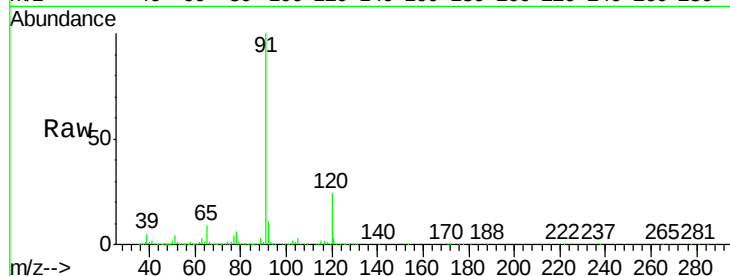
RBR-200034

Tot Ion: 91 Resp: 178361

Ion Ratio Lower Upper

91 100

120 25.1 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

300000

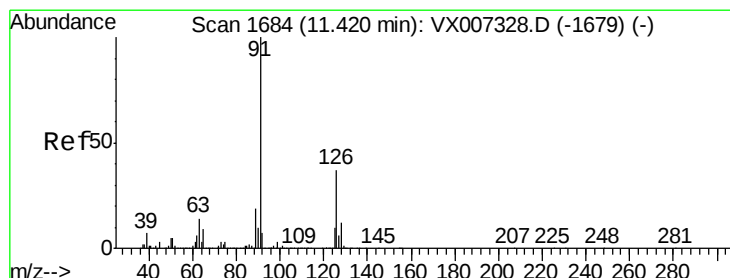
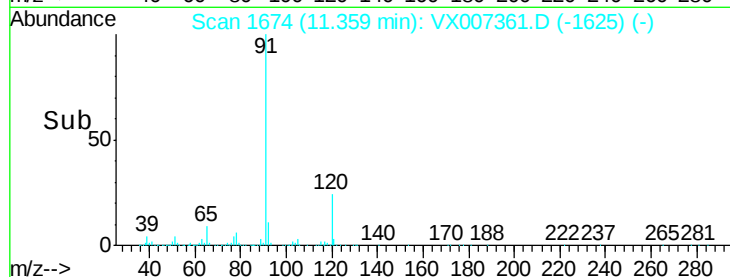
200000

100000

0

11.30 11.35 11.40

Time-->



#79

2-Chlorotoluene

Concen: 10.523 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX007361.D

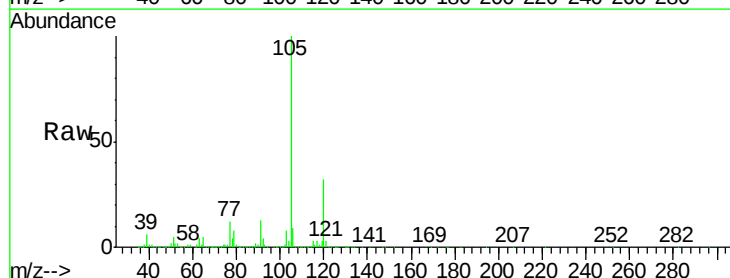
Acq: 04 Feb 2019 16:03

Tgt Ion: 91 Resp: 190571

Ion Ratio Lower Upper

91 100

126 0.2 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

150000

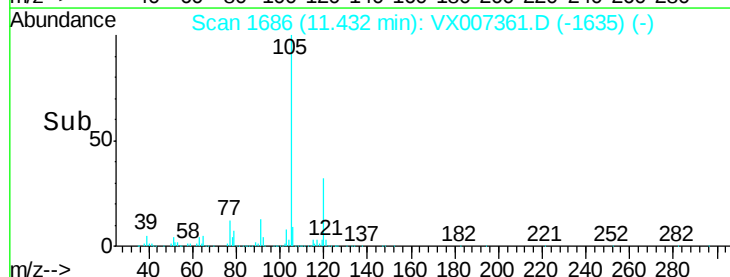
100000

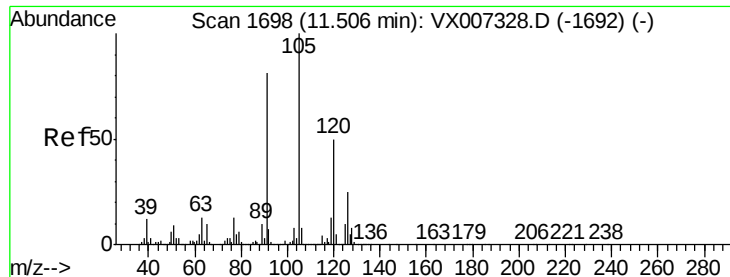
50000

0

11.40 11.45 11.50

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 32.983 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

