

Data File : VW013426.D
Acq On : 03 Oct 2019 17:28
Operator : SY/VA
Sample : K5176-15RE
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR-200055-RT-1868

Quant Time: Oct 04 08:29:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	29186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	38411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	26916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	6568	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	10707	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
35) Dibromofluoromethane	7.89	113	10912	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
50) Toluene-d8	10.32	98	41895	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.62	95	11404	40.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.22	85	199	1.763	ug/l #	44
3) Chloromethane	2.21	50	430	2.308	ug/l	95
7) Trichlorofluoromethane	3.26	101	613	5.345	ug/l #	79
11) Tert butyl alcohol	5.14	59	1905	89.752	ug/l #	81
12) 1,1-Dichloroethene	4.04	96	580	2.159	ug/l #	41
13) Acrolein	3.91	56	152	17.184	ug/l #	13
16) Acetone	4.12	43	16350	244.769	ug/l	97
17) Carbon Disulfide	4.38	76	3446	4.598	ug/l	95
18) Methyl Acetate	4.67	43	245	1.567	ug/l #	67
20) Methylene Chloride	4.92	84	17942	64.873	ug/l	98
25) 2-Butanone	7.18	43	6415	75.053	ug/l #	85
26) 2,2-Dichloropropane	7.13	77	1222	2.956	ug/l #	52
28) Bromochloromethane	7.68	49	9831	58.161	ug/l #	10
29) Tetrahydrofuran	7.69	42	2361	55.343	ug/l #	1
30) Chloroform	7.68	83	134742	293.929	ug/l	92
31) Cyclohexane	7.92	56	130779	262.309	ug/l #	44
37) Ethyl Acetate	7.18	43	6415	40.769	ug/l #	70
38) Carbon Tetrachloride	7.95	117	2334	7.552	ug/l #	14
39) Methylcyclohexane	9.34	83	14584	31.040	ug/l	88
40) Benzene	8.33	78	4335	4.292	ug/l	98
41) Methacrylonitrile	7.52	41	591	6.225	ug/l #	24
43) Isopropyl Acetate	8.42	43	52404	176.834	ug/l #	50
47) Bromodichloromethane	9.62	83	519	1.746	ug/l #	26
48) Methyl methacrylate	9.48	41	255	1.791	ug/l #	13
51) 4-Methyl-2-Pentanone	10.21	43	7191	46.185	ug/l	94
52) Toluene	10.39	92	372006	571.086	ug/l	99
53) t-1,3-Dichloropropene	10.39	75	4006	12.953	ug/l #	1
55) 1,1,2-Trichloroethane	10.77	97	2543	14.114	ug/l #	22
56) Ethyl methacrylate	10.63	69	358	1.476	ug/l #	25
59) 2-Hexanone	10.93	43	2489	23.064	ug/l #	25
64) Tetrachloroethene	10.86	164	252	1.231	ug/l #	65
65) Chlorobenzene	11.65	112	1285	2.330	ug/l #	79
67) Ethyl Benzene	11.73	91	18883	19.107	ug/l	94
68) m/p-Xylenes	11.84	106	34735	91.056	ug/l	99

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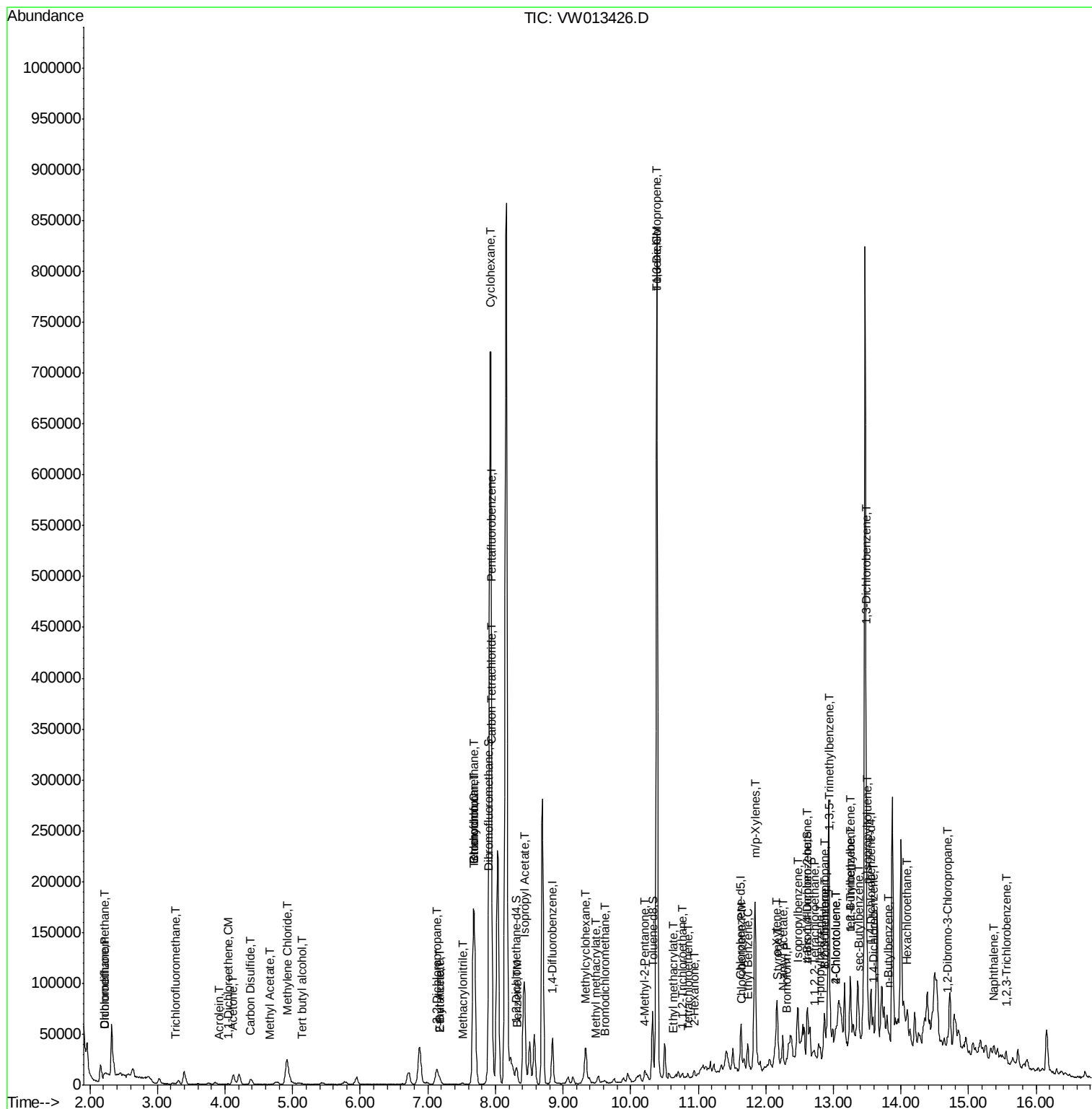
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) o-Xylene	12.16	106	16592	47.043	ug/l	93
70) Styrene	12.18	104	4593	7.618	ug/l #	45
71) Bromoform	12.31	173	355	3.486	ug/l #	57
73) Isopropylbenzene	12.47	105	5567	11.587	ug/l	92
74) N-amyl acetate	12.25	43	7450	72.864	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.73	83	257	3.160	ug/l #	15
76) 1,2,3-Trichloropropane	12.87	75	218	3.735	ug/l #	100
77) Bromobenzene	12.87	156	4527	39.242	ug/l #	11
78) n-propylbenzene	12.80	91	8001	14.478	ug/l	83
79) 2-Chlorotoluene	13.02	91	856	2.789	ug/l	78
80) 1,3,5-Trimethylbenzene	12.94	105	11884	29.778	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.62	75	4900	167.705	ug/l #	16
82) 4-Chlorotoluene	13.02	91	856	2.662	ug/l	77
83) tert-Butylbenzene	13.25	119	4809	13.795	ug/l #	45
84) 1,2,4-Trimethylbenzene	13.25	105	38423	96.846	ug/l	99
85) sec-Butylbenzene	13.38	105	7863	16.360	ug/l #	75
86) p-Isopropyltoluene	13.50	119	40412	90.729	ug/l #	78
87) 1,3-Dichlorobenzene	13.49	146	254	1.170	ug/l #	1
88) 1,4-Dichlorobenzene	13.60	146	350	1.611	ug/l #	1
89) n-Butylbenzene	13.82	91	8702	21.670	ug/l #	74
90) Hexachloroethane	14.10	117	1476	20.058	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.68	75	62	5.097	ug/l	93
95) Naphthalene	15.36	128	3132	13.484	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.57	180	377	3.136	ug/l #	4

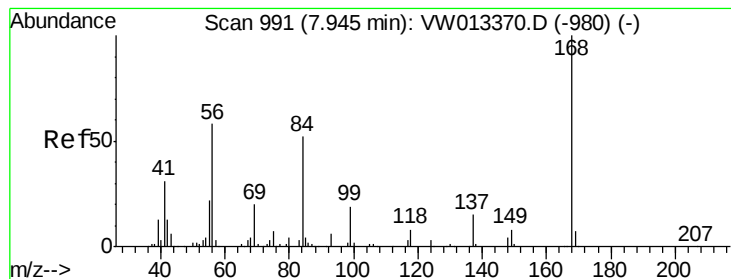
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

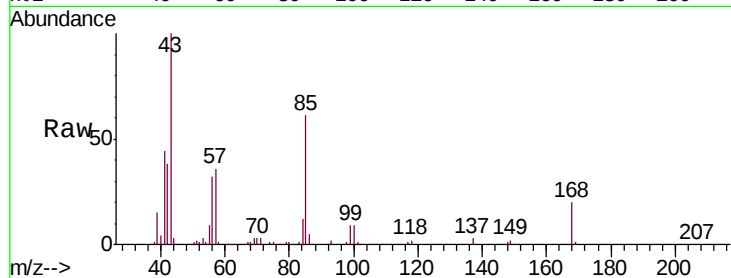
RBR-200055-RT-1868

Tgt Ion:168 Resp: 29186

Ion Ratio Lower Upper

168 100

99 46.8 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

15000

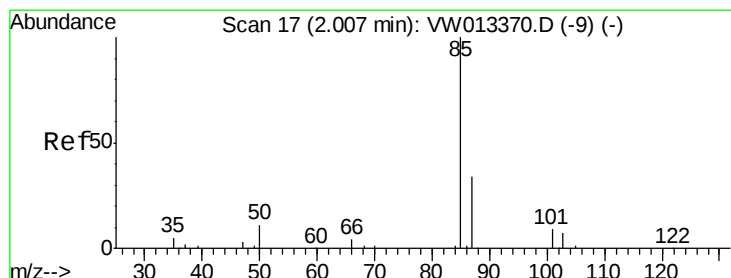
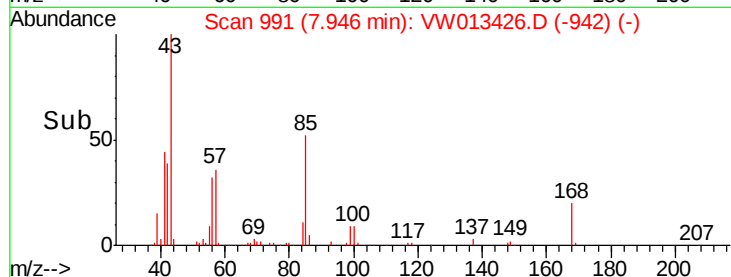
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 1.763 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.21 min

Lab File: VW013426.D

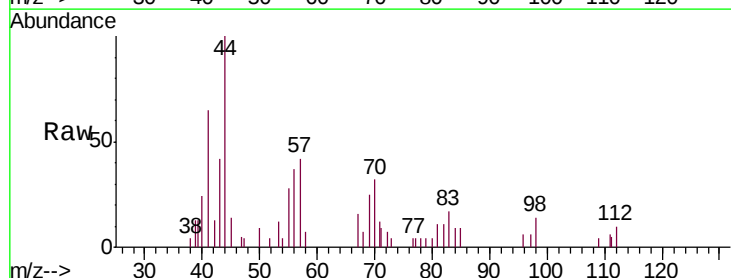
Acq: 03 Oct 2019 17:28

Tgt Ion: 85 Resp: 199

Ion Ratio Lower Upper

85 100

87 0.0 15.1 45.3#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.22

150

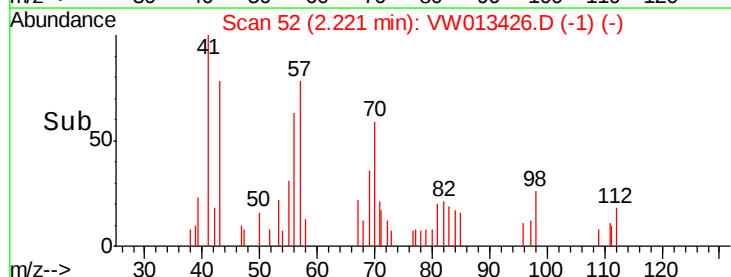
100

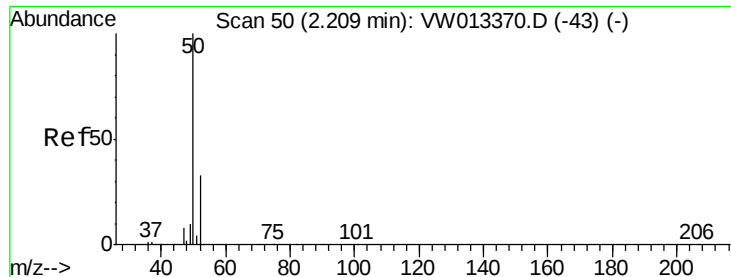
50

0

2.18 2.20 2.22 2.24

Time-->





#3

Chloromethane

Concen: 2.308 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

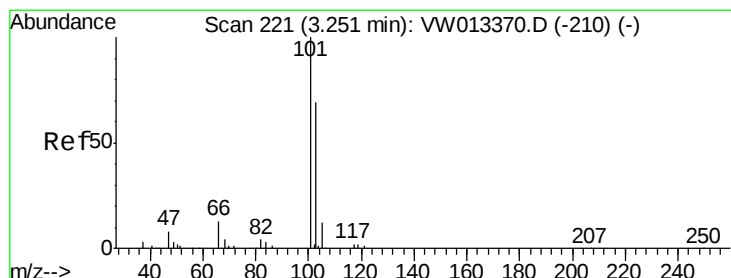
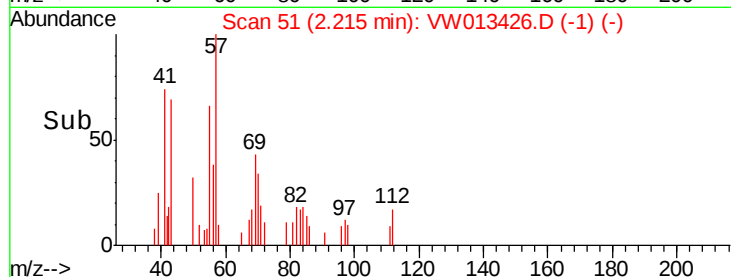
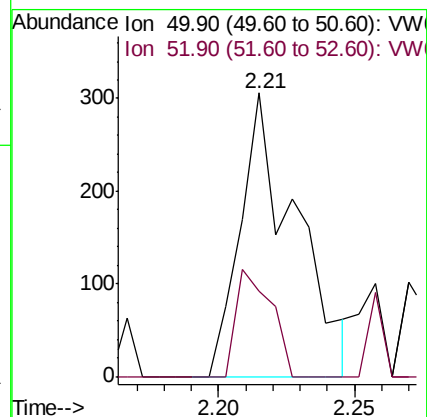
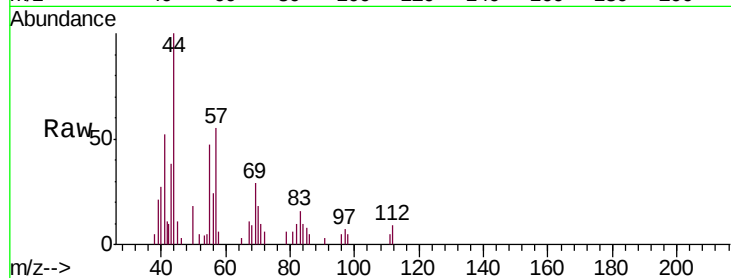
RBR-200055-RT-1868

Tgt Ion: 50 Resp: 430

Ion Ratio Lower Upper

50 100

52 30.1 26.1 39.1



#7

Trichlorofluoromethane

Concen: 5.345 ug/l

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW013426.D

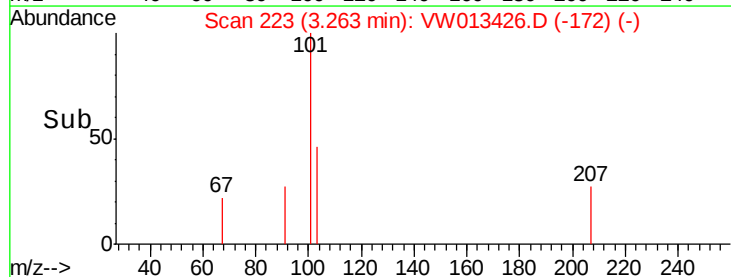
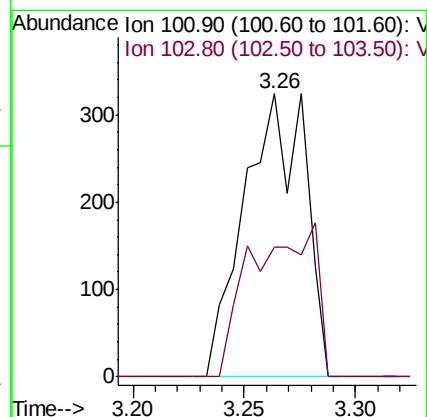
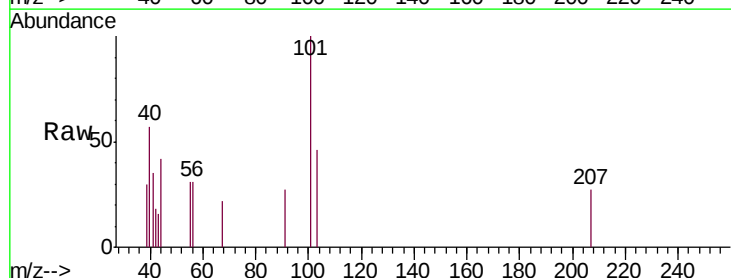
Acq: 03 Oct 2019 17:28

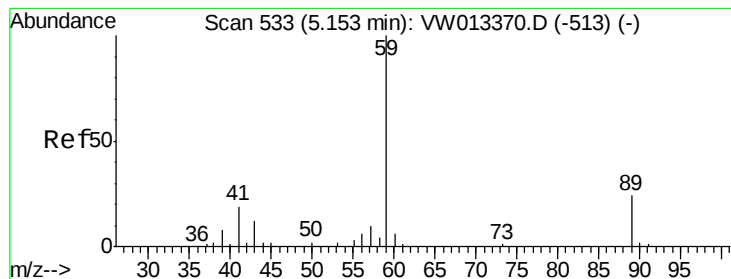
Tgt Ion: 101 Resp: 613

Ion Ratio Lower Upper

101 100

103 46.0 49.7 74.5#





#11

Tert butyl alcohol

Concen: 89.752 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.01 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

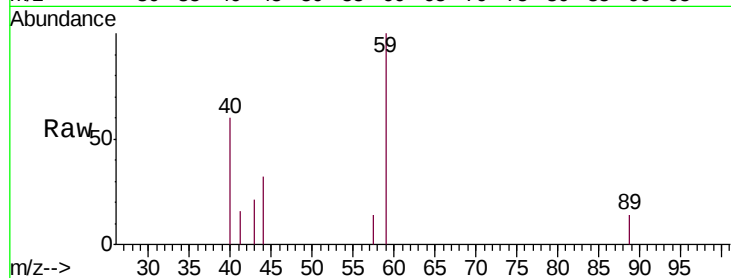
RBR-200055-RT-1868

Tgt Ion: 59 Resp: 1905

Ion Ratio Lower Upper

59 100

57 3.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

600

400

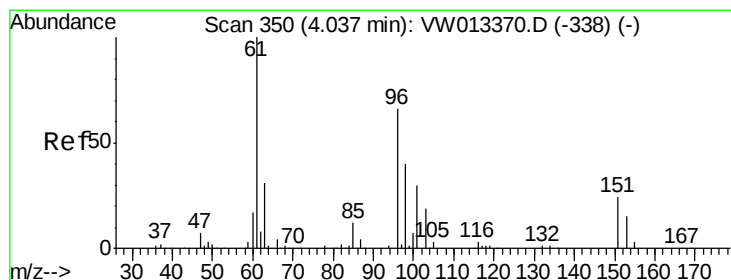
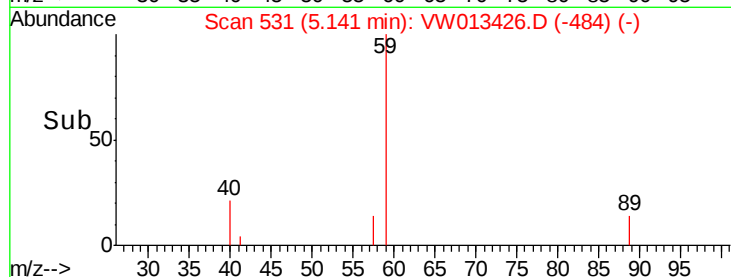
200

0

5.10

5.20

Time-->



#12

1,1-Dichloroethene

Concen: 2.159 ug/l

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

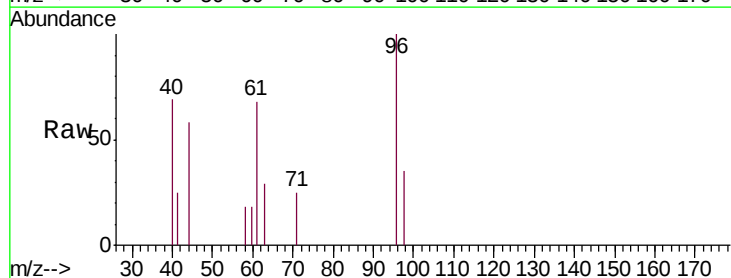
Tgt Ion: 96 Resp: 580

Ion Ratio Lower Upper

96 100

61 67.9 125.1 187.7#

98 34.6 50.8 76.2#



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

400

300

200

100

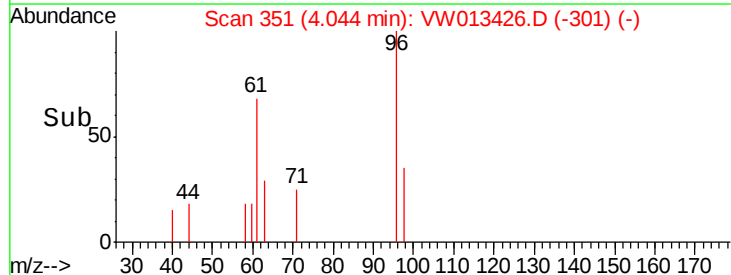
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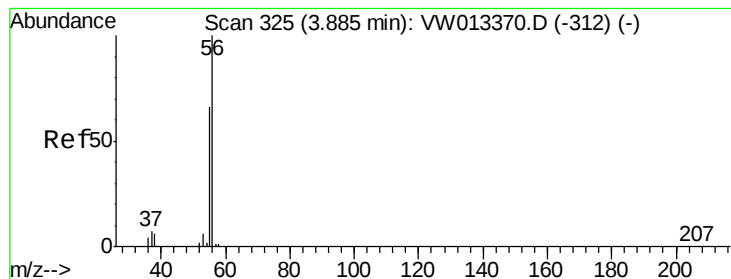
4.00

4.05

4.10

Time-->





#13

Acrolein

Concen: 17.184 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

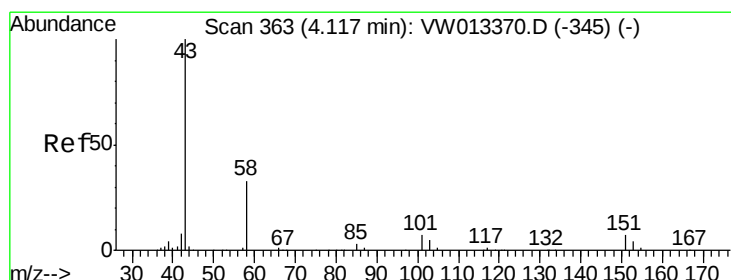
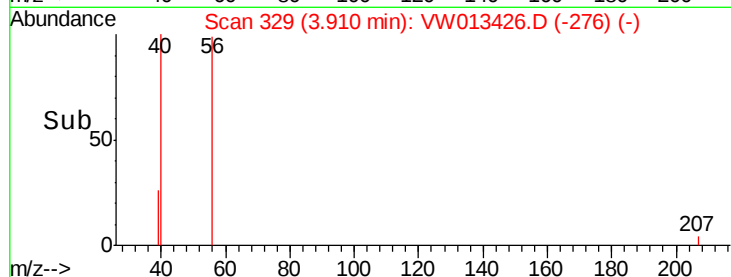
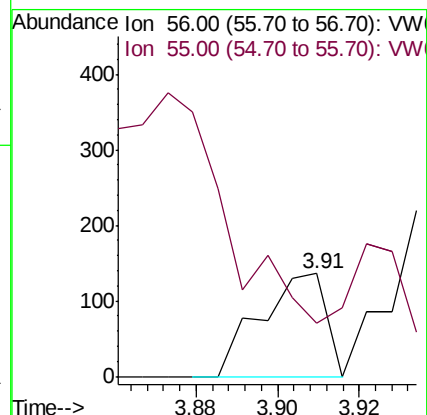
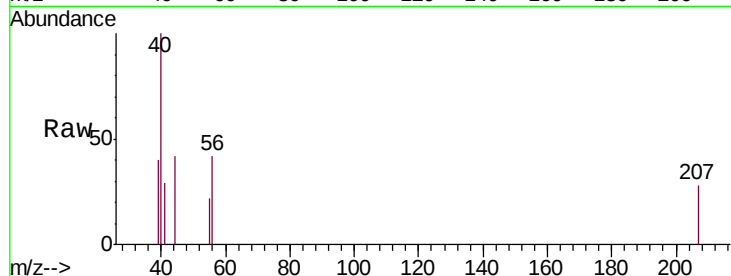
RBR-200055-RT-1868

Tgt Ion: 56 Resp: 152

Ion Ratio Lower Upper

56 100

55 140.1 55.4 83.0#



#16

Acetone

Concen: 244.769 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013426.D

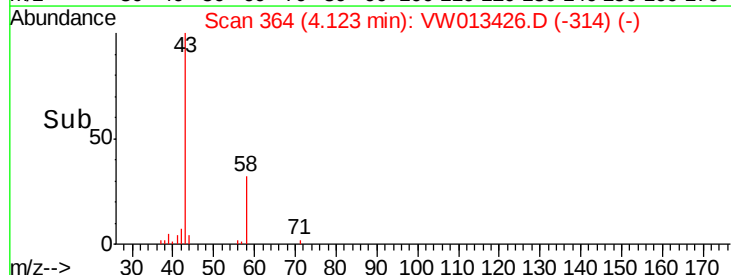
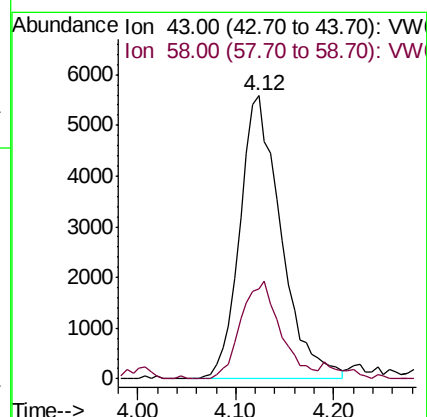
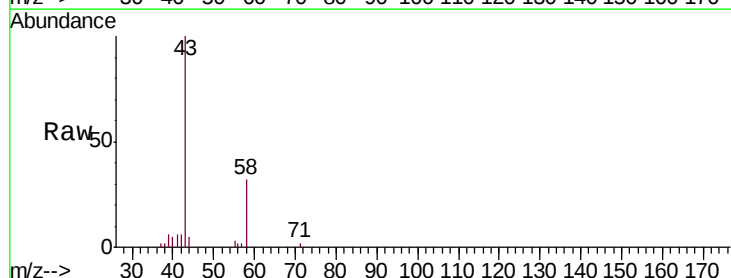
Acq: 03 Oct 2019 17:28

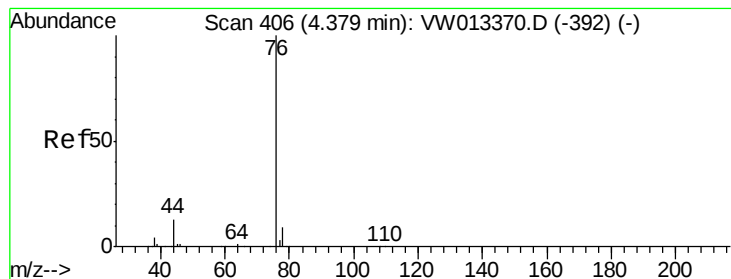
Tgt Ion: 43 Resp: 16350

Ion Ratio Lower Upper

43 100

58 31.6 24.1 36.1





#17

Carbon Disulfide

Concen: 4.598 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

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ClientSampleId :

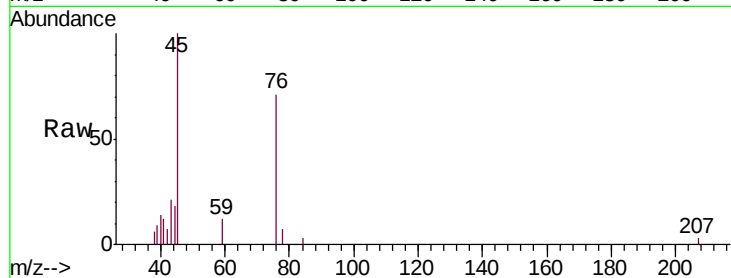
RBR-200055-RT-1868

Tgt Ion: 76 Resp: 3446

Ion Ratio Lower Upper

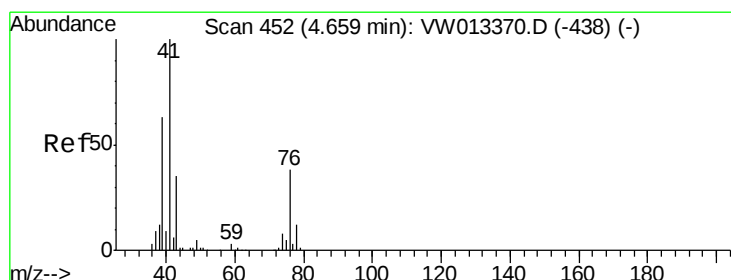
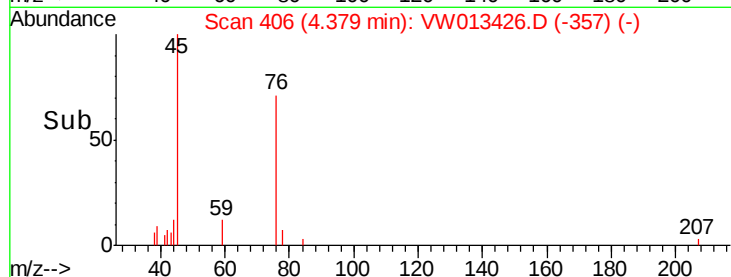
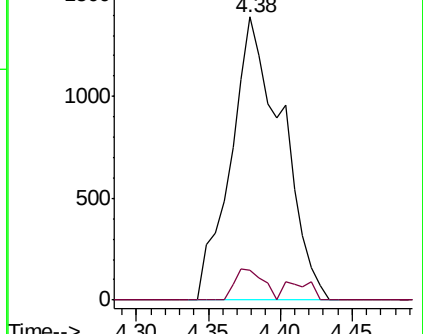
76 100

78 10.4 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 1.567 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013426.D

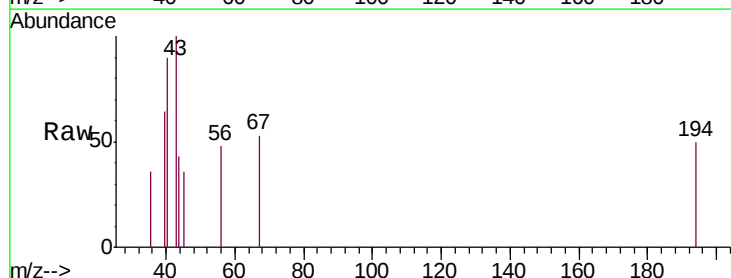
Acq: 03 Oct 2019 17:28

Tgt Ion: 43 Resp: 245

Ion Ratio Lower Upper

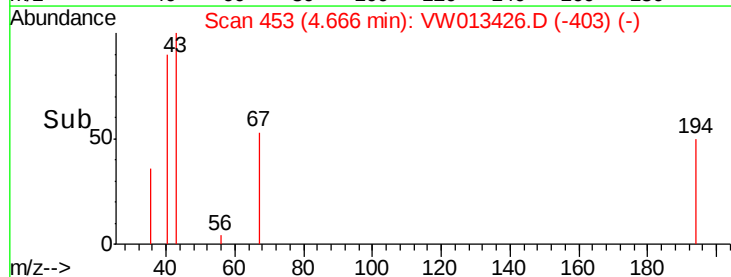
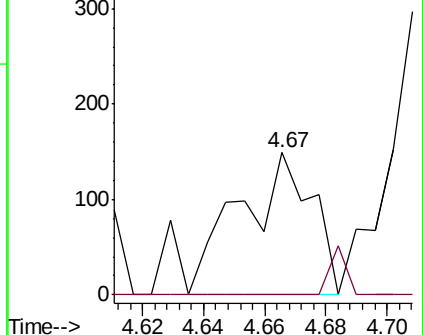
43 100

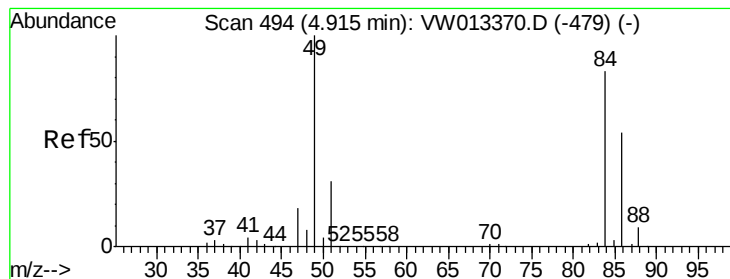
74 7.8 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methylene Chloride

Concen: 64.873 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

Instrument :

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ClientSampleId :

RBR-200055-RT-1868

Tgt Ion: 84 Resp: 17942

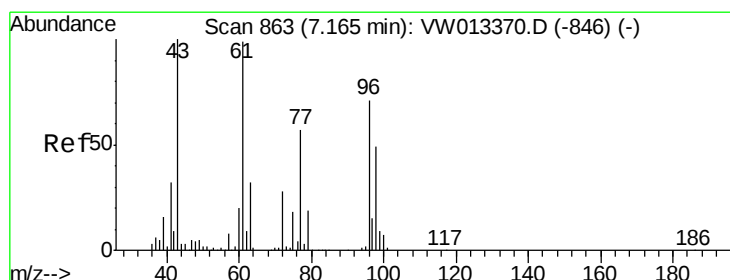
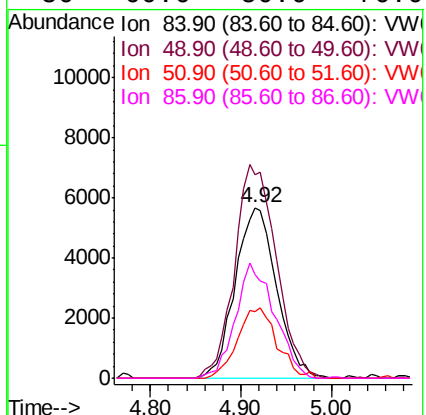
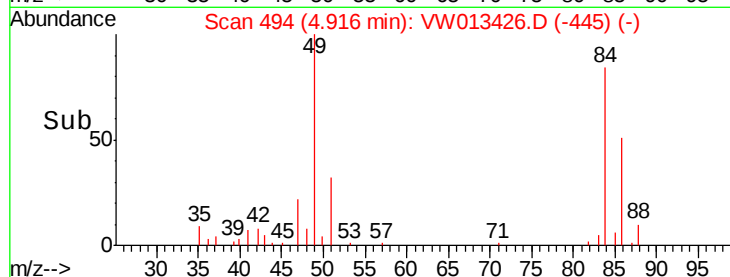
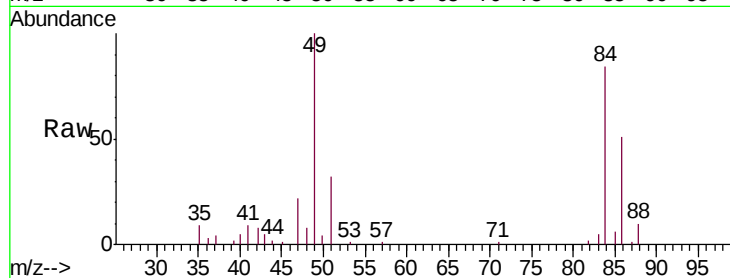
Ion Ratio Lower Upper

84 100

49 119.6 97.6 146.4

51 38.7 30.2 45.2

86 60.6 50.6 76.0



#25

2-Butanone

Concen: 75.053 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013426.D

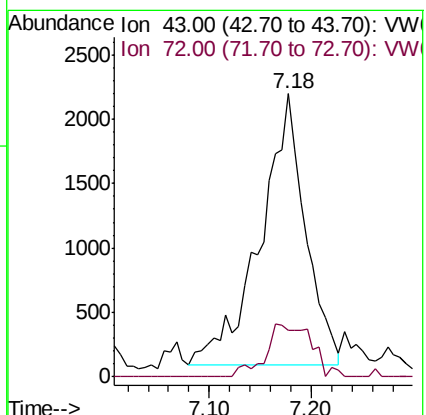
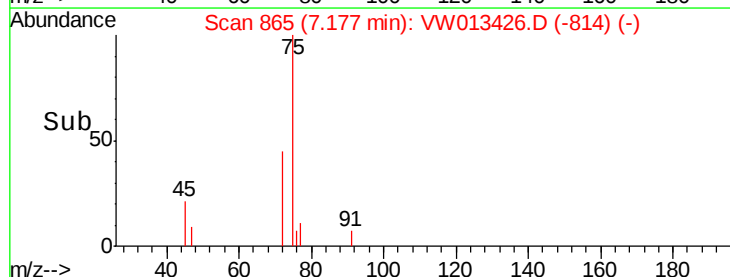
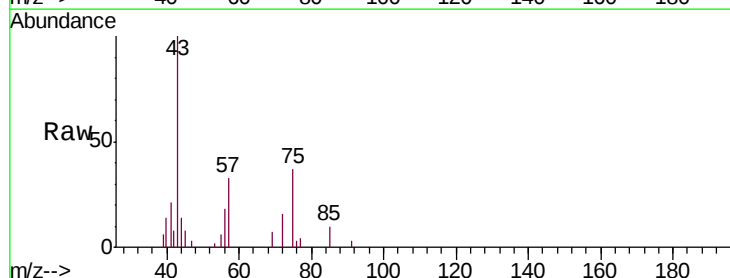
Acq: 03 Oct 2019 17:28

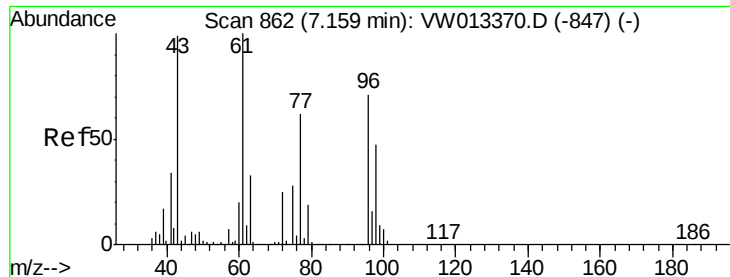
Tgt Ion: 43 Resp: 6415

Ion Ratio Lower Upper

43 100

72 17.0 19.4 29.0#





#26

2,2-Dichloropropane

Concen: 2.956 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

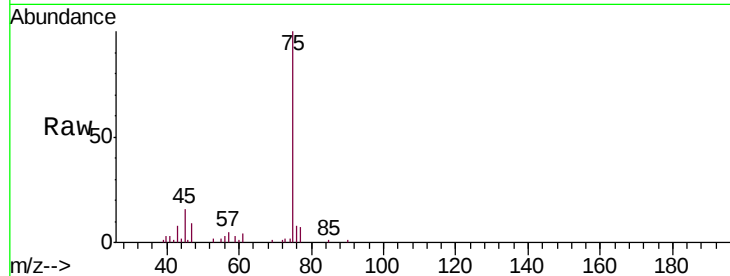
RBR-200055-RT-1868

Tgt Ion: 77 Resp: 1222

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.13

600

500

400

300

200

100

0

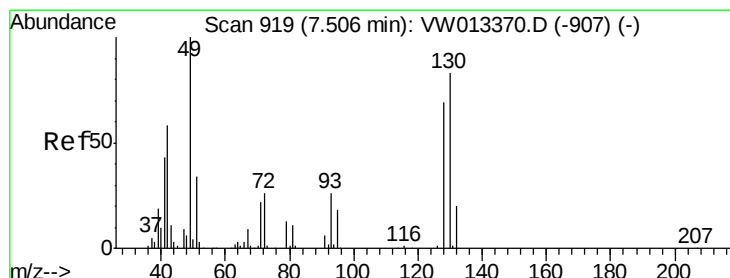
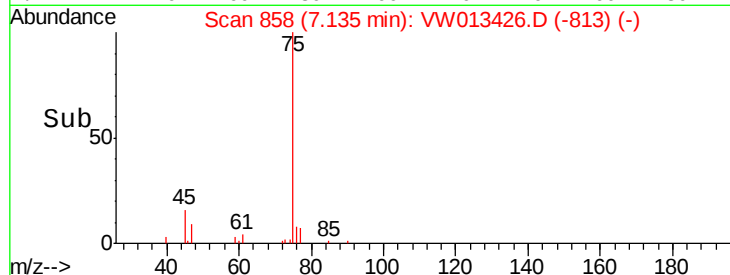
7.05

7.10

7.15

7.20

Time-->



#28

Bromochloromethane

Concen: 58.161 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.17 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

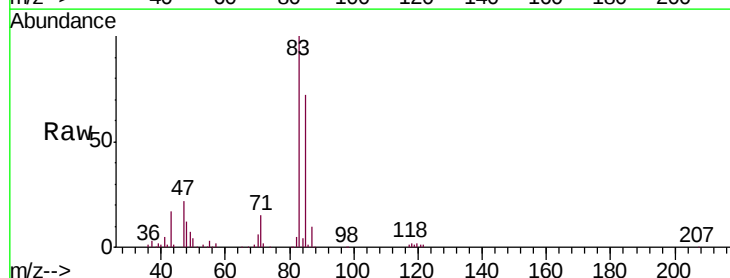
Tgt Ion: 49 Resp: 9831

Ion Ratio Lower Upper

49 100

129 0.0 0.0 1.0

130 0.0 63.4 95.2#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

5000

4000

3000

2000

1000

0

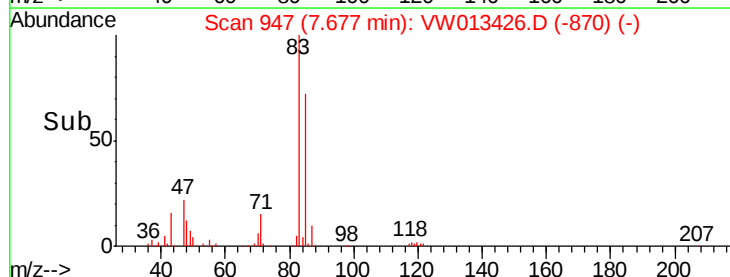
7.60

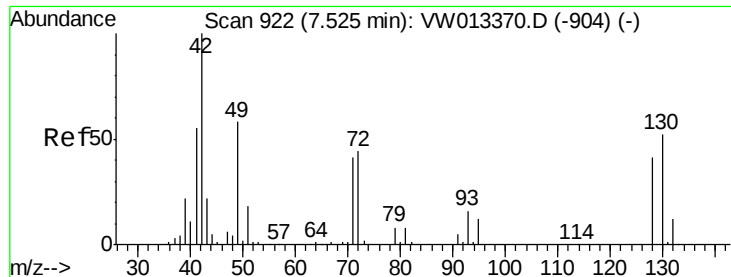
7.65

7.70

7.75

Time-->

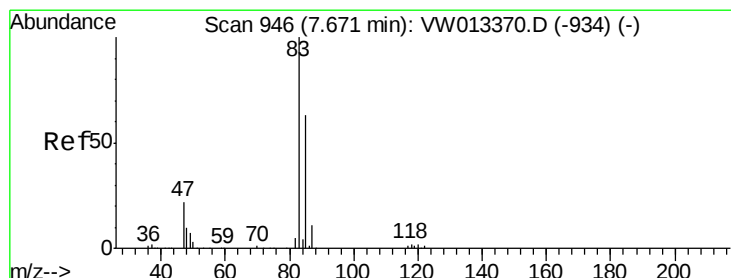
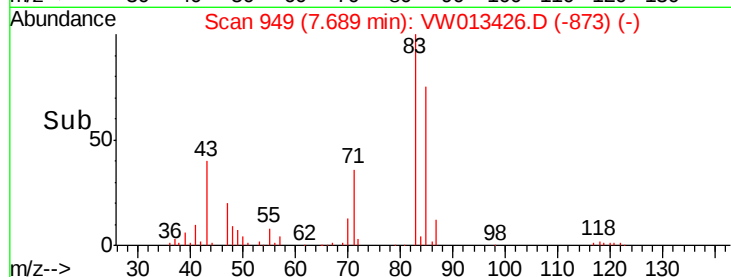
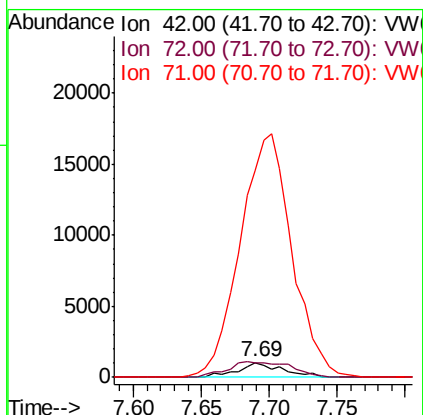
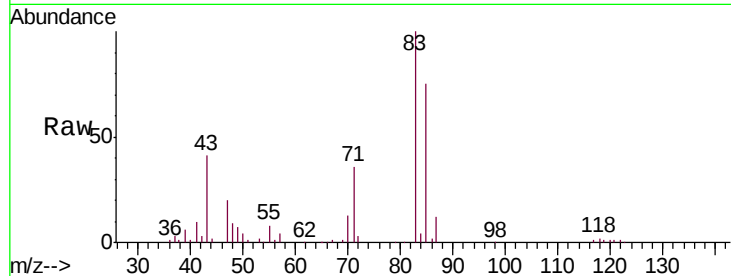