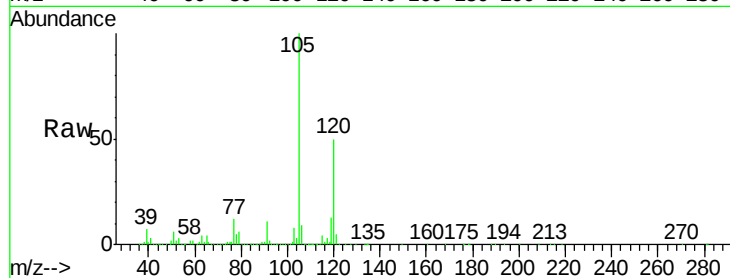
RBR-200034

Tot Ion: 105 Resp: 734422

Ion Ratio Lower Upper

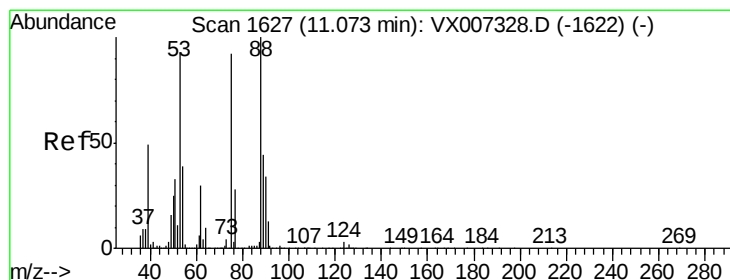
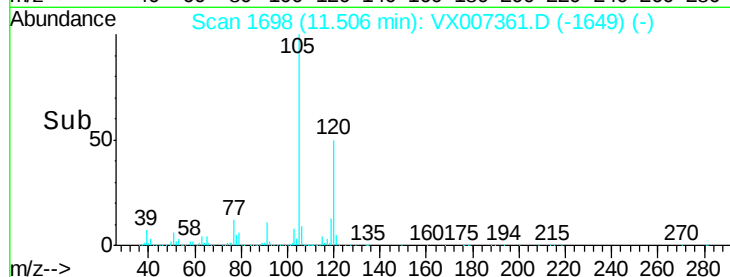
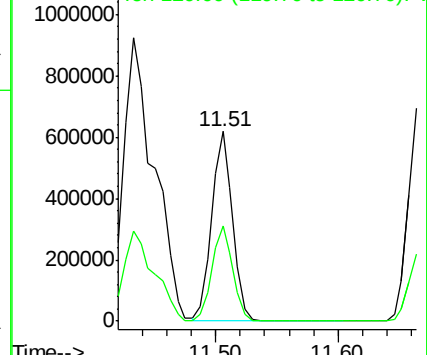
105 100

120 50.3 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 65.559 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

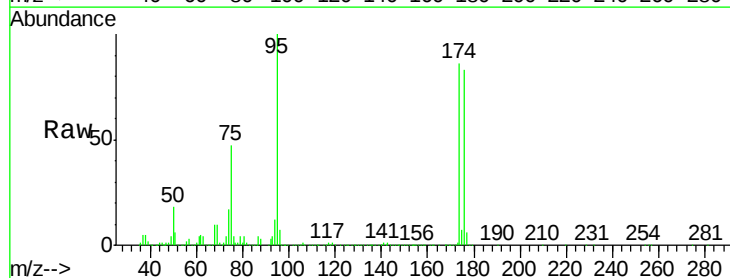
Tgt Ion: 75 Resp: 168862

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

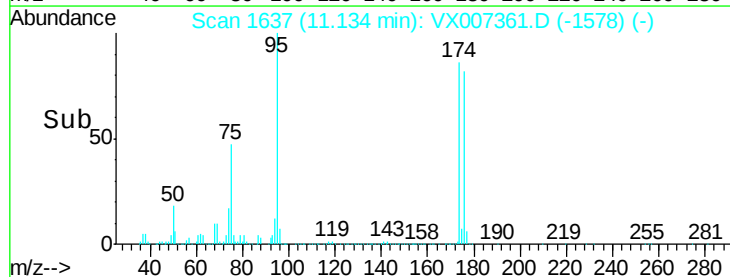
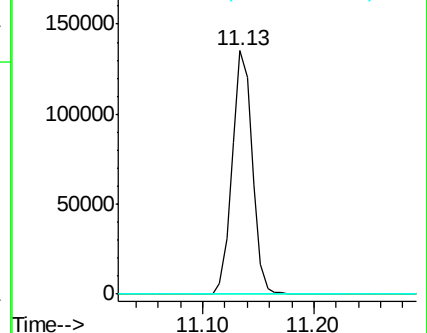
89 0.1 41.4 62.0#

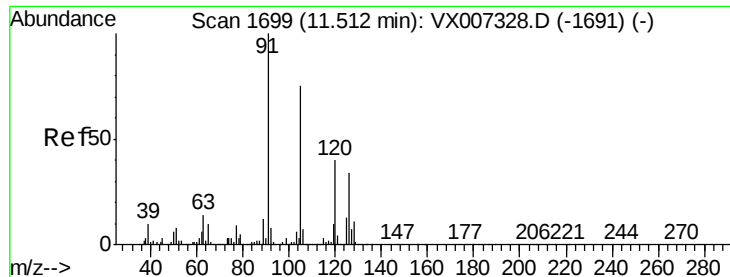


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#82

4-Chlorotoluene

Concen: 3.738 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

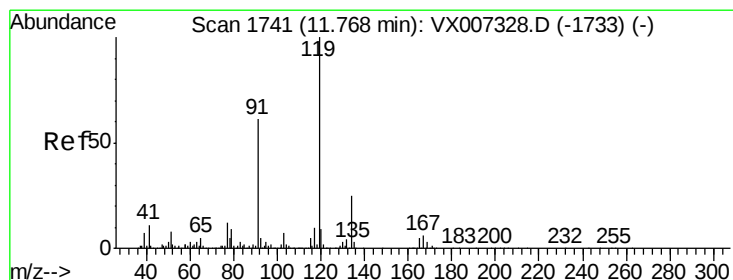
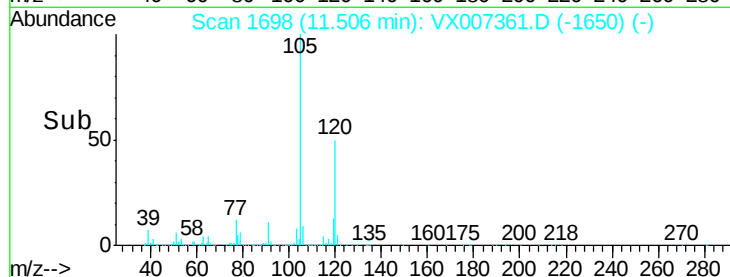
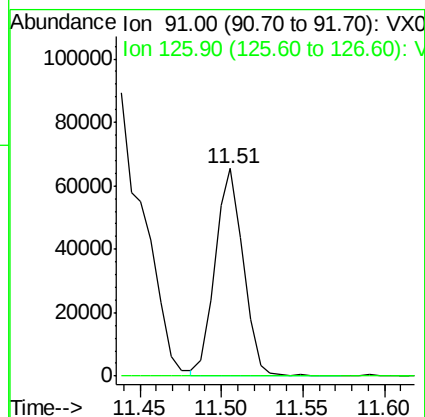
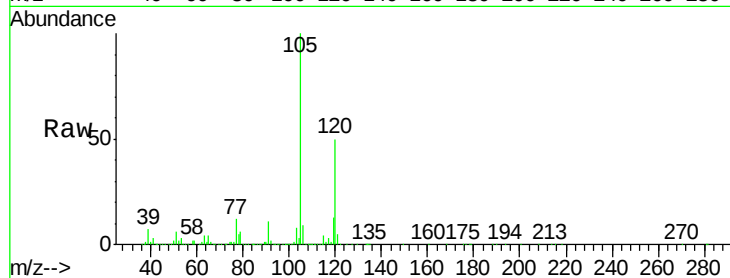
RBR-200034