#29
Tetrahydrofuran
Concen: 55.343 ug/l
RT: 7.69 min Scan# 949
Delta R.T. 0.17 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

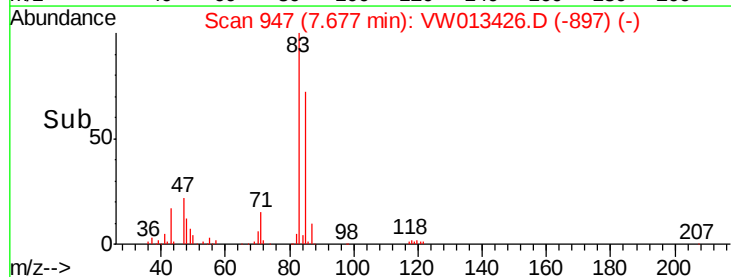
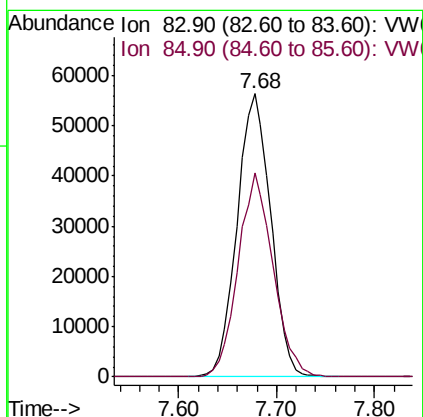
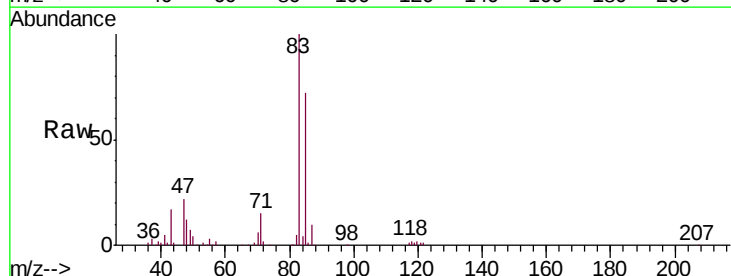
Instrument :
MSVOA_W
ClientSampleId :
RBR-200055-RT-1868

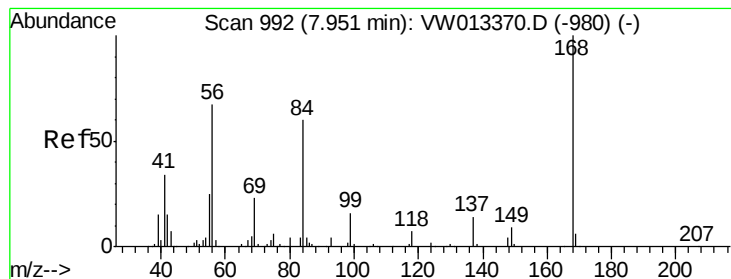
Tgt Ion: 42 Resp: 2361
Ion Ratio Lower Upper
42 100
72 152.7 33.9 50.9#
71 1929.7 31.9 47.9#



#30
Chloroform
Concen: 293.929 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

Tgt Ion: 83 Resp: 134742
Ion Ratio Lower Upper
83 100
85 71.9 52.3 78.5





#31

Cyclohexane

Concen: 262.309 ug/l

RT: 7.92 min Scan# 987

Delta R.T. -0.03 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

RBR-200055-RT-1868

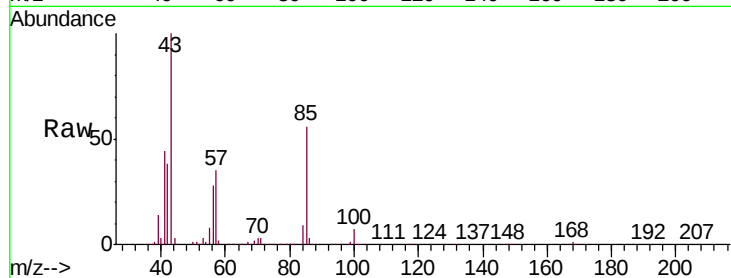
Tgt Ion: 56 Resp: 130779

Ion Ratio Lower Upper

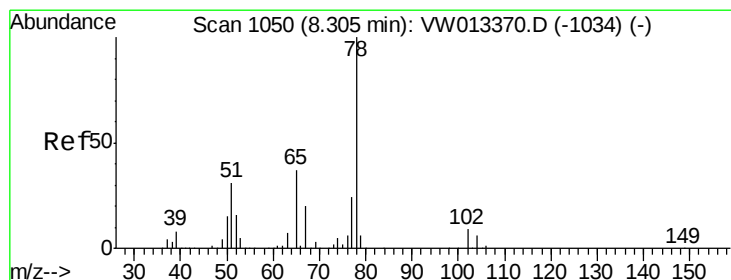
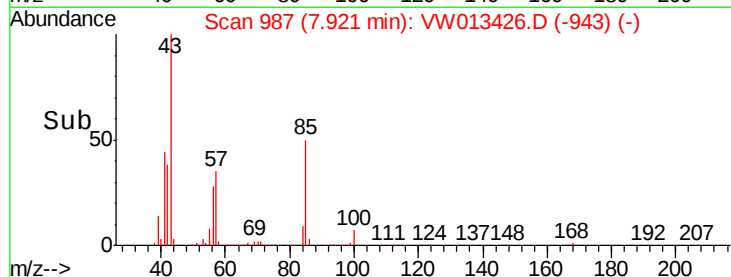
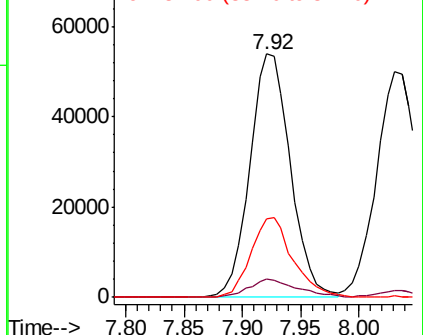
56 100

69 7.5 27.2 40.8#

84 32.2 70.8 106.2#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 49.132 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW013426.D

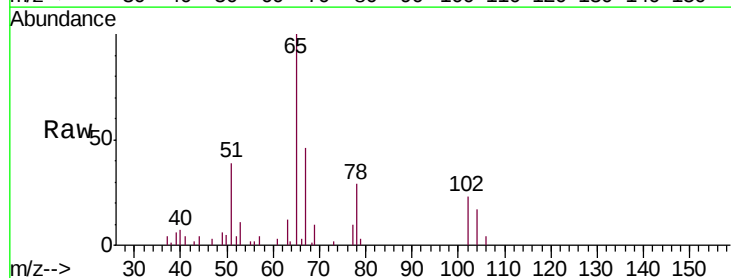
Acq: 03 Oct 2019 17:28

Tgt Ion: 65 Resp: 10707

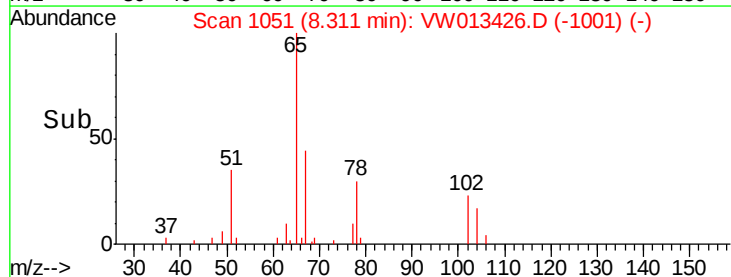
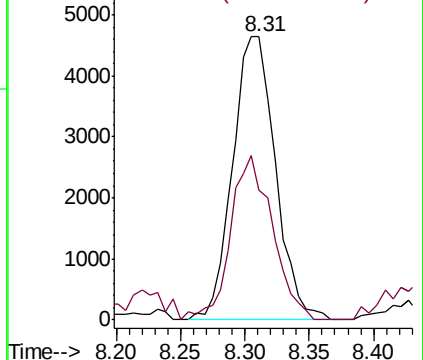
Ion Ratio Lower Upper

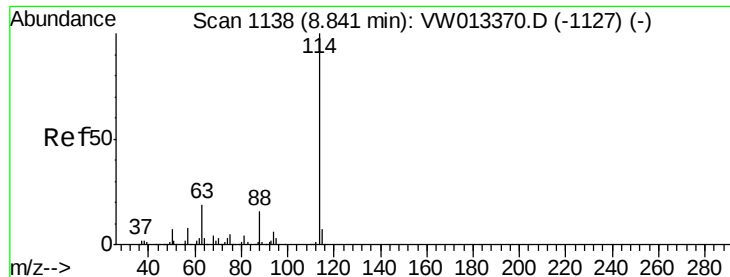
65 100

67 56.3 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

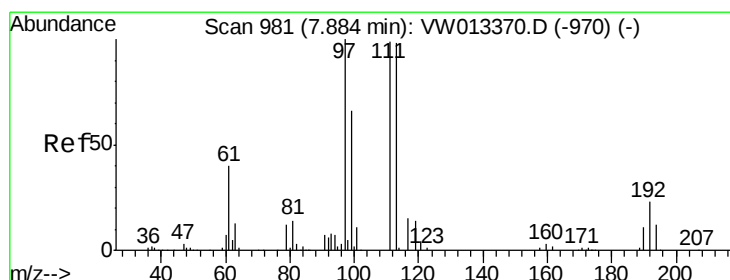
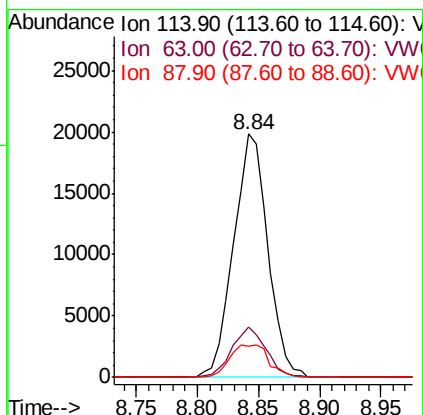
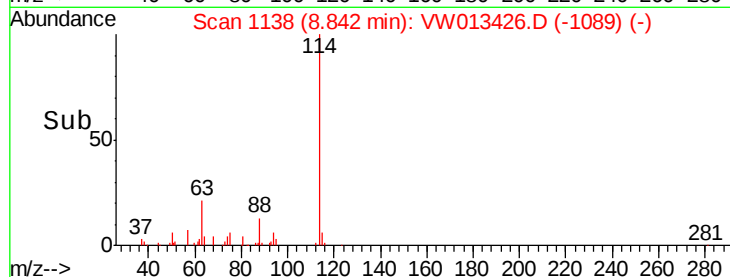
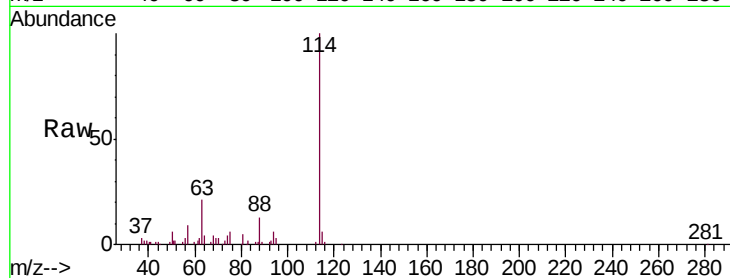




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013426.D
 Acq: 03 Oct 2019 17:28

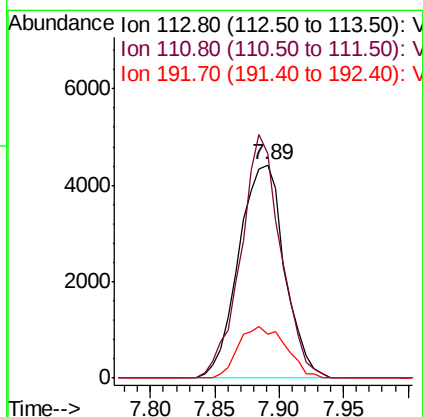
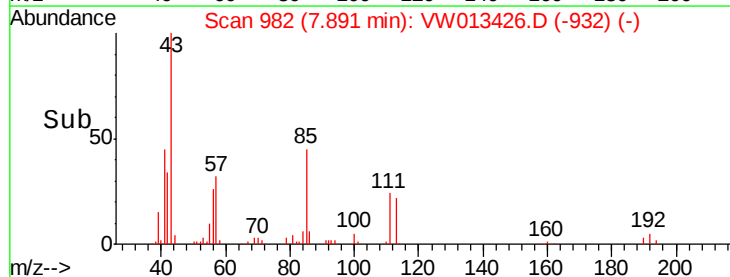
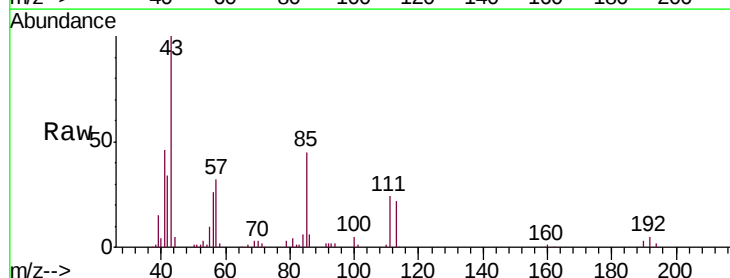
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200055-RT-1868

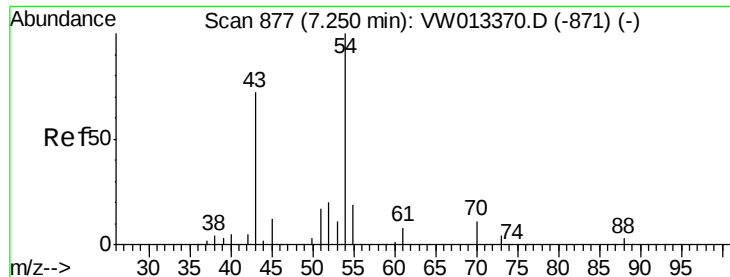
Tgt Ion:114 Resp: 38411
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.4
 88 12.7 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 54.140 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW013426.D
 Acq: 03 Oct 2019 17:28

Tgt Ion:113 Resp: 10912
 Ion Ratio Lower Upper
 113 100
 111 99.7 81.9 122.9
 192 25.0 19.1 28.7

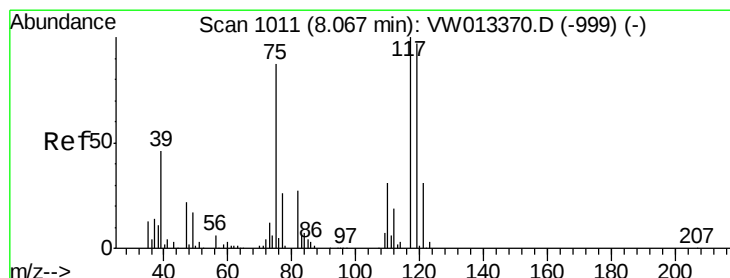
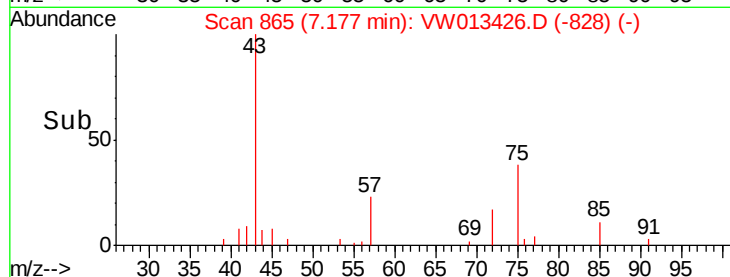
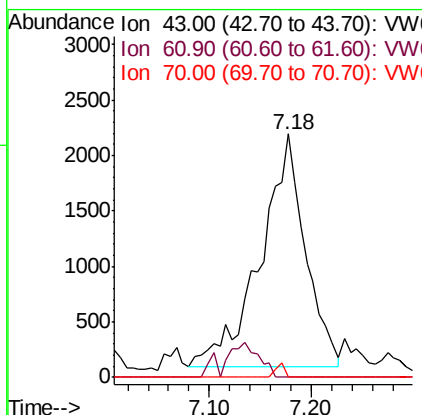
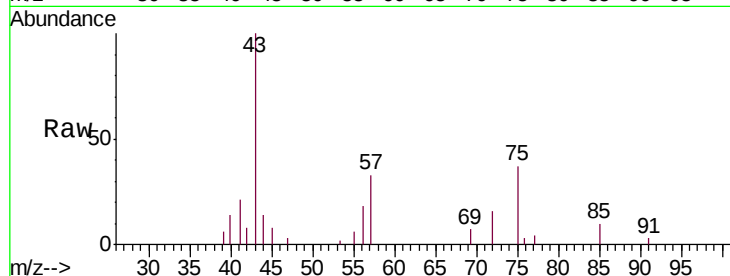




#37
Ethyl Acetate
Concen: 40.769 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

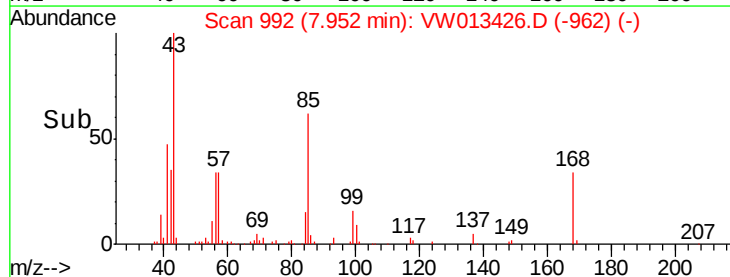
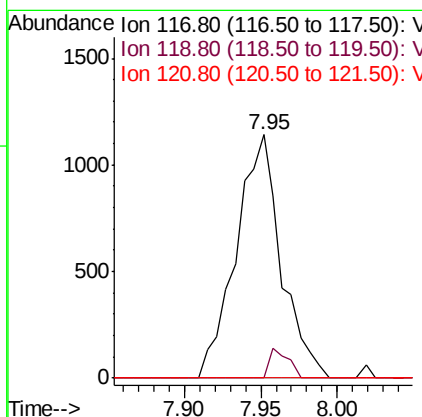
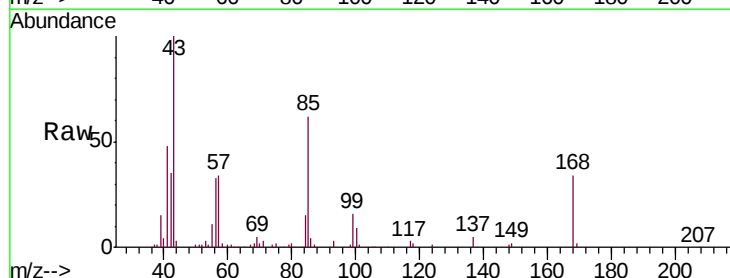
Instrument :
MSVOA_W
ClientSampleId :
RBR-200055-RT-1868

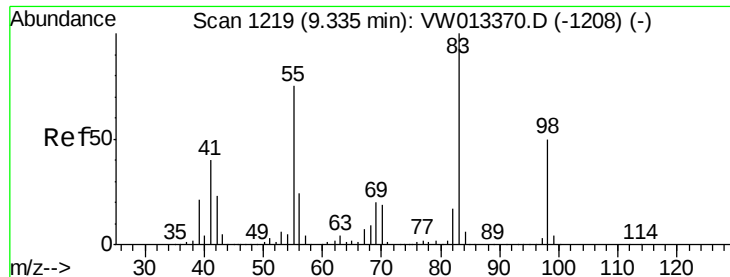
Tgt Ion: 43 Resp: 6415
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 1.1 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 7.552 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

Tgt Ion: 117 Resp: 2334
Ion Ratio Lower Upper
117 100
119 0.0 73.5 110.3#
121 0.0 25.0 37.6#

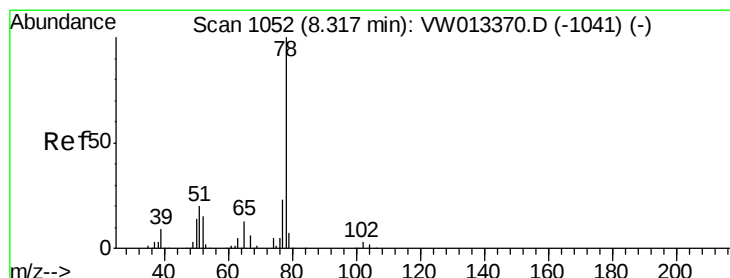
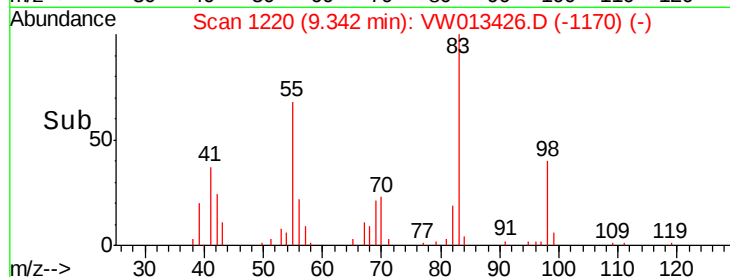
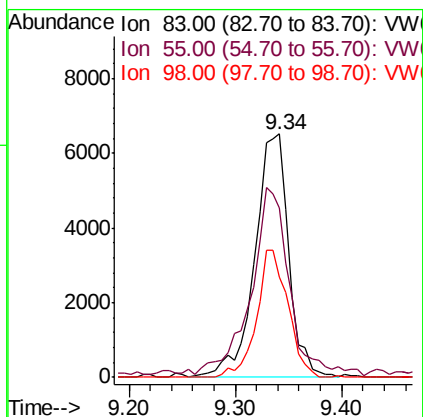
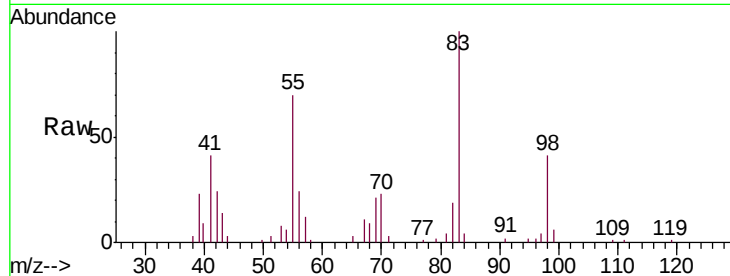




#39
Methylcyclohexane
Concen: 31.040 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

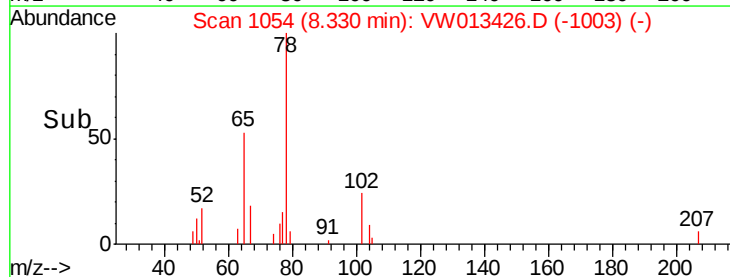
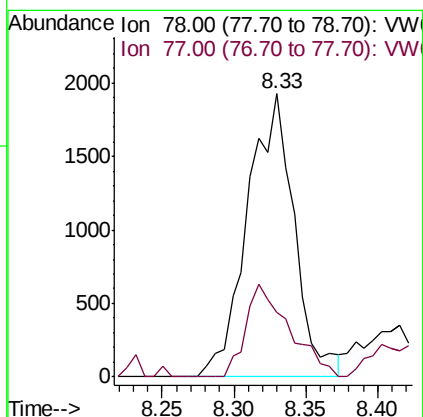
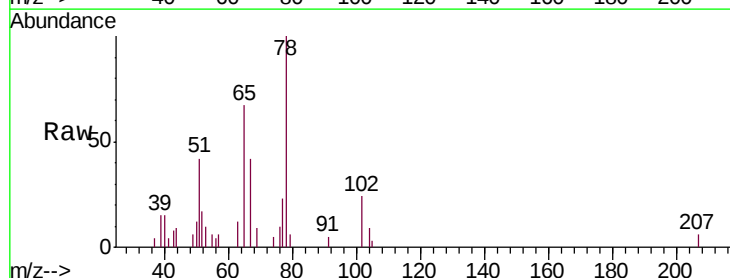
Instrument :
MSVOA_W
ClientSampleId :
RBR-200055-RT-1868

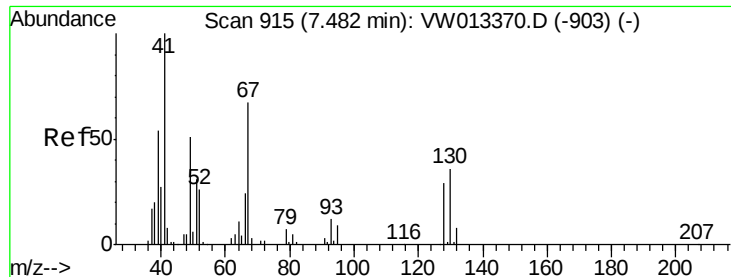
Tgt Ion: 83 Resp: 14584
Ion Ratio Lower Upper
83 100
55 66.2 60.4 90.6
98 41.4 40.0 60.0



#40
Benzene
Concen: 4.292 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

Tgt Ion: 78 Resp: 4335
Ion Ratio Lower Upper
78 100
77 22.8 19.1 28.7

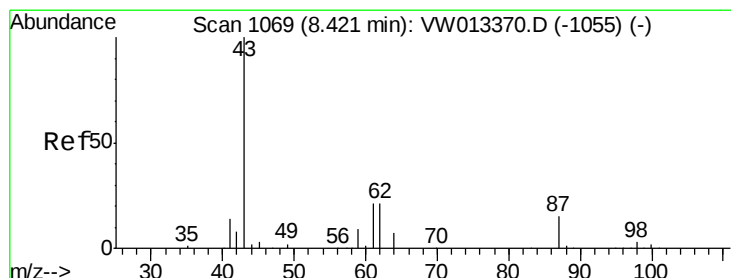
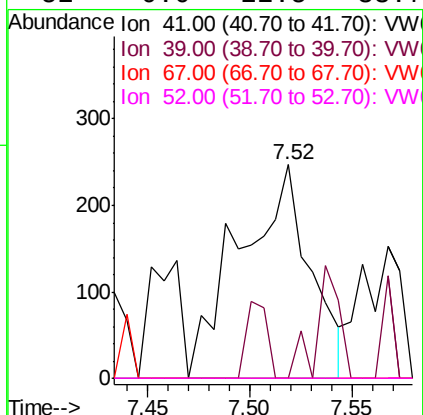
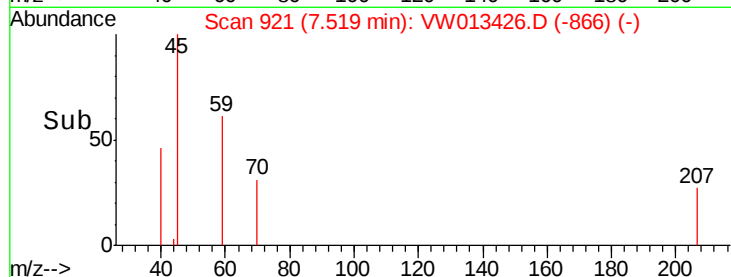
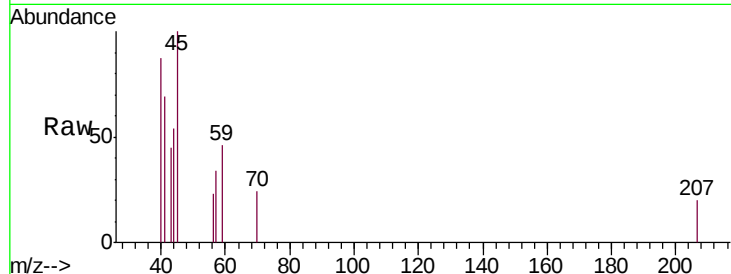




#41
Methacrylonitrile
Concen: 6.225 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.04 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

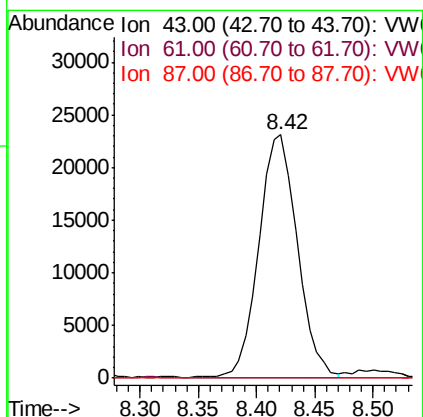
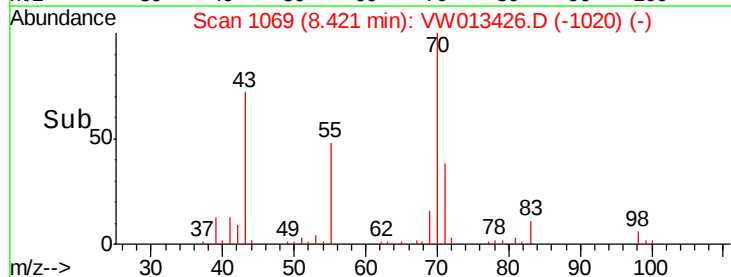
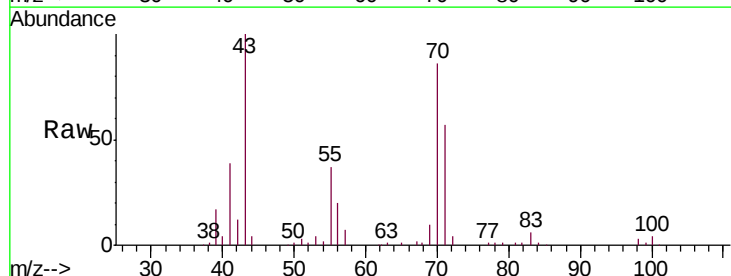
Instrument :
MSVOA_W
ClientSampleId :
RBR-200055-RT-1868

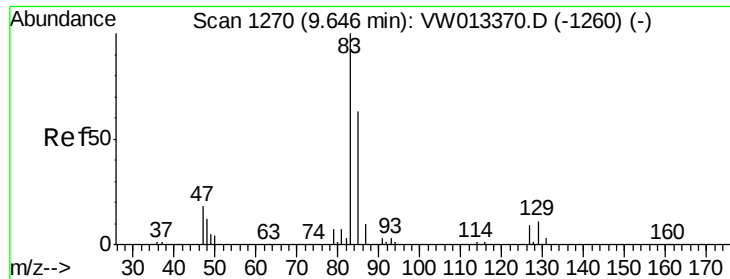
Tgt Ion:	41	Resp:	591
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.9	68.9#
67	0.0	54.5	81.7#
52	0.0	22.5	33.7#



#43
Isopropyl Acetate
Concen: 176.834 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

Tgt Ion:	43	Resp:	52404
Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.5	38.3#
87	0.0	11.0	16.4#





#47

Bromodichloromethane

Concen: 1.746 ug/l

RT: 9.62 min Scan# 1266

Delta R.T. -0.02 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

RBR-200055-RT-1868

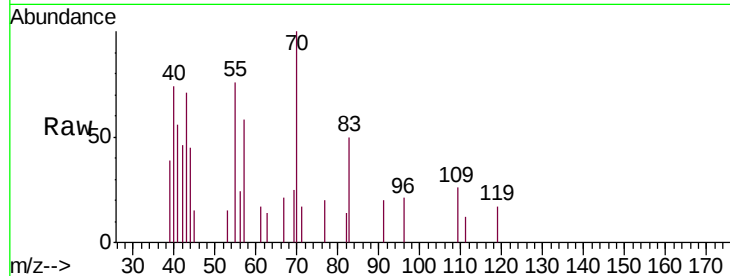
Tgt Ion: 83 Resp: 519

Ion Ratio Lower Upper

83 100

85 0.0 49.4 74.2#

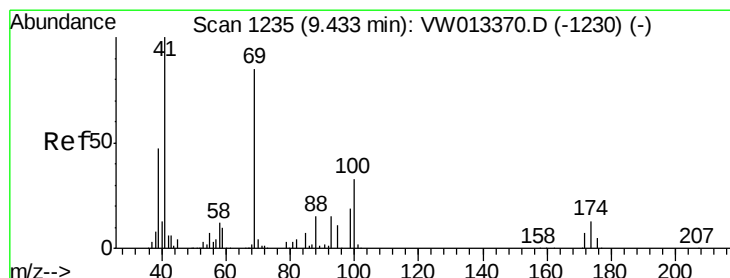
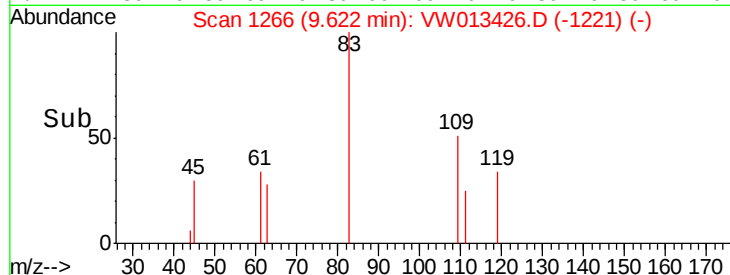
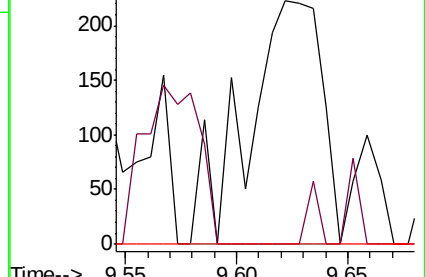
127 0.0 6.5 9.7#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 1.791 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.04 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

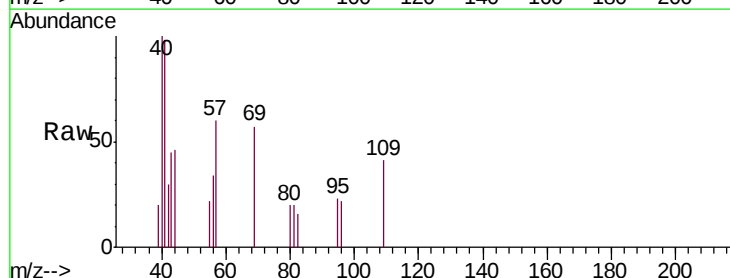
Tgt Ion: 41 Resp: 255

Ion Ratio Lower Upper

41 100

69 0.0 69.7 104.5#

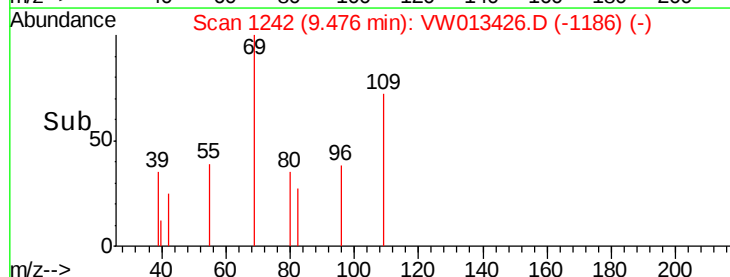
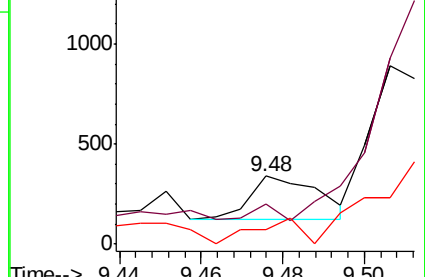
39 0.0 41.1 61.7#

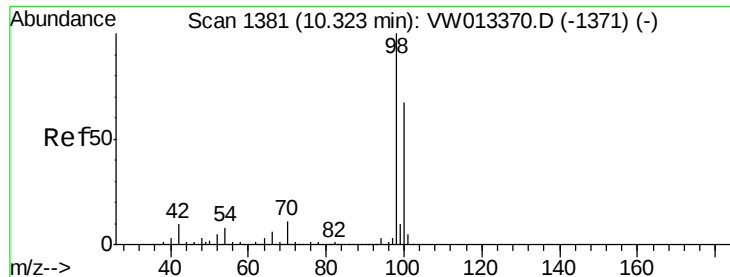


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 50.090 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

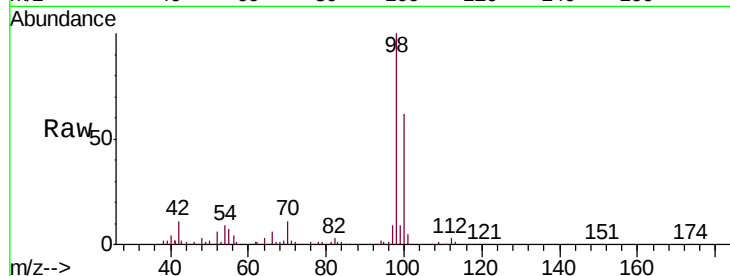
RBR-200055-RT-1868

Tgt Ion: 98 Resp: 41895

Ion Ratio Lower Upper

98 100

100 63.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

25000

20000

15000

10000

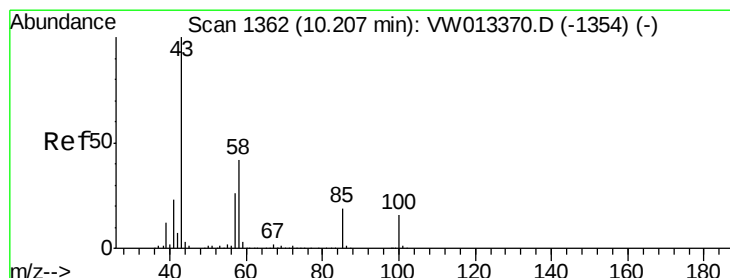
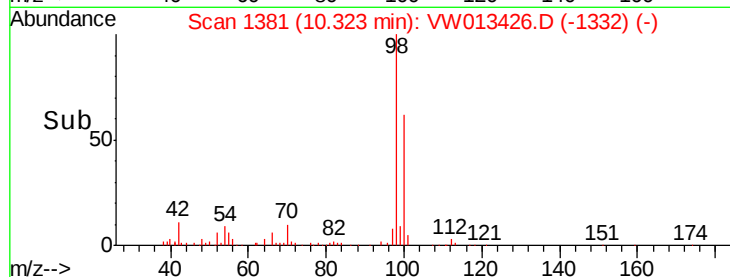
5000

0

10.30

10.40

Time-->



#51

4-Methyl-2-Pentanone

Concen: 46.185 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013426.D

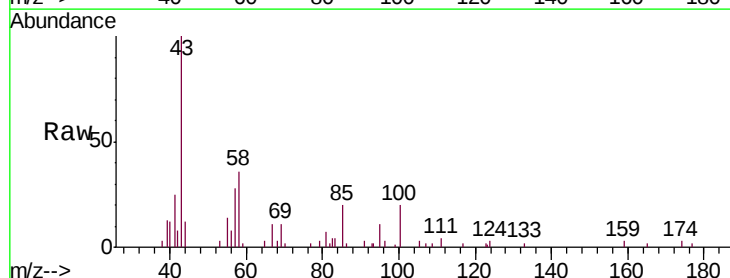
Acq: 03 Oct 2019 17:28

Tgt Ion: 43 Resp: 7191

Ion Ratio Lower Upper

43 100

58 36.2 31.7 47.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

4000

3000

2000

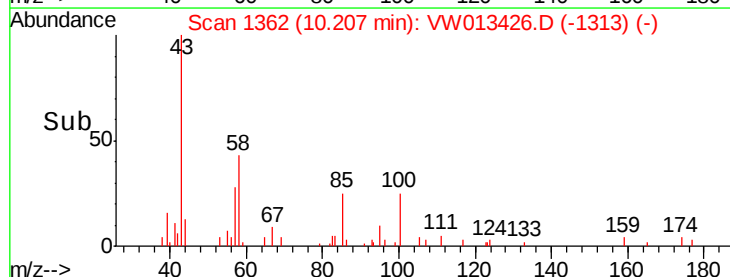
1000

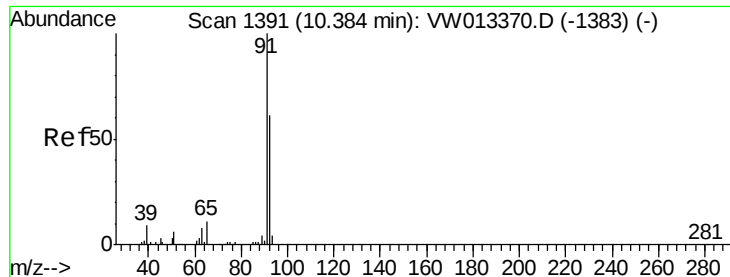
0

10.20

10.30

Time-->





#52

Toluene

Concen: 571.086 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

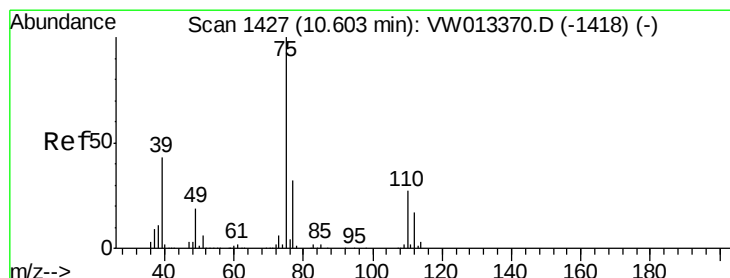
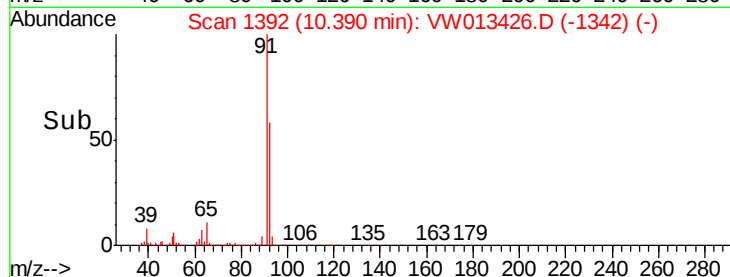
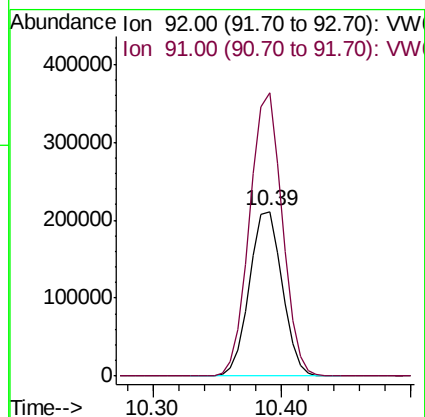
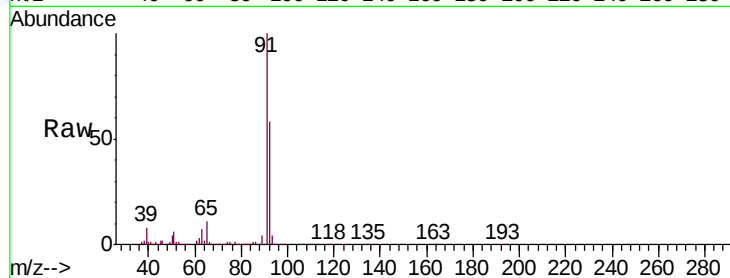
RBR-200055-RT-1868

Tgt Ion: 92 Resp: 372006

Ion Ratio Lower Upper

92 100

91 171.1 135.7 203.5



#53

t-1,3-Dichloropropene

Concen: 12.953 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.21 min

Lab File: VW013426.D

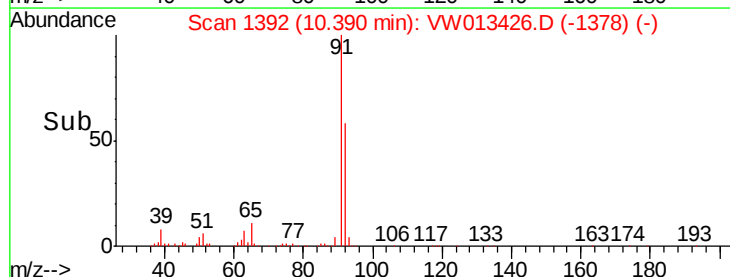
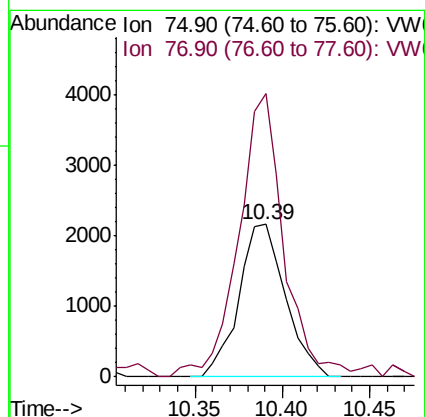
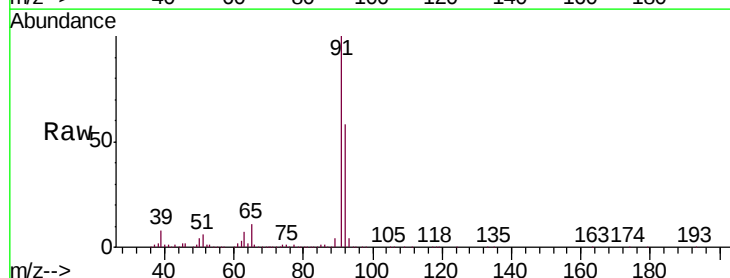
Acq: 03 Oct 2019 17:28