Tot Ion: 91 Resp: 78321

Ion Ratio Lower Upper

91 100

126 0.2 16.2 48.5#



#83

tert-Butylbenzene

Concen: 22.278 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.04 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

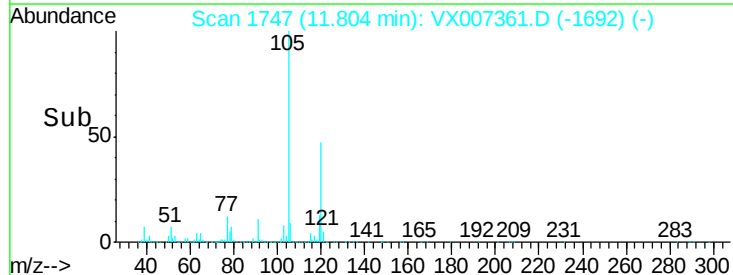
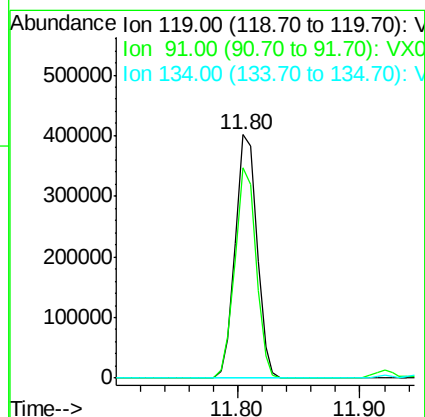
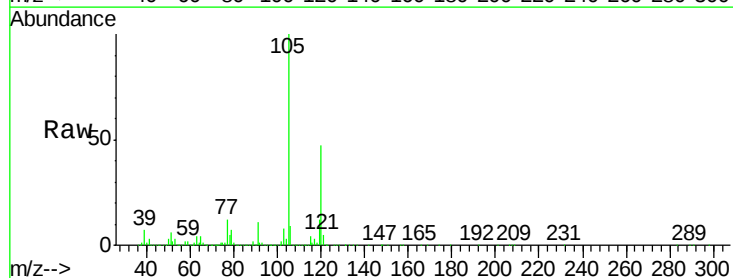
Tgt Ion: 119 Resp: 491142

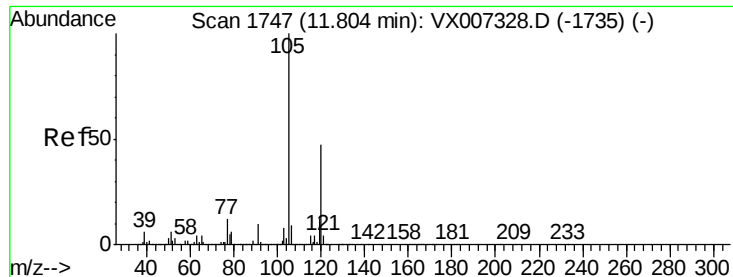
Ion Ratio Lower Upper

119 100

91 84.3 28.5 85.6

134 0.1 12.0 36.0#





#84

1,2,4-Trimethylbenzene

Concen: 173.884 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

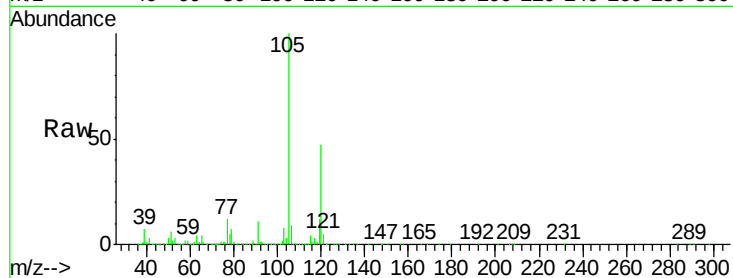
RBR-200034

Tot Ion:105 Resp: 3930841

Ion Ratio Lower Upper

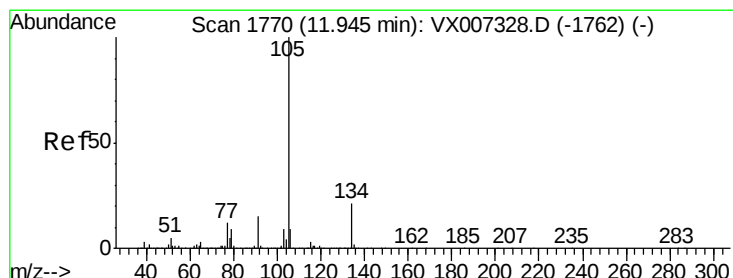
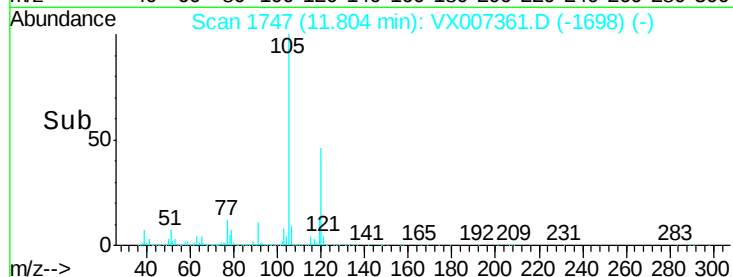
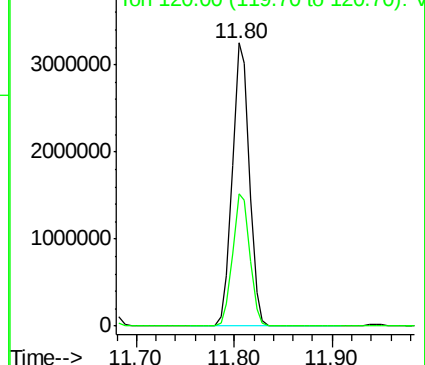
105 100

120 47.3 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 147.322 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX007361.D

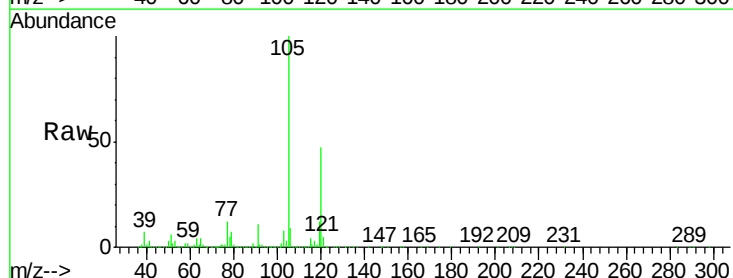
Acq: 04 Feb 2019 16:03

Tgt Ion:105 Resp: 3930841

Ion Ratio Lower Upper

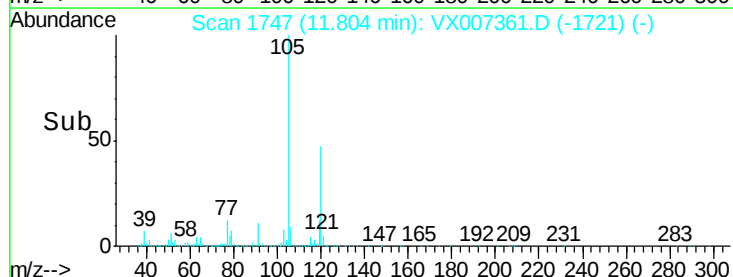
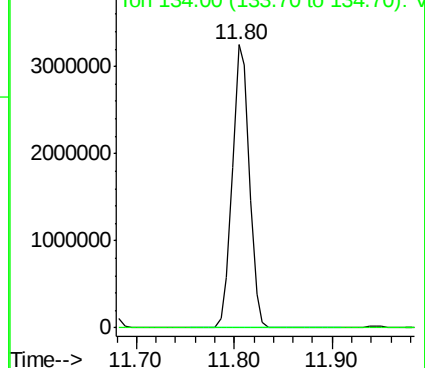
105 100