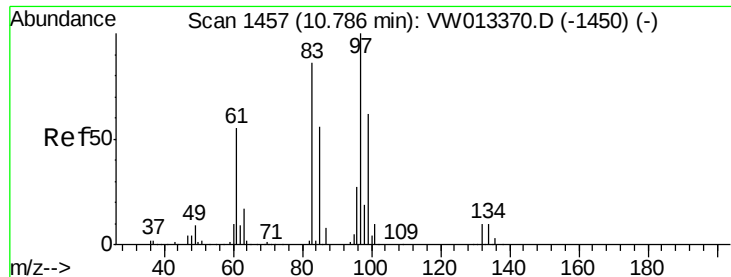
Tgt Ion: 75 Resp: 4006

Ion Ratio Lower Upper

75 100

77 177.7 25.5 38.3#

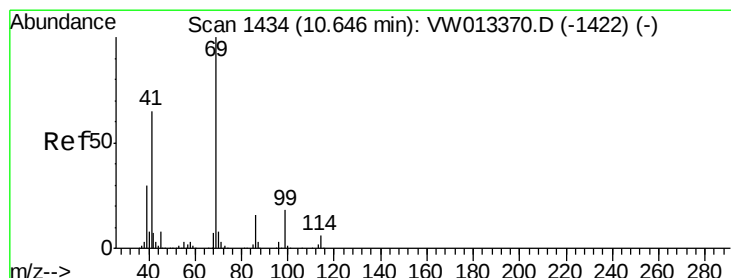
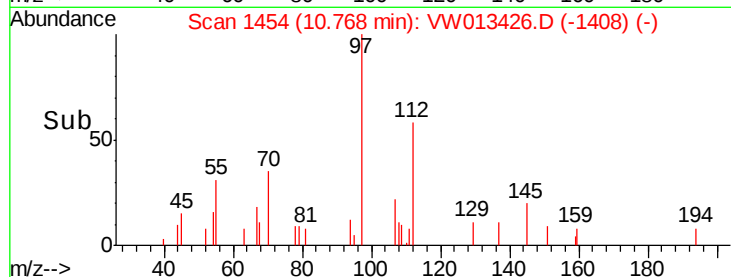
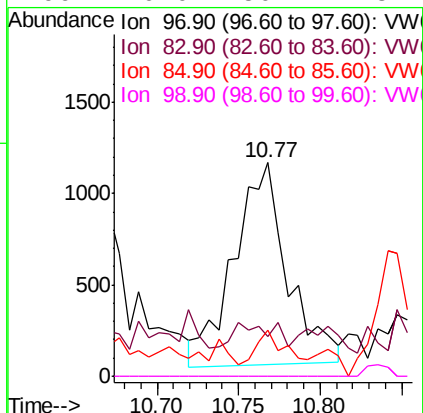
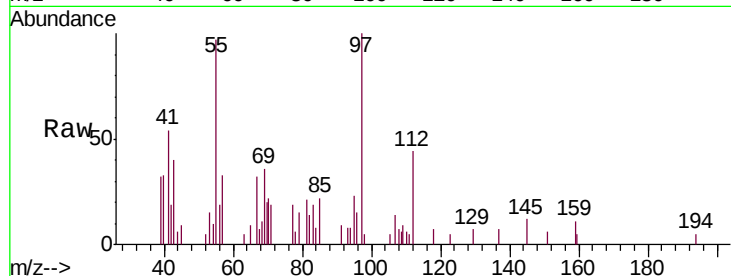




#55
 1,1,2-Trichloroethane
 Concen: 14.114 ug/l
 RT: 10.77 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: VW013426.D
 Acq: 03 Oct 2019 17:28

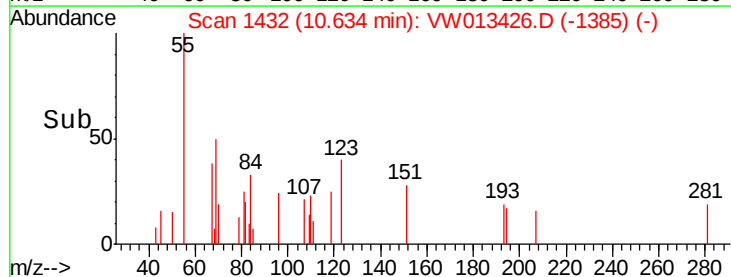
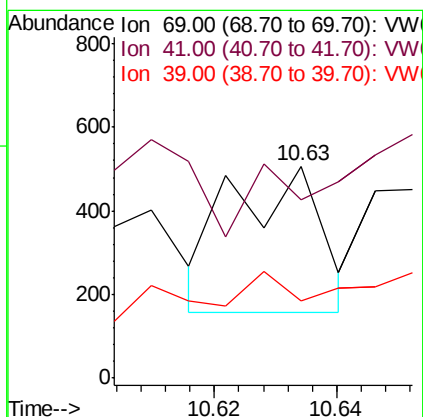
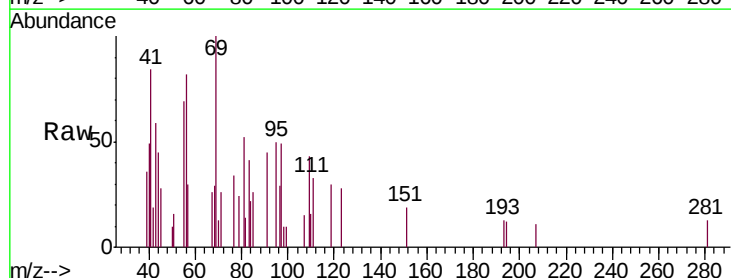
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200055-RT-1868

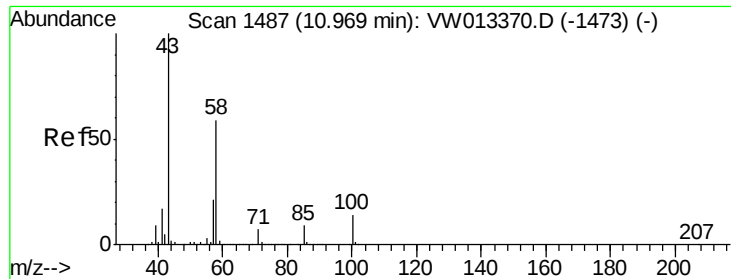
Tgt Ion: 97 Resp: 2543
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.6 101.4#
 85 15.9 41.9 62.9#
 99 0.0 50.1 75.1#



#56
 Ethyl methacrylate
 Concen: 1.476 ug/l
 RT: 10.63 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VW013426.D
 Acq: 03 Oct 2019 17:28

Tgt Ion: 69 Resp: 358
 Ion Ratio Lower Upper
 69 100
 41 0.0 53.9 80.9#
 39 0.0 23.8 35.6#

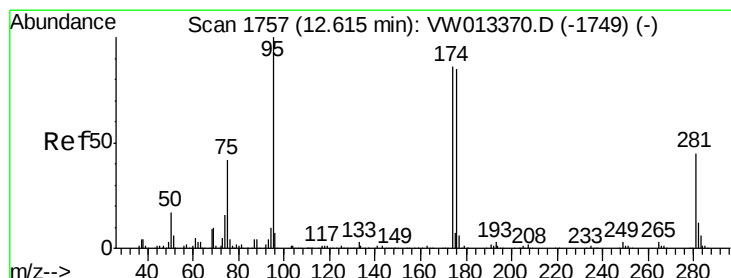
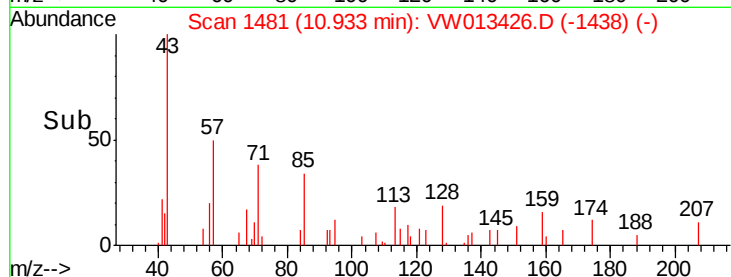
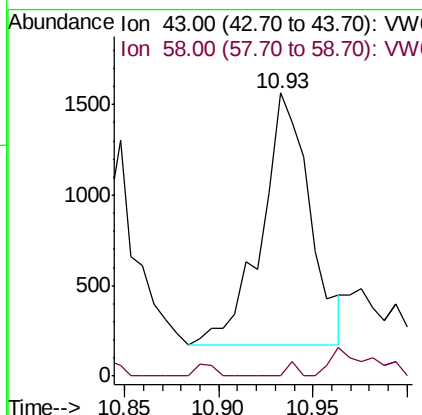
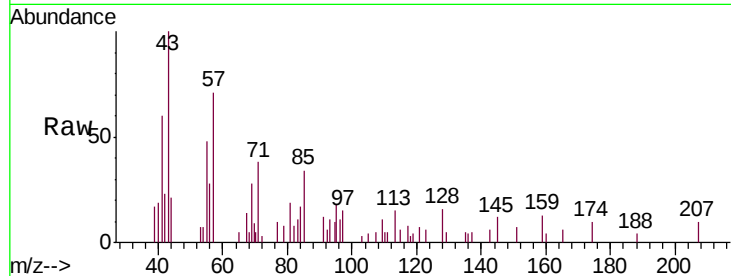




#59
2-Hexanone
Concen: 23.064 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

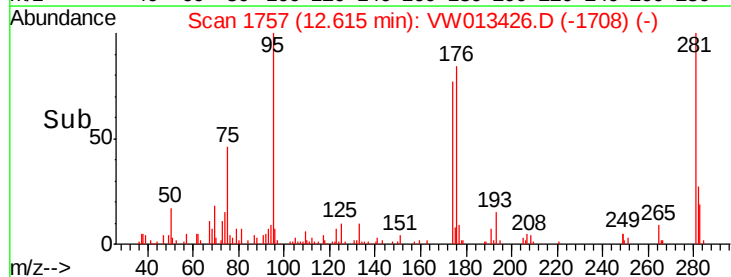
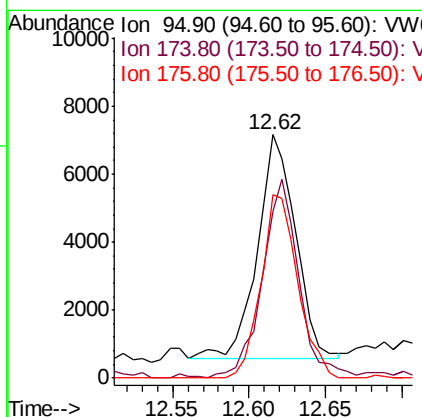
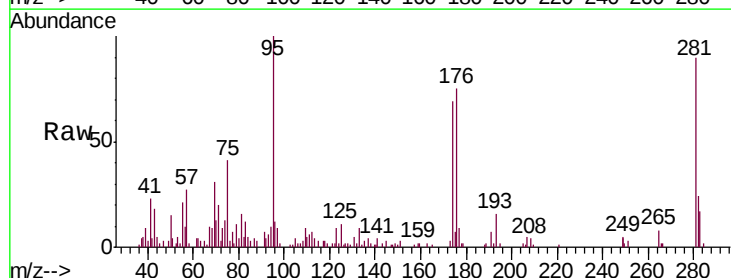
Instrument :
MSVOA_W
ClientSampleId :
RBR-200055-RT-1868

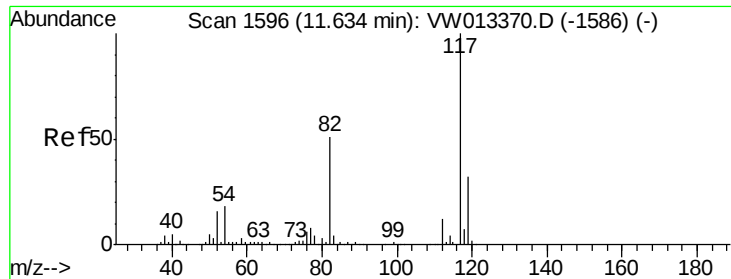
Tgt Ion: 43 Resp: 2489
Ion Ratio Lower Upper
43 100
58 1.2 28.1 84.2#



#62
4-Bromofluorobenzene
Concen: 40.830 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

Tgt Ion: 95 Resp: 11404
Ion Ratio Lower Upper
95 100
174 85.3 0.0 178.4
176 79.1 0.0 172.2

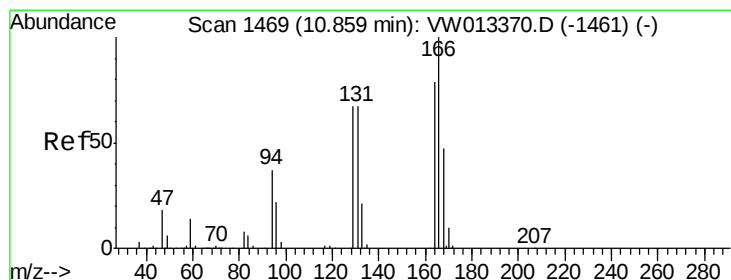
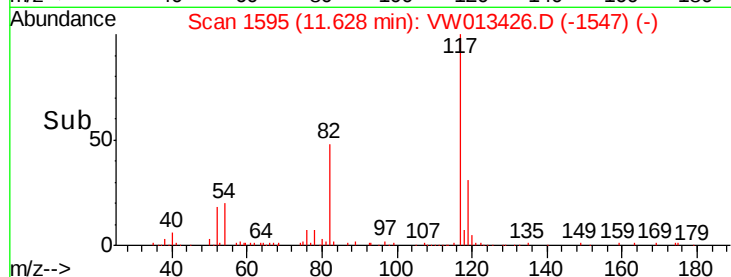
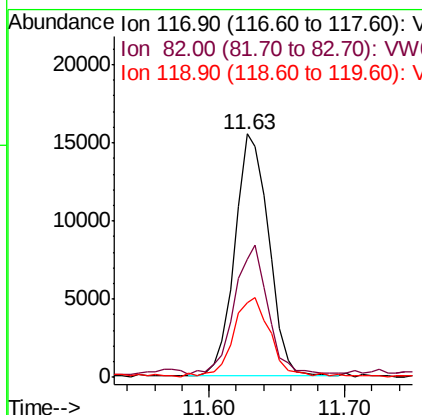
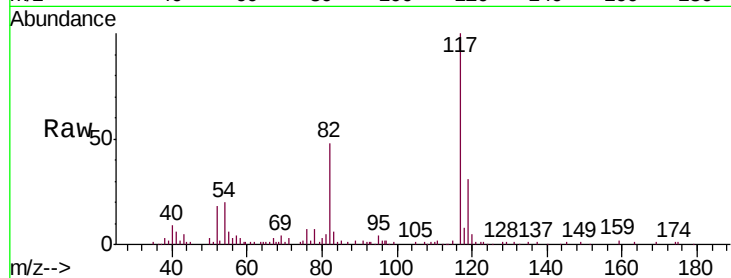




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

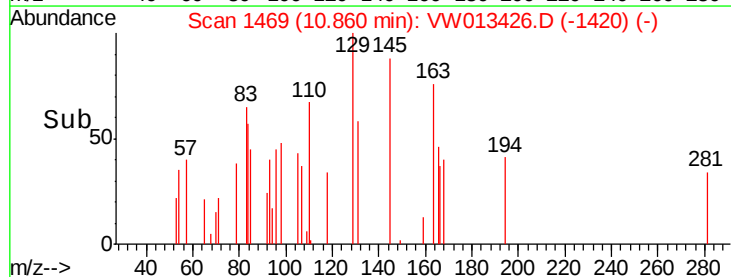
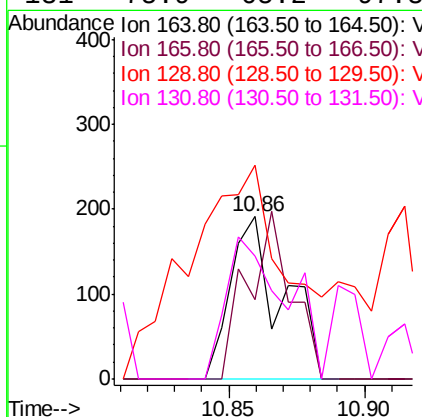
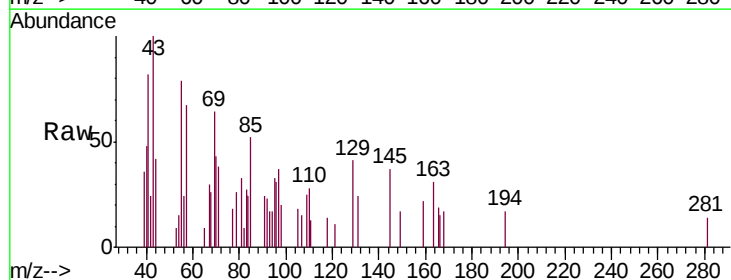
Instrument :
MSVOA_W
ClientSampleId :
RBR-200055-RT-1868

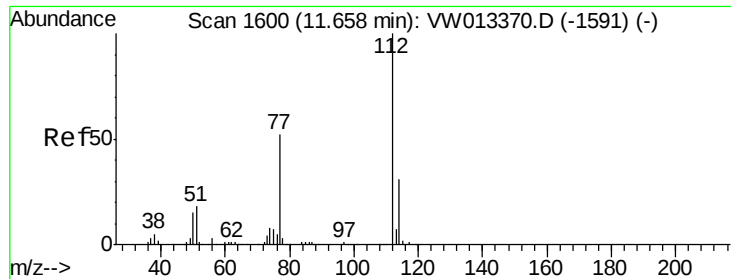
Tgt Ion:117 Resp: 26916
Ion Ratio Lower Upper
117 100
82 47.4 45.9 68.9
119 29.7 26.2 39.2



#64
Tetrachloroethene
Concen: 1.231 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

Tgt Ion:164 Resp: 252
Ion Ratio Lower Upper
164 100
166 48.7 101.2 151.8#
129 71.7 68.8 103.2
131 75.9 65.2 97.8





#65

Chlorobenzene

Concen: 2.330 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

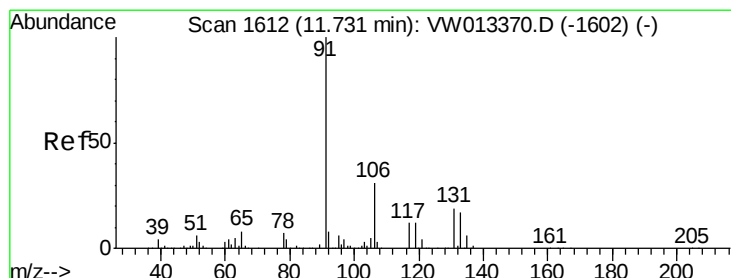
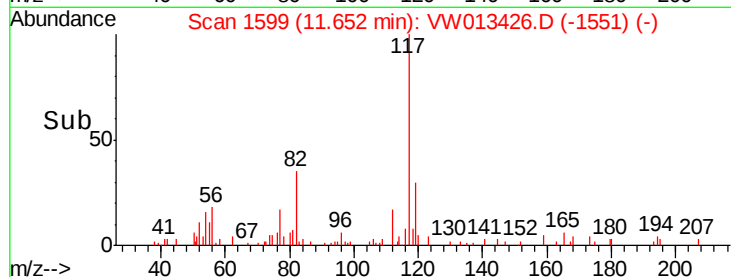
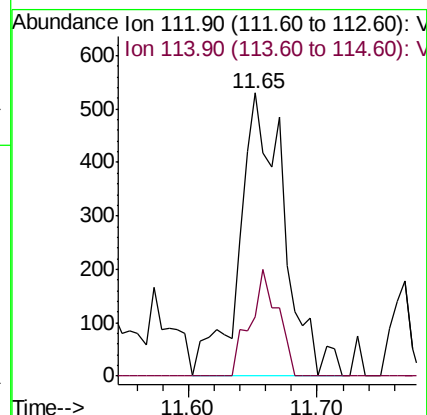
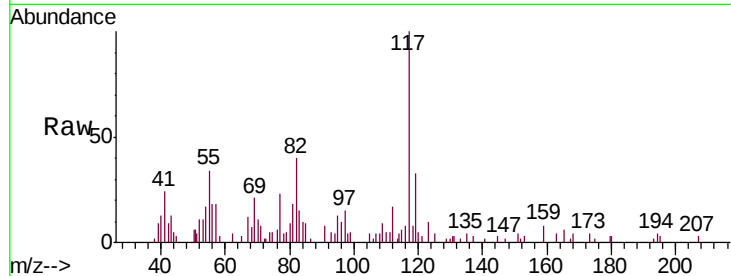
RBR-200055-RT-1868

Tgt Ion: 112 Resp: 1285

Ion Ratio Lower Upper

112 100

114 21.1 26.5 39.7#



#67

Ethyl Benzene

Concen: 19.107 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013426.D

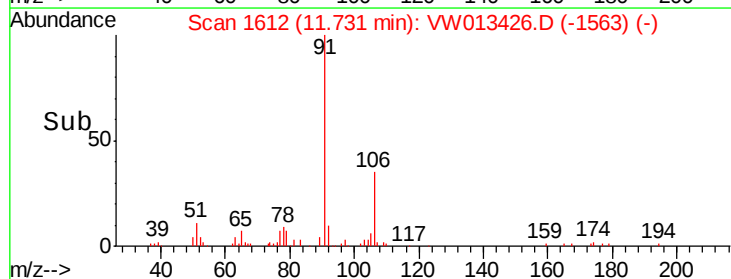
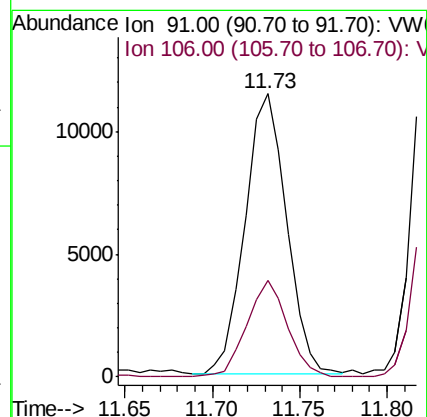
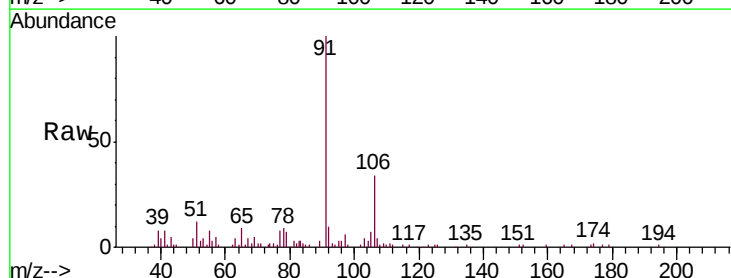
Acq: 03 Oct 2019 17:28