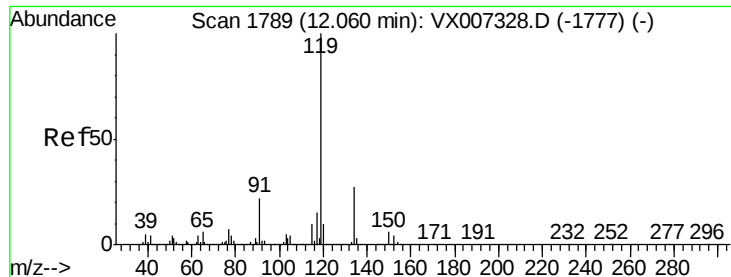
134 0.0 10.6 31.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

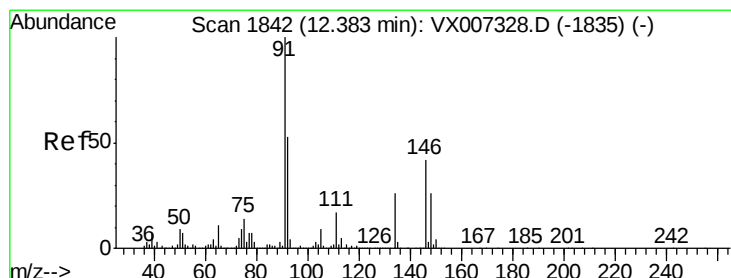
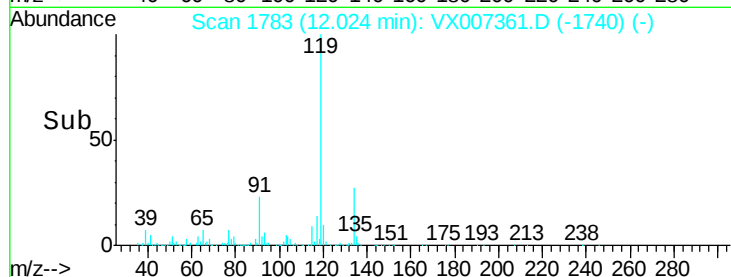
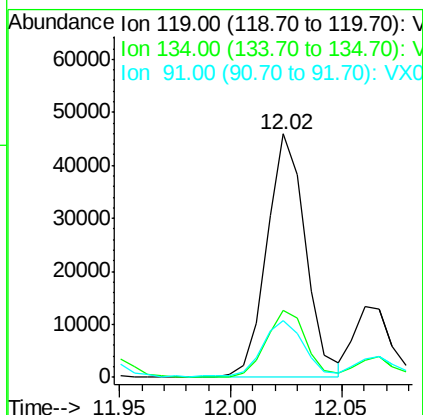
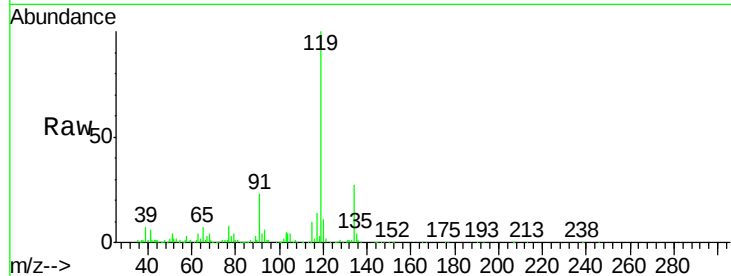




#86
p-Isopropyltoluene
Concen: 2.293 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.04 min
Lab File: VX007361.D
Acq: 04 Feb 2019 16:03