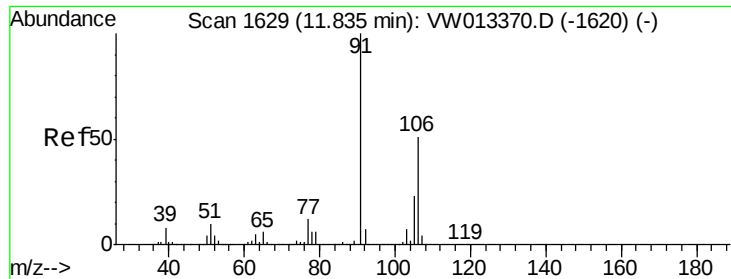
Tgt Ion: 91 Resp: 18883

Ion Ratio Lower Upper

91 100

106 34.6 24.9 37.3

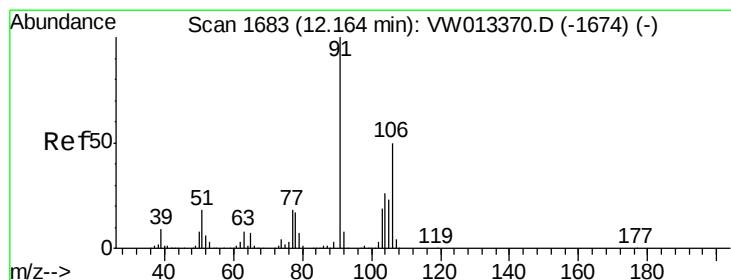
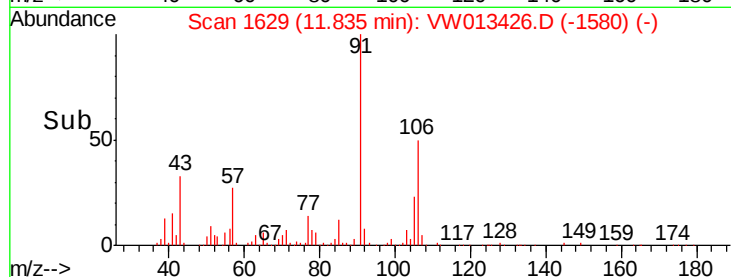
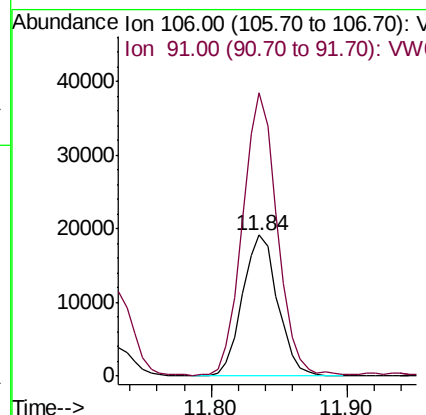
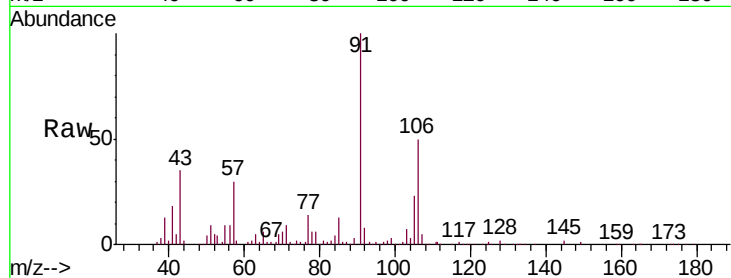




#68
m/p-Xylenes
Concen: 91.056 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

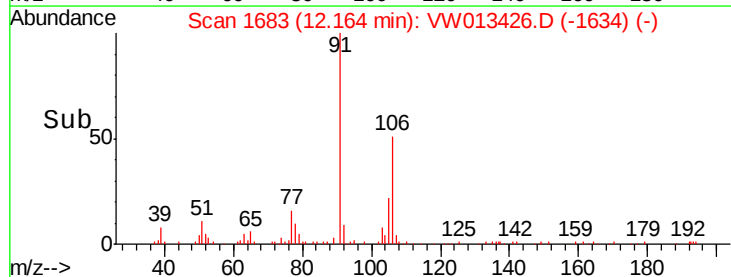
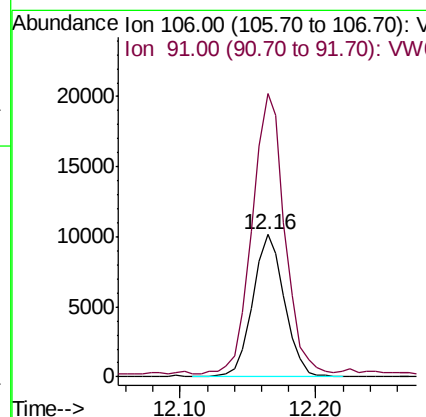
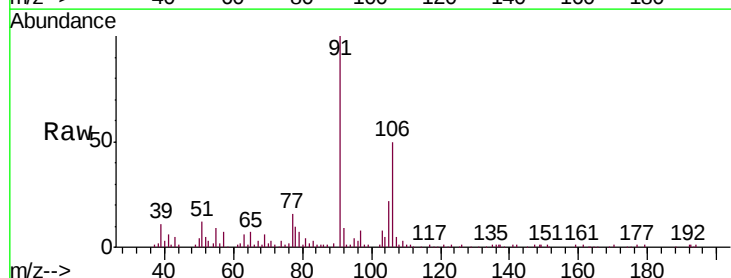
Instrument :
MSVOA_W
ClientSampleId :
RBR-200055-RT-1868

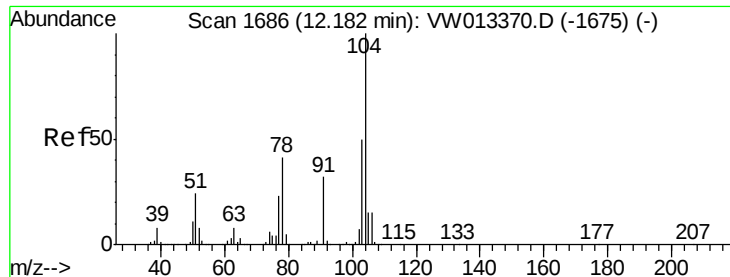
Tgt Ion:106 Resp: 34735
Ion Ratio Lower Upper
106 100
91 195.8 157.9 236.9



#69
o-Xylene
Concen: 47.043 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

Tgt Ion:106 Resp: 16592
Ion Ratio Lower Upper
106 100
91 201.8 106.5 319.5





#70

Styrene

Concen: 7.618 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

RBR-200055-RT-1868

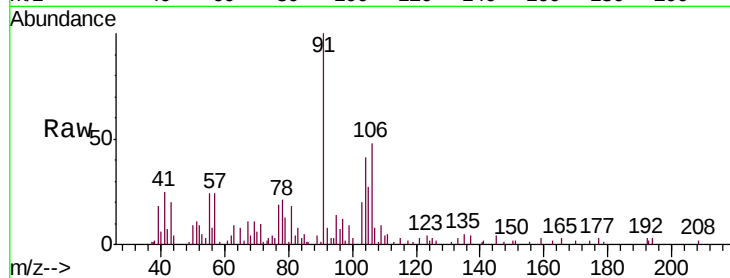
Tgt Ion:104 Resp: 4593

Ion Ratio Lower Upper

104 100

78 89.7 38.4 57.6#

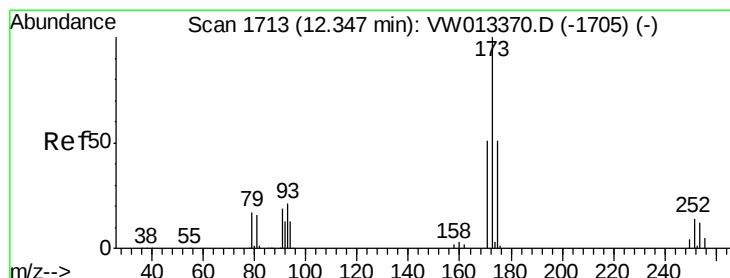
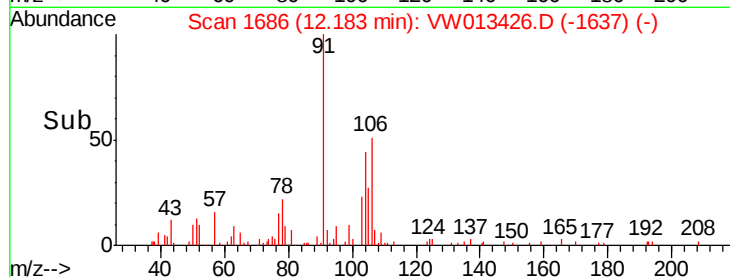
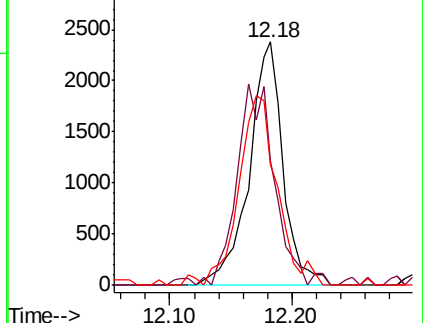
103 88.8 43.3 64.9#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 3.486 ug/l

RT: 12.31 min Scan# 1707

Delta R.T. -0.04 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

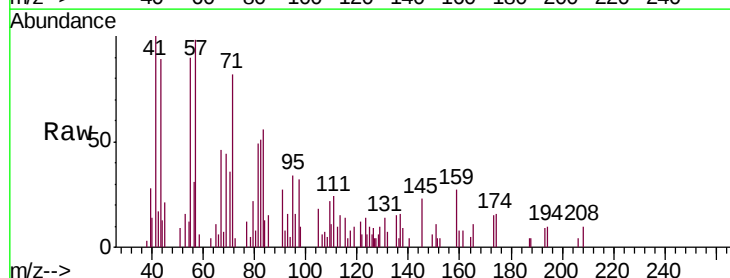
Tgt Ion:173 Resp: 355

Ion Ratio Lower Upper

173 100

175 19.2 24.3 73.0#

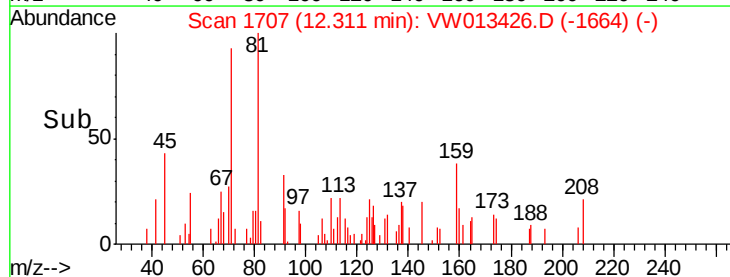
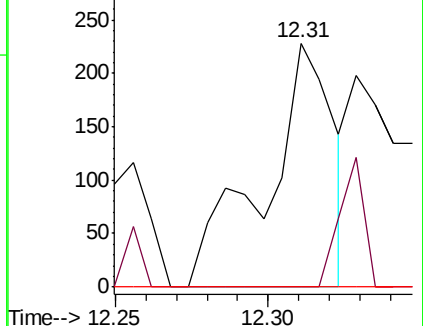
254 0.0 0.1 0.1#

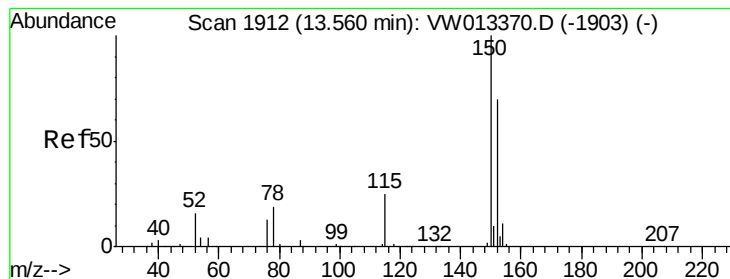


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

RBR-200055-RT-1868

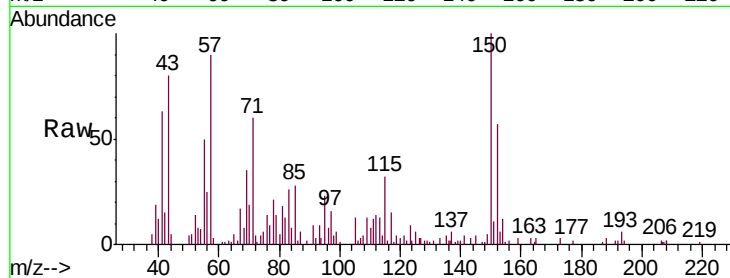
Tgt Ion:152 Resp: 6568

Ion Ratio Lower Upper

152 100

115 71.4 27.3 81.9

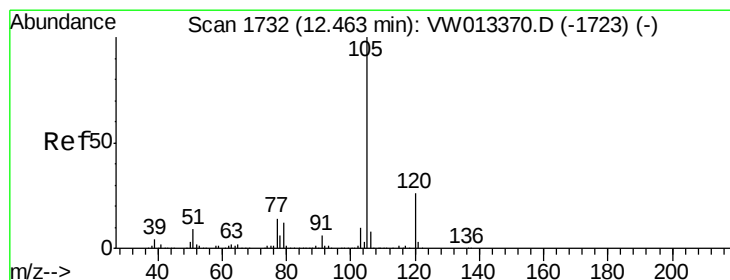
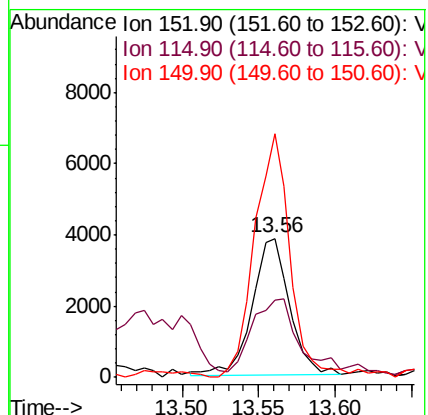
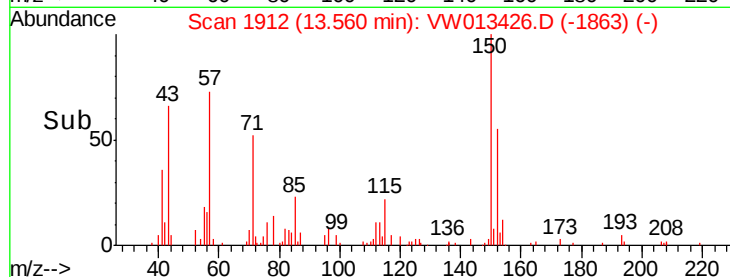
150 167.8 0.0 349.0



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: 11.587 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW013426.D

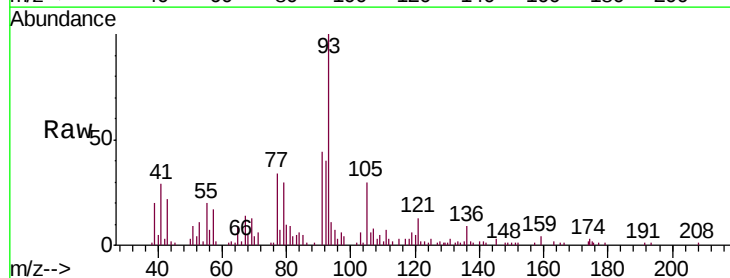
Acq: 03 Oct 2019 17:28

Tgt Ion:105 Resp: 5567

Ion Ratio Lower Upper

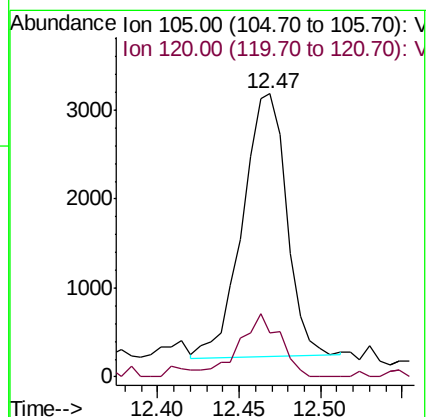
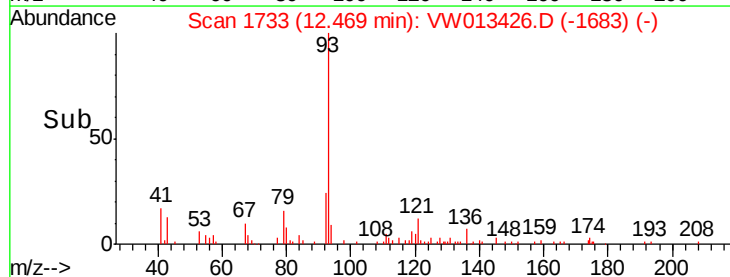
105 100

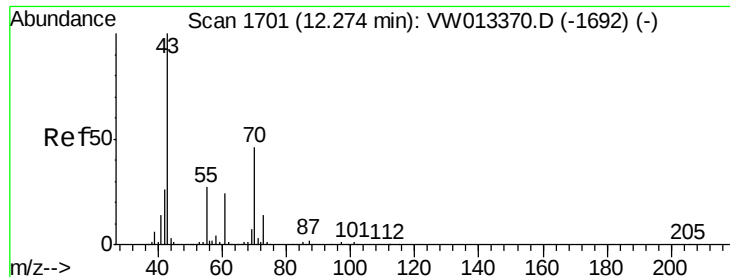
120 22.5 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

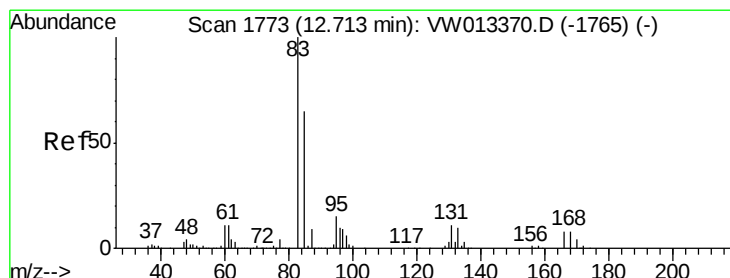
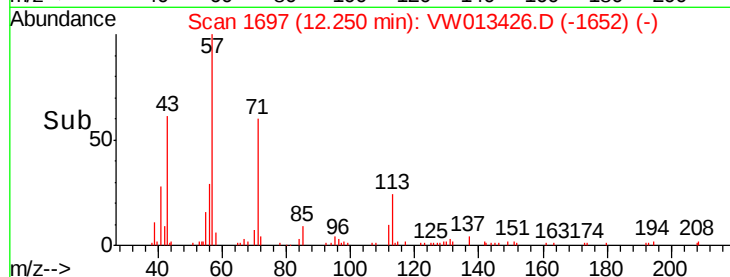
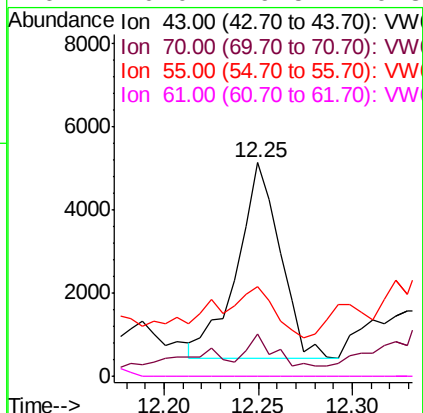
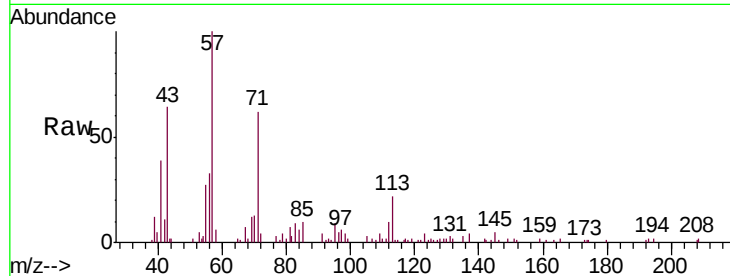




#74
N-ethyl acetate
Concen: 72.864 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

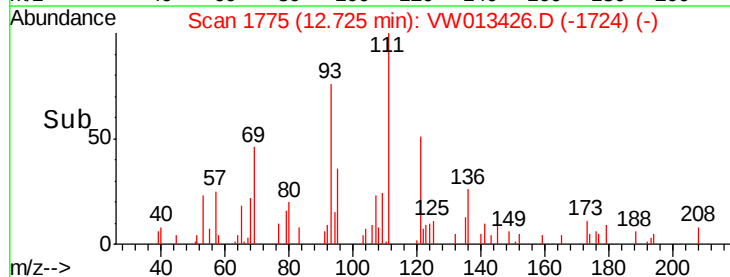
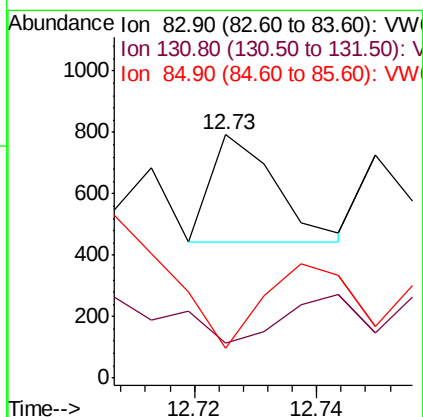
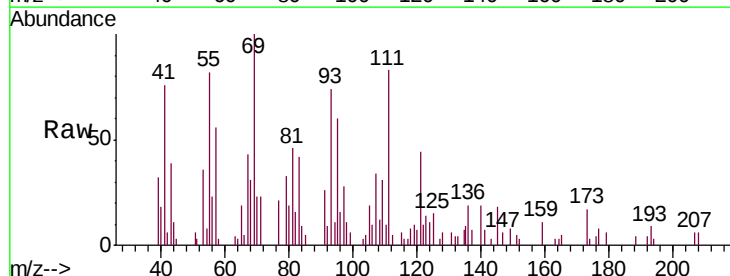
Instrument :
MSVOA_W
ClientSampleId :
RBR-200055-RT-1868

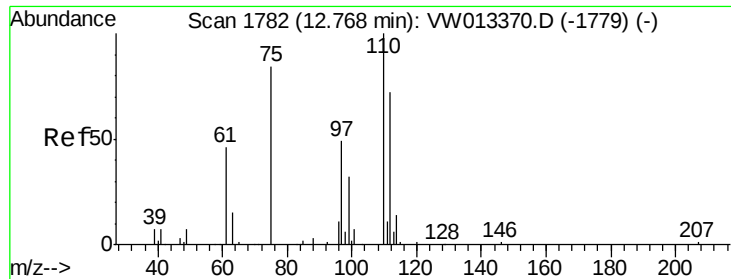
Tgt Ion:	43	Resp:	7450
Ion	Ratio	Lower	Upper
43	100		
70	9.8	35.1	52.7#
55	22.5	19.9	29.9
61	0.0	19.5	29.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 3.160 ug/l
RT: 12.73 min Scan# 1775
Delta R.T. 0.01 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

Tgt Ion:	83	Resp:	257
Ion	Ratio	Lower	Upper
83	100		
131	51.4	5.4	16.2#
85	0.0	31.9	95.9#

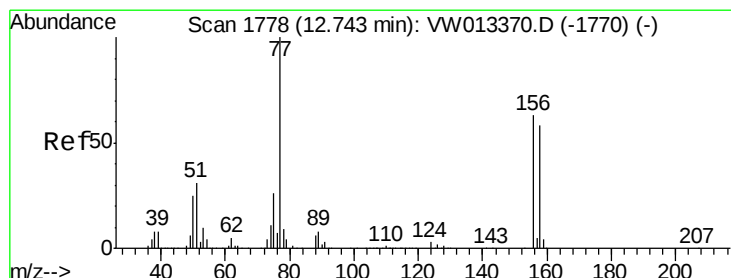
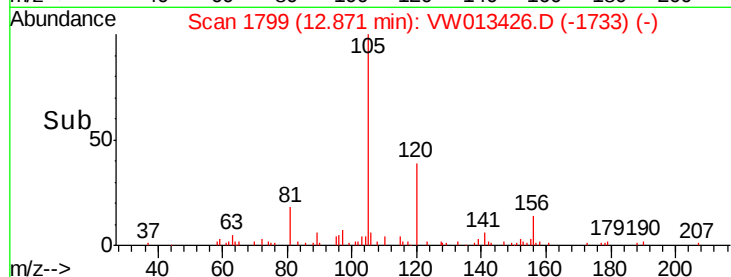
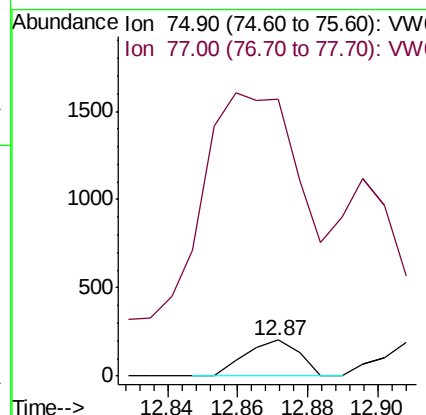
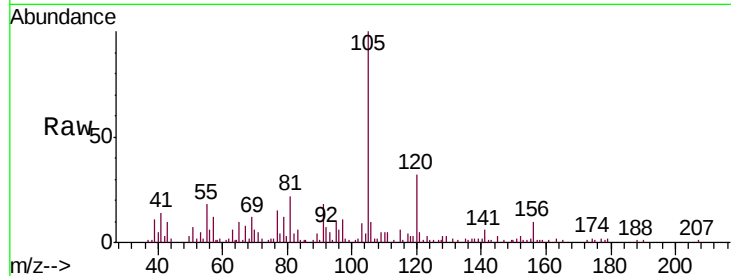