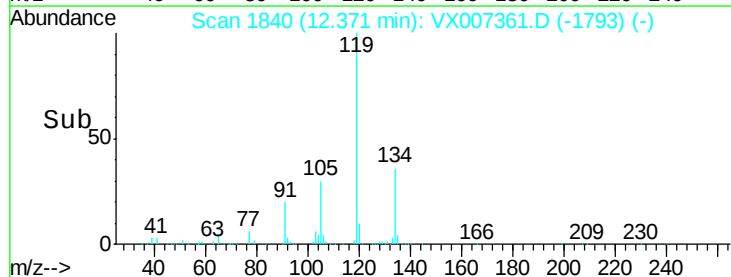
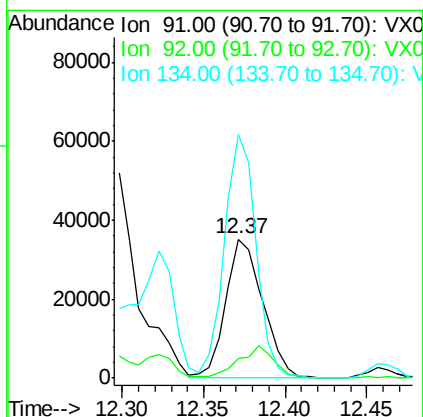
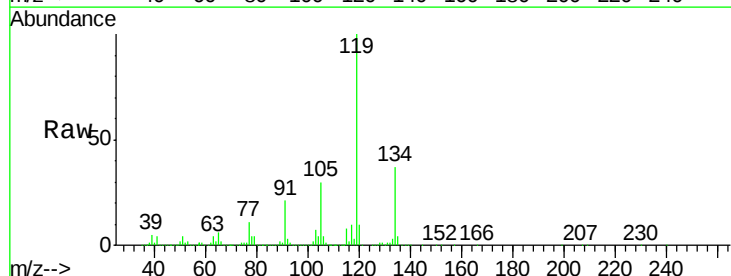
Instrument :
MSVOA_X
ClientSampleId :
RBR-200034

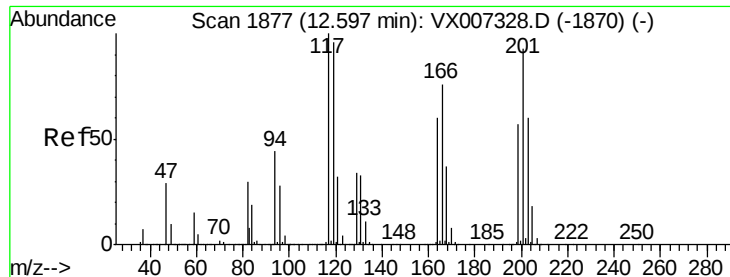
Tot Ion:119 Resp: 55240
Ion Ratio Lower Upper
119 100
134 28.6 13.7 41.1
91 24.4 11.2 33.5



#89
n-Butylbenzene
Concen: 2.659 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX007361.D
Acq: 04 Feb 2019 16:03

Tgt Ion: 91 Resp: 55087
Ion Ratio Lower Upper
91 100
92 23.0 26.3 78.9#
134 150.4 13.9 41.6#