#76
 1,2,3-Trichloropropane
 Concen: 3.735 ug/l
 RT: 12.87 min Scan# 1799
 Delta R.T. 0.10 min
 Lab File: VW013426.D
 Acq: 03 Oct 2019 17:28

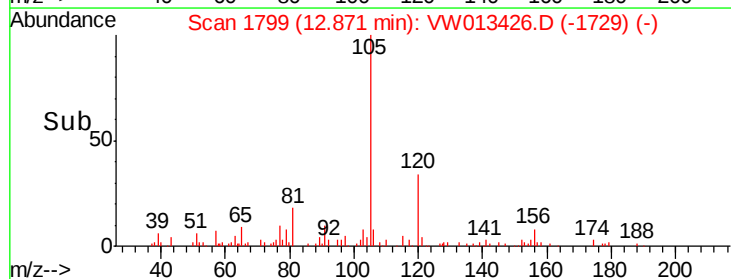
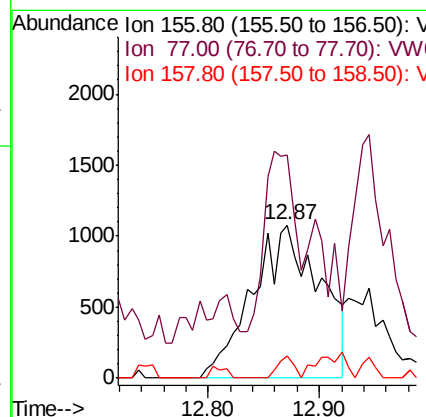
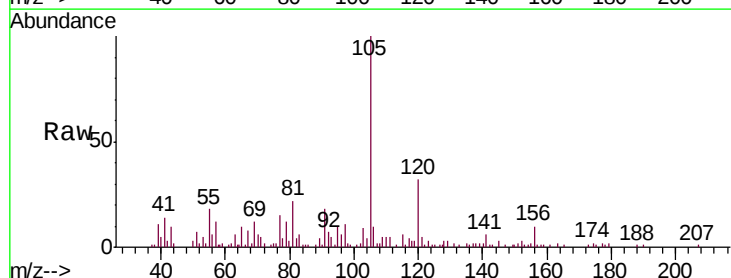
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200055-RT-1868

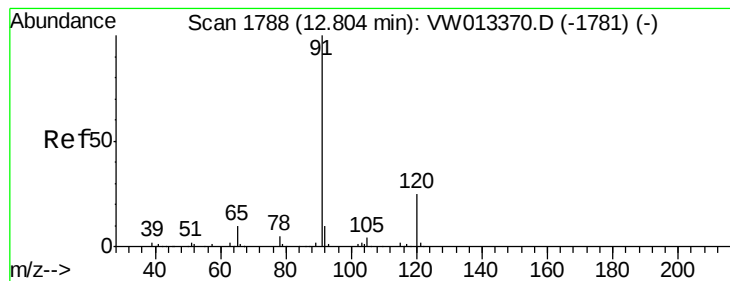
Tgt Ion: 75 Resp: 218
 Ion Ratio Lower Upper
 75 100
 77 1106.0 0.0 0.0#



#77
 Bromobenzene
 Concen: 39.242 ug/l
 RT: 12.87 min Scan# 1799
 Delta R.T. 0.13 min
 Lab File: VW013426.D
 Acq: 03 Oct 2019 17:28

Tgt Ion: 156 Resp: 4527
 Ion Ratio Lower Upper
 156 100
 77 53.3 85.7 257.1#
 158 3.3 48.1 144.4#





#78

n-propylbenzene

Concen: 14.478 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

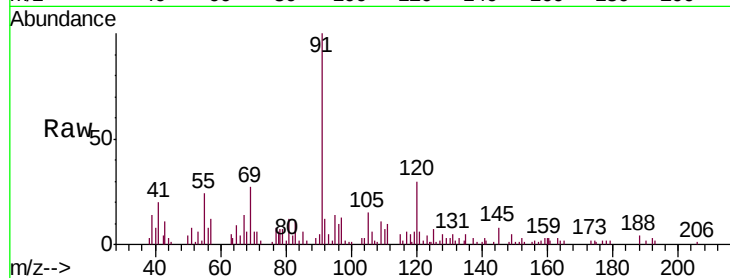
RBR-200055-RT-1868

Tgt Ion: 91 Resp: 8001

Ion Ratio Lower Upper

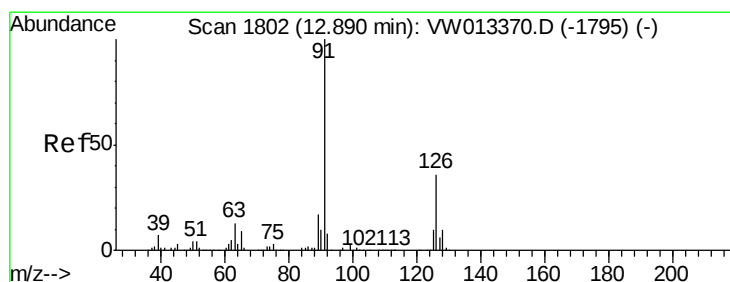
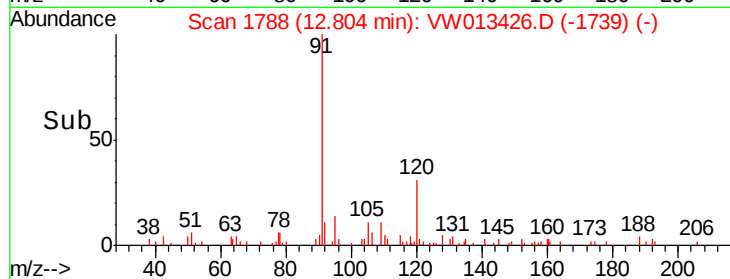
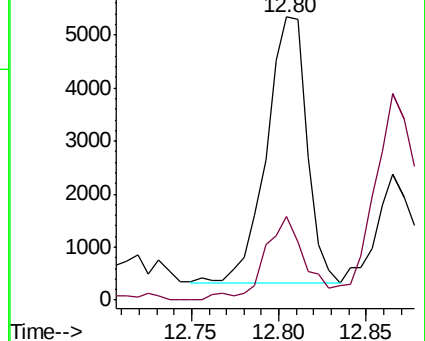
91 100

120 31.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 2.789 ug/l

RT: 13.02 min Scan# 1824

Delta R.T. 0.13 min

Lab File: VW013426.D

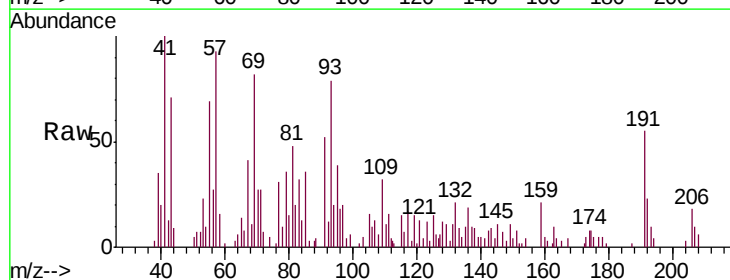
Acq: 03 Oct 2019 17:28

Tgt Ion: 91 Resp: 856

Ion Ratio Lower Upper

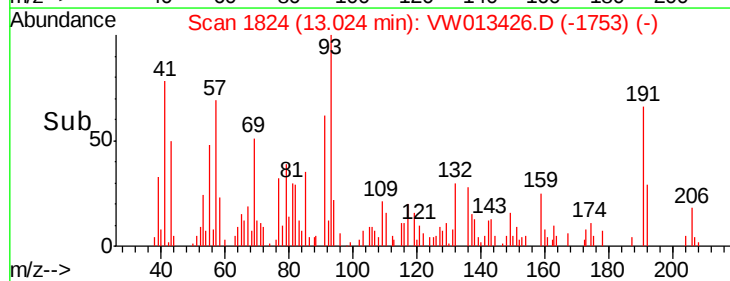
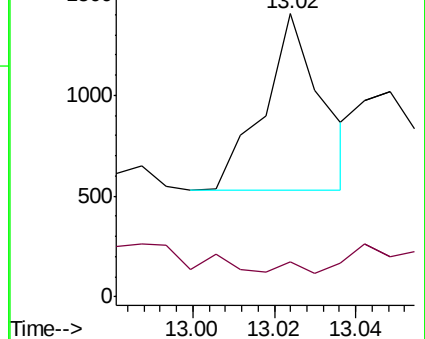
91 100

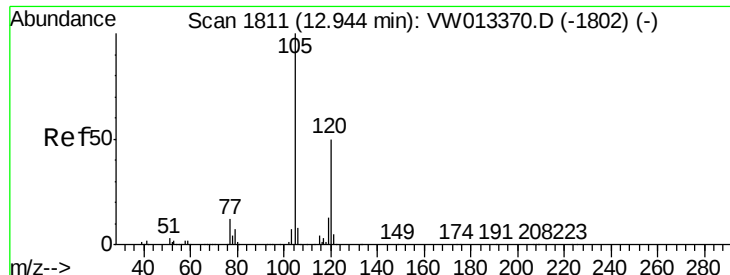
126 21.5 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

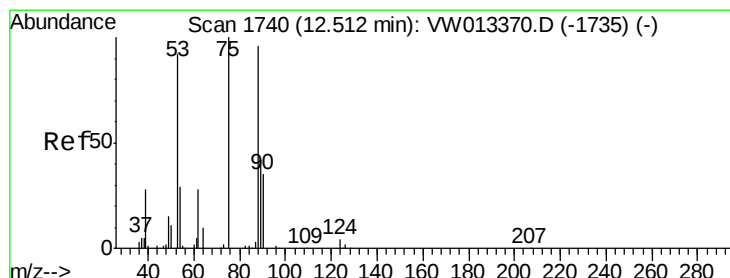
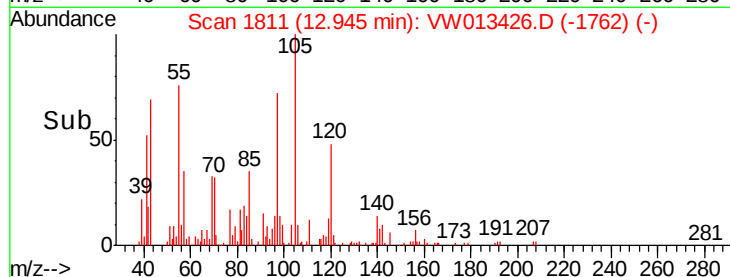
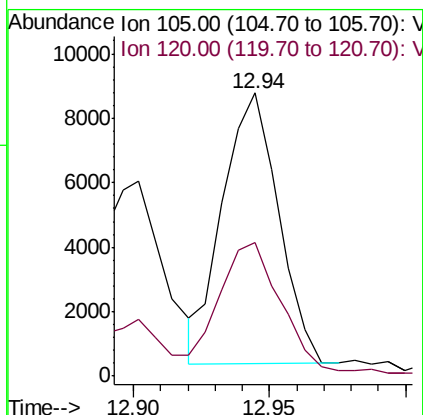
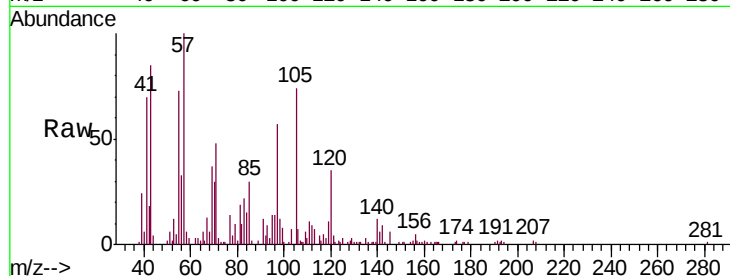




#80
 1,3,5-Trimethylbenzene
 Concen: 29.778 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW013426.D
 Acq: 03 Oct 2019 17:28

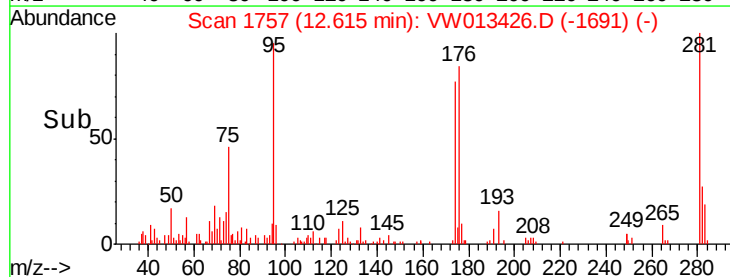
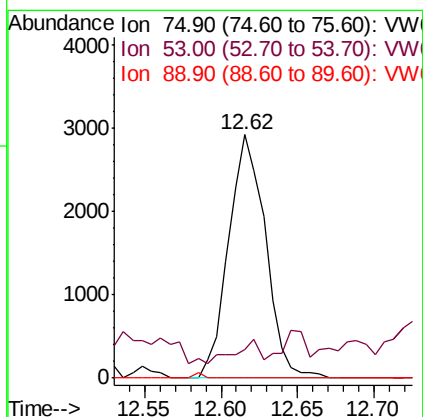
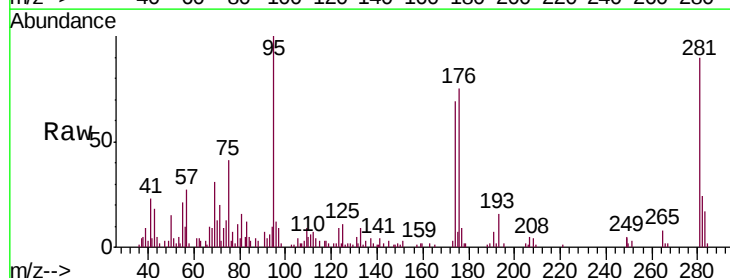
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200055-RT-1868

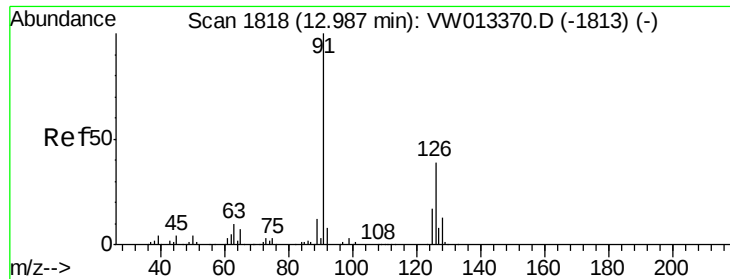
Tgt Ion: 105 Resp: 11884
 Ion Ratio Lower Upper
 105 100
 120 55.2 24.9 74.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 167.705 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013426.D
 Acq: 03 Oct 2019 17:28

Tgt Ion: 75 Resp: 4900
 Ion Ratio Lower Upper
 75 100
 53 5.9 76.6 114.8#
 89 0.0 33.5 50.3#





#82

4-Chlorotoluene

Concen: 2.662 ug/l

RT: 13.02 min Scan# 1824

Delta R.T. 0.04 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

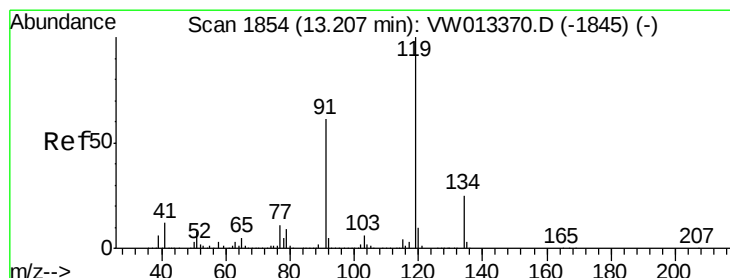
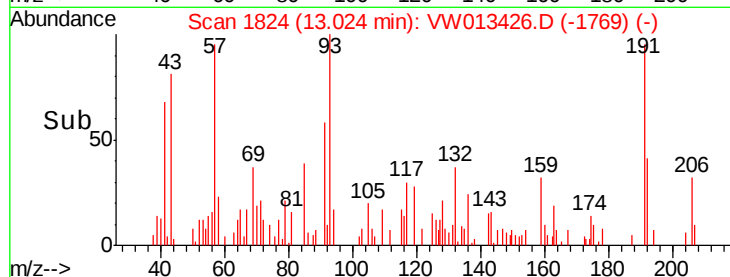
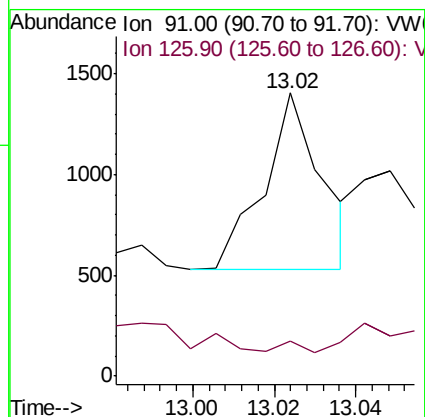
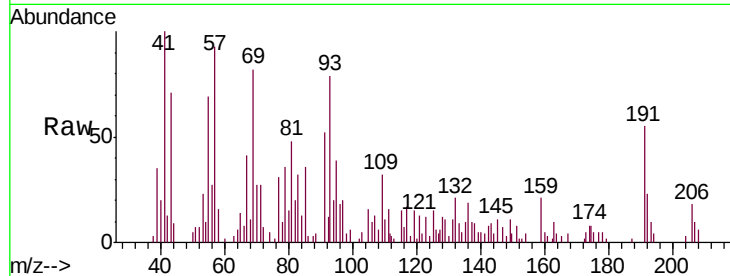
RBR-200055-RT-1868

Tgt Ion: 91 Resp: 856

Ion Ratio Lower Upper

91 100

126 21.5 17.3 51.7



#83

tert-Butylbenzene

Concen: 13.795 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.04 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

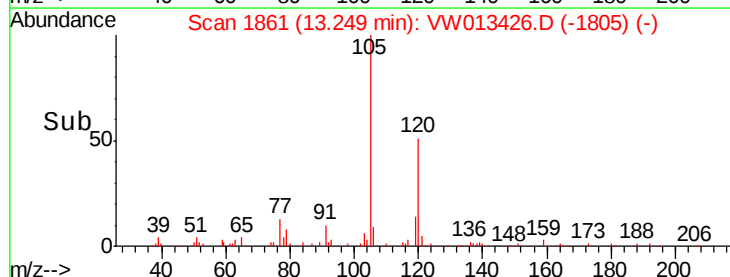
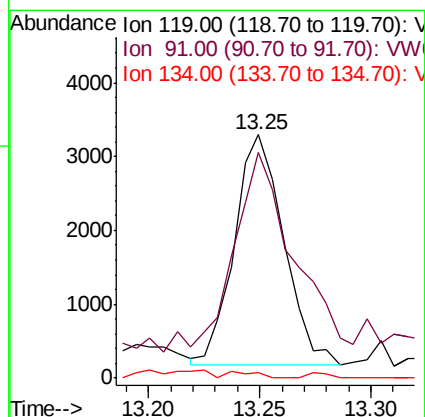
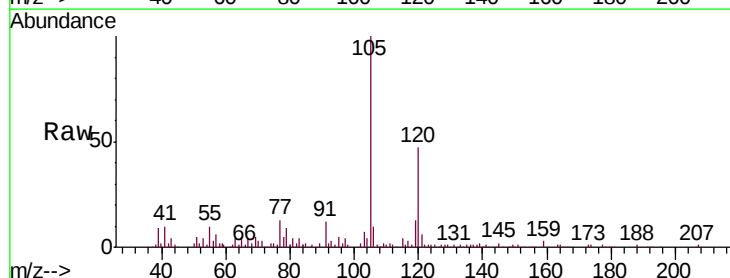
Tgt Ion: 119 Resp: 4809

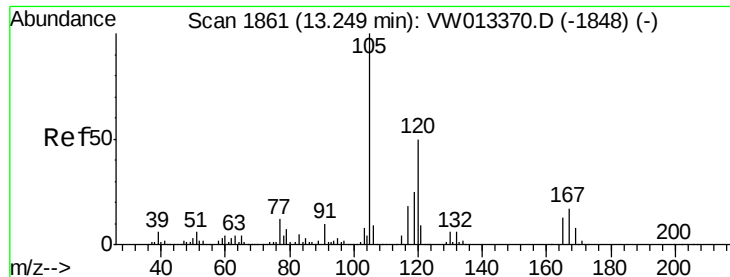
Ion Ratio Lower Upper

119 100

91 105.1 30.7 92.1#

134 0.0 12.6 37.6#

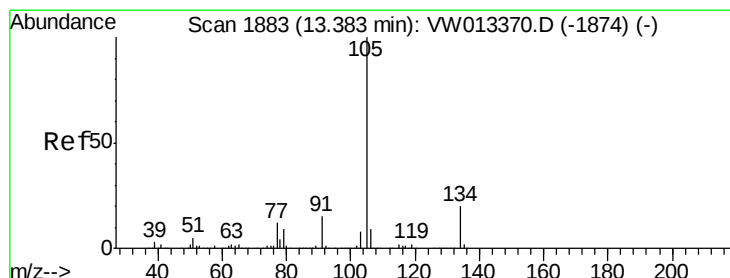
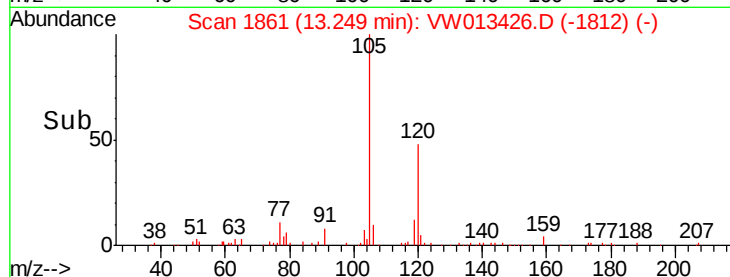
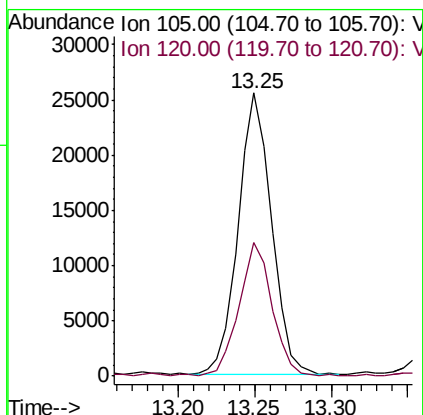
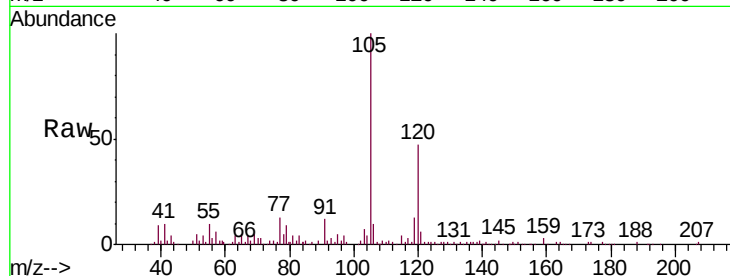