#90

Hexachloroethane

Concen: 3.458 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

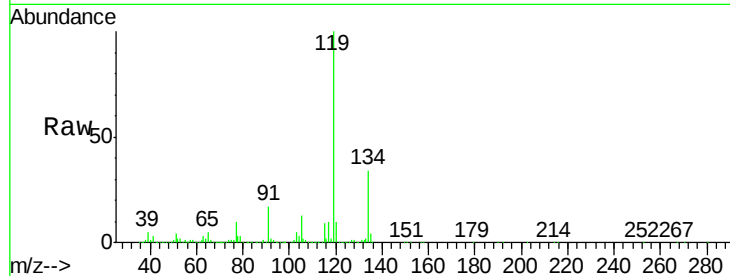
RBR-200034

Tot Ion:117 Resp: 12467

Ion Ratio Lower Upper

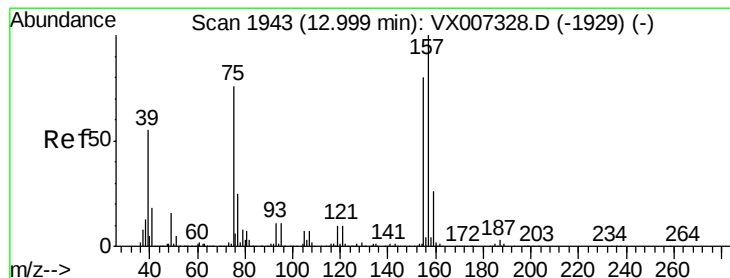
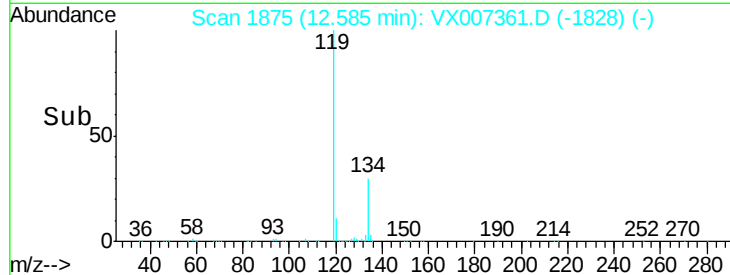
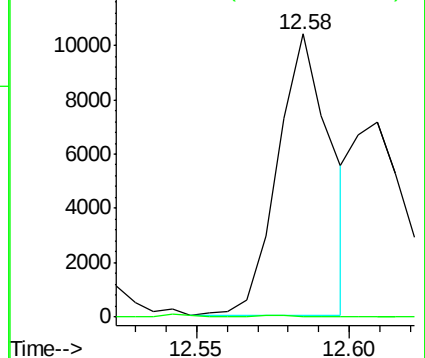
117 100

201 0.3 44.9 134.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.456 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

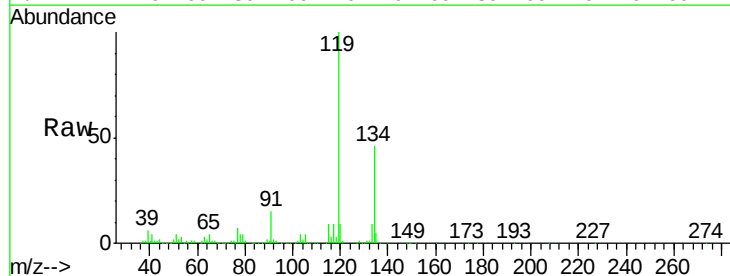
Tgt Ion: 75 Resp: 787

Ion Ratio Lower Upper

75 100

155 7.1 49.6 149.0#

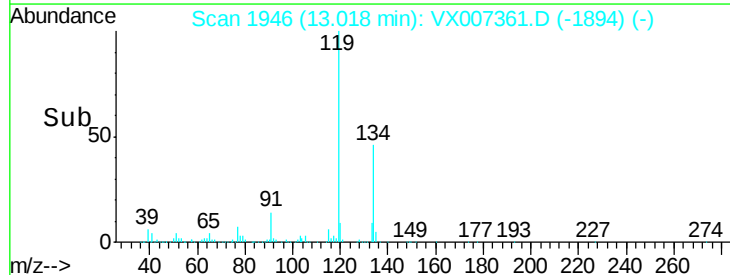
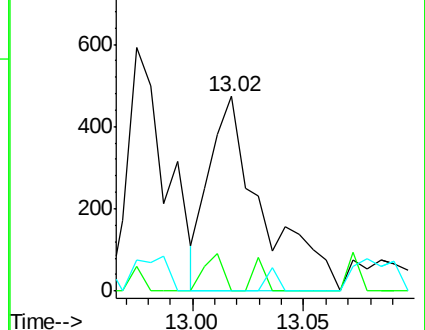
157 0.0 65.1 195.3#

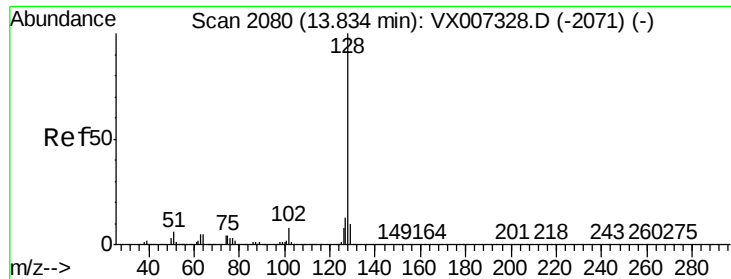


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 7.285 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007361.D

Acq: 04 Feb 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

RBR-200034

Tot Ion:128 Resp: 196767

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 10.7 8.7 13.1