#84
 1,2,4-Trimethylbenzene
 Concen: 96.846 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013426.D
 Acq: 03 Oct 2019 17:28

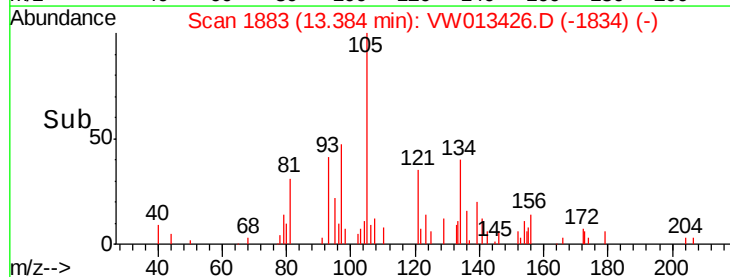
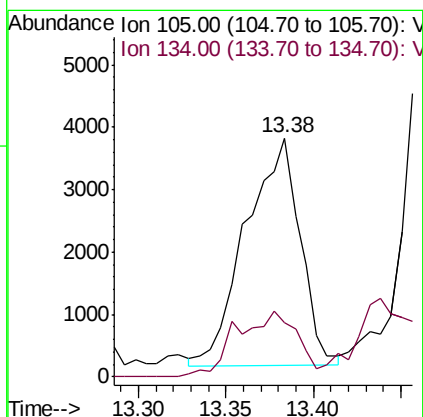
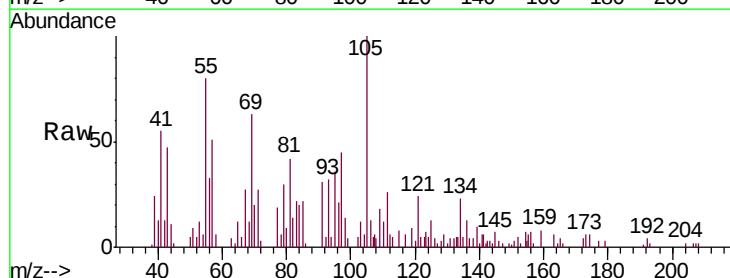
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200055-RT-1868

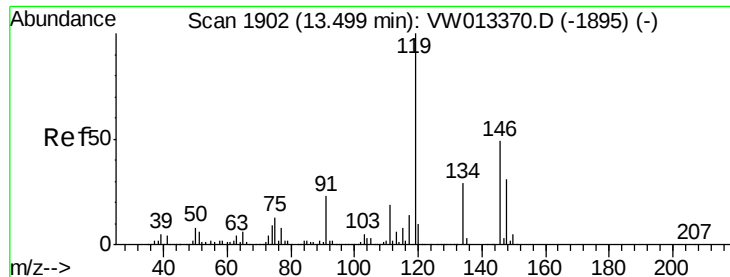
Tgt Ion:105 Resp: 38423
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 16.360 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013426.D
 Acq: 03 Oct 2019 17:28

Tgt Ion:105 Resp: 7863
 Ion Ratio Lower Upper
 105 100
 134 32.3 10.3 30.8#

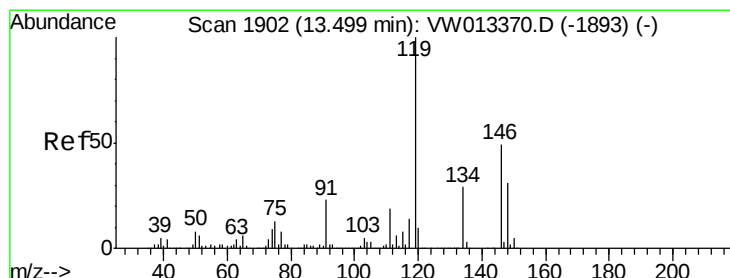
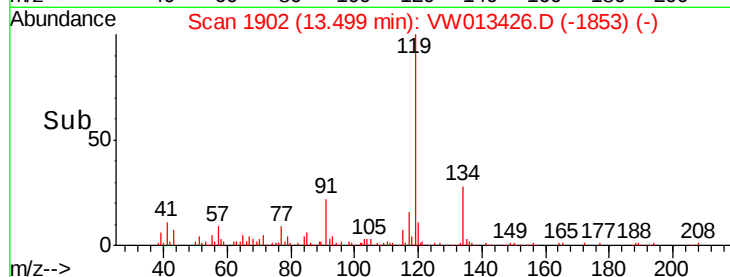
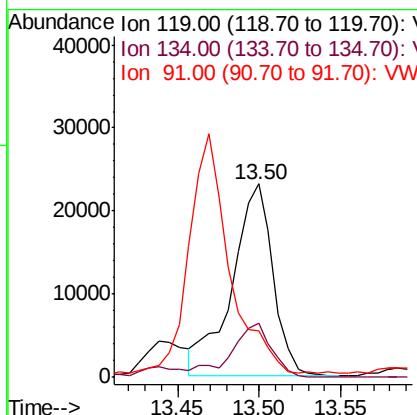
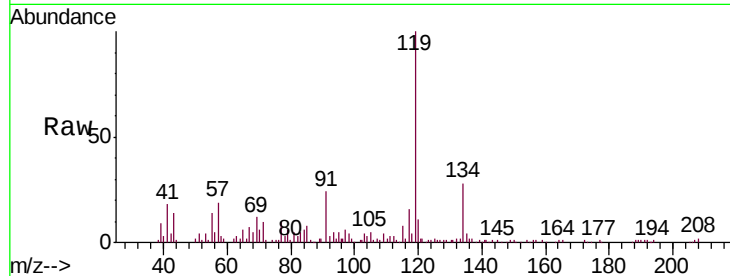




#86
 p-Isopropyltoluene
 Concen: 90.729 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013426.D
 Acq: 03 Oct 2019 17:28

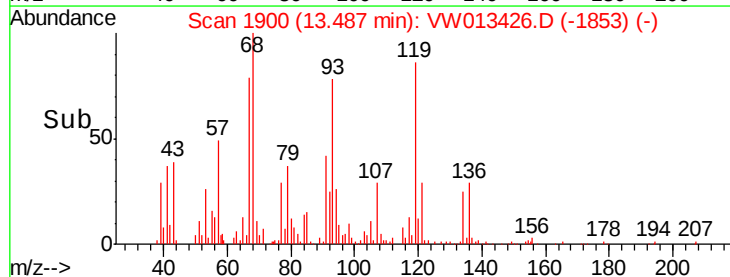
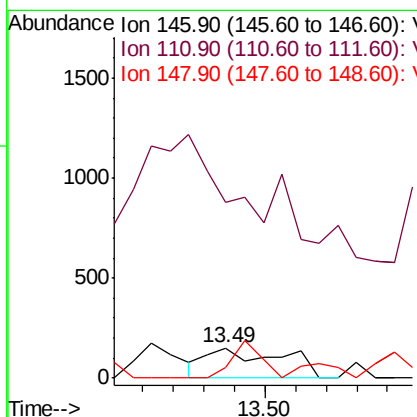
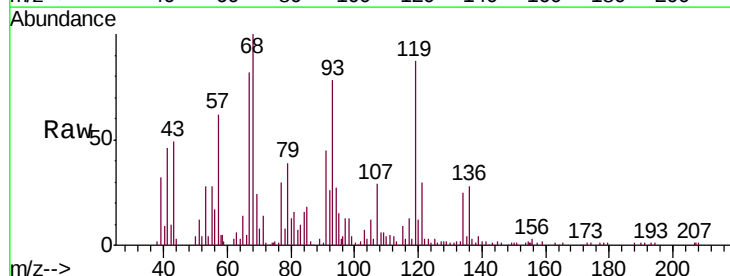
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200055-RT-1868

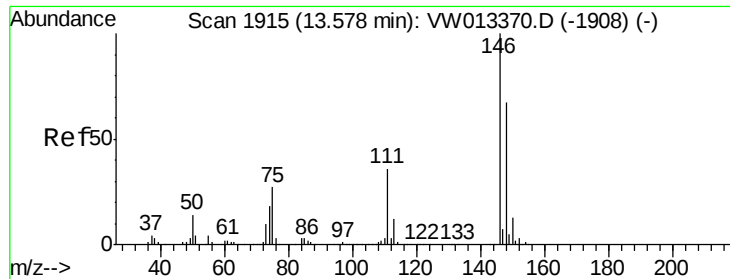
Tgt Ion:119 Resp: 40412
 Ion Ratio Lower Upper
 119 100
 134 28.0 13.3 39.8
 91 0.0 10.8 32.4#



#87
 1,3-Dichlorobenzene
 Concen: 1.170 ug/l
 RT: 13.49 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: VW013426.D
 Acq: 03 Oct 2019 17:28

Tgt Ion:146 Resp: 254
 Ion Ratio Lower Upper
 146 100
 111 619.7 18.9 56.9#
 148 47.6 31.9 95.5





#88

1,4-Dichlorobenzene

Concen: 1.611 ug/l

RT: 13.60 min Scan# 1919

Delta R.T. 0.02 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

RBR-200055-RT-1868

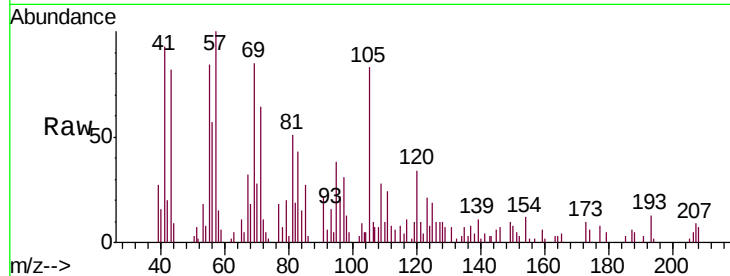
Tgt Ion:146 Resp: 350

Ion Ratio Lower Upper

146 100

111 501.1 18.4 55.0#

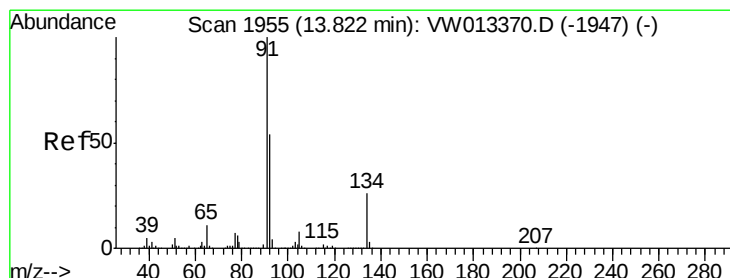
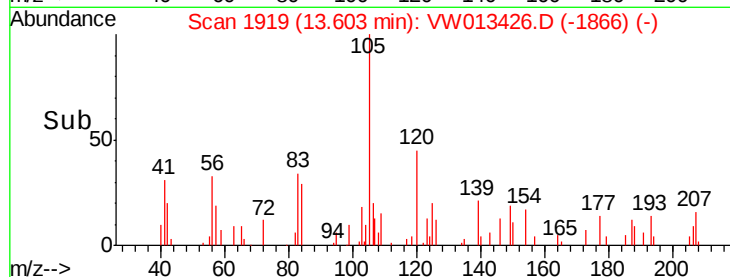
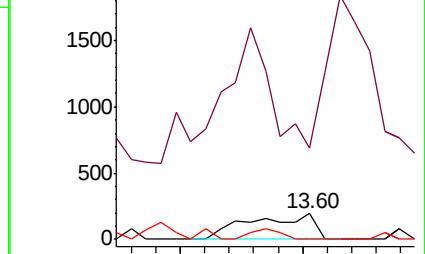
148 0.0 32.1 96.3#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 21.670 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013426.D

Acq: 03 Oct 2019 17:28

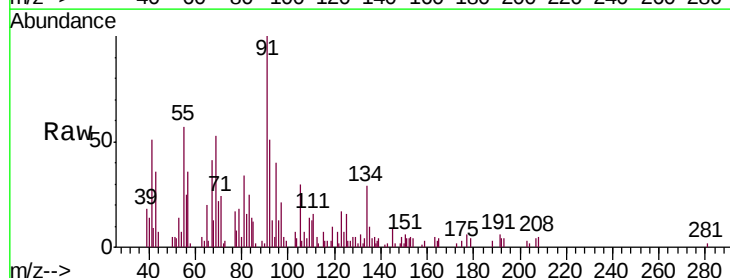
Tgt Ion: 91 Resp: 8702

Ion Ratio Lower Upper

91 100

92 45.8 27.6 82.8

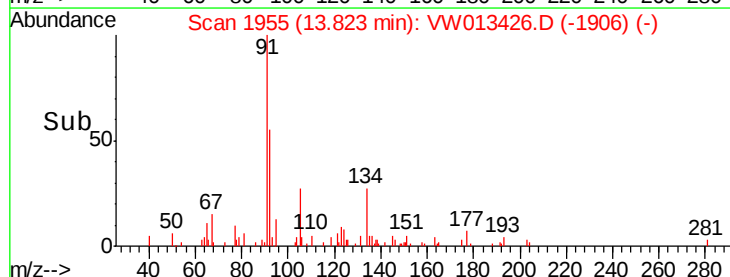
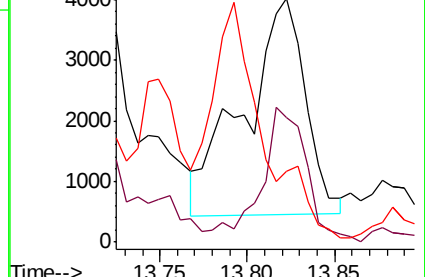
134 0.0 13.7 41.1#

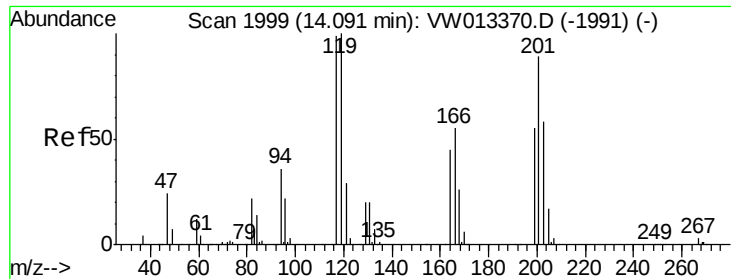


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V

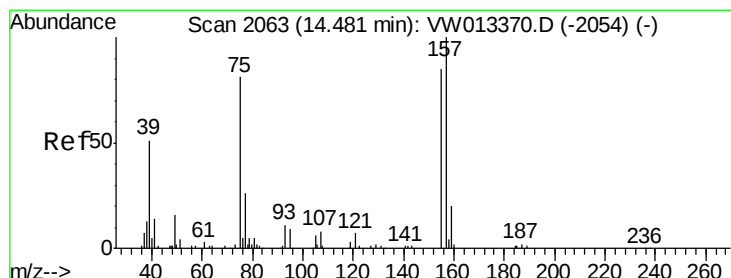
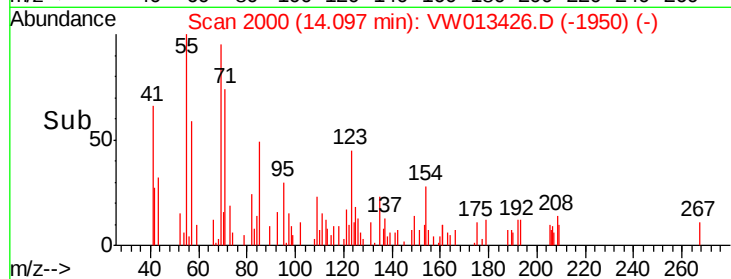
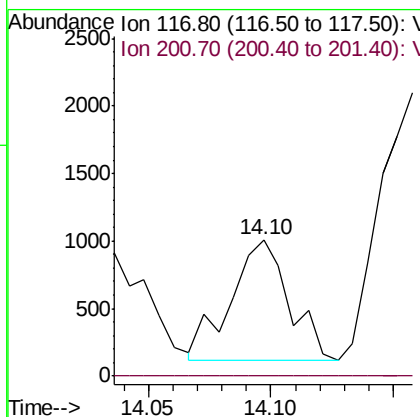
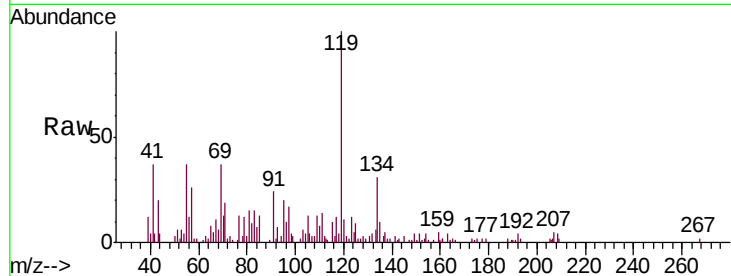




#90
Hexachloroethane
Concen: 20.058 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

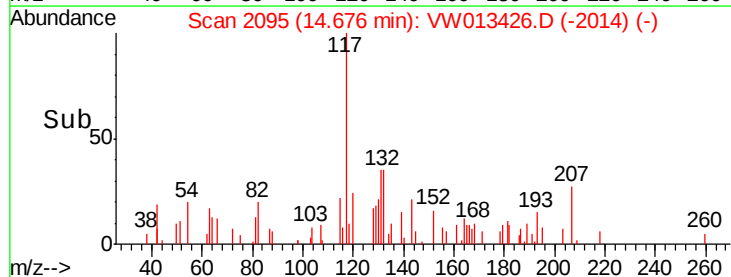
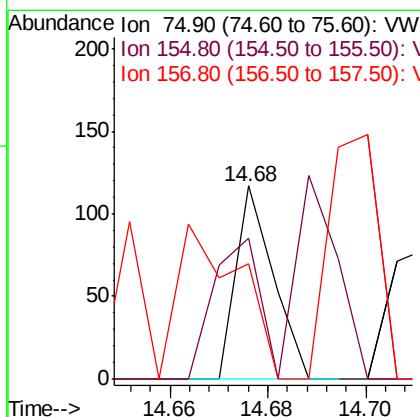
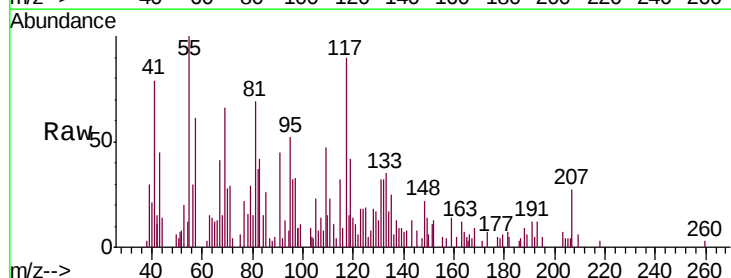
Instrument :
MSVOA_W
ClientSampleId :
RBR-200055-RT-1868

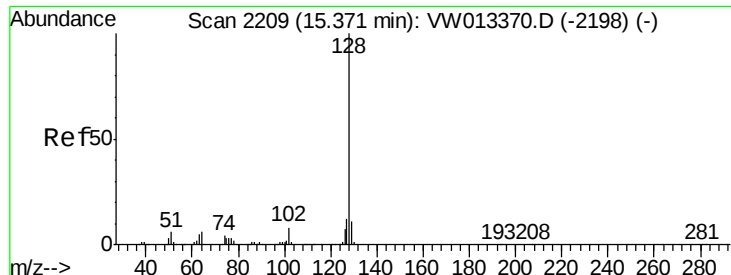
Tgt Ion: 117 Resp: 1476
Ion Ratio Lower Upper
117 100
201 0.0 44.5 133.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.097 ug/l
RT: 14.68 min Scan# 2095
Delta R.T. 0.20 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

Tgt Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
155 90.3 46.1 138.3
157 132.3 60.4 181.2

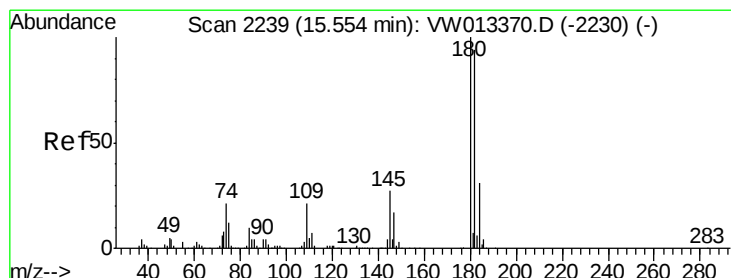
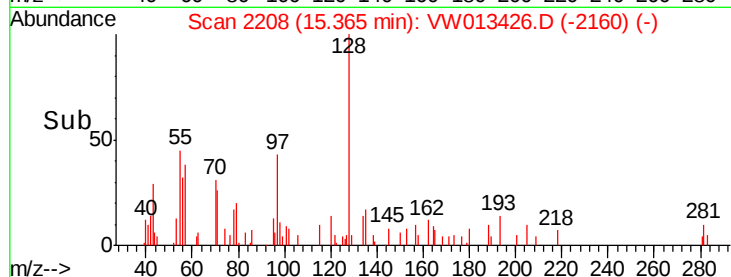
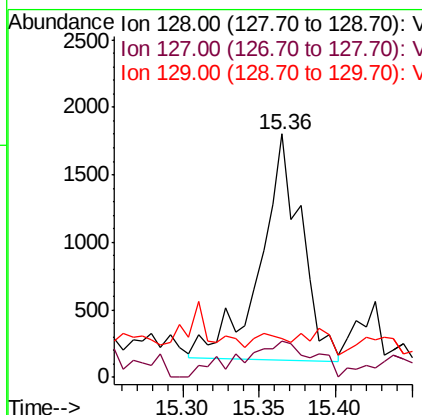
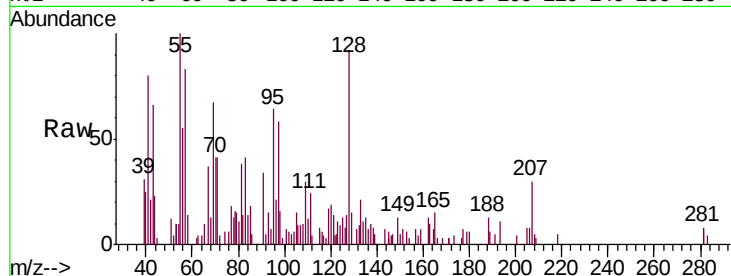




#95
Naphthalene
Concen: 13.484 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

Instrument :
MSVOA_W
ClientSampleId :
RBR-200055-RT-1868

Tgt Ion:128 Resp: 3132
Ion Ratio Lower Upper
128 100
127 24.1 10.6 15.8#
129 3.9 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.136 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW013426.D
Acq: 03 Oct 2019 17:28

Tgt Ion:180 Resp: 377
Ion Ratio Lower Upper
180 100
182 30.5 47.9 143.7#
145 132.6 15.0 45.0#

