

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012819\
 Data File : VW008437.D
 Acq On : 28 Jan 2019 14:07
 Operator : SY/VA
 Sample : K1255-01RE
 Misc : 8.91G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR200036

Quant Time: Jan 29 04:14:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	411184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	657393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	596678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	298016	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	221199	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
35) Dibromofluoromethane	7.88	113	206228	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	
50) Toluene-d8	10.32	98	786075	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.62	95	294670	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	

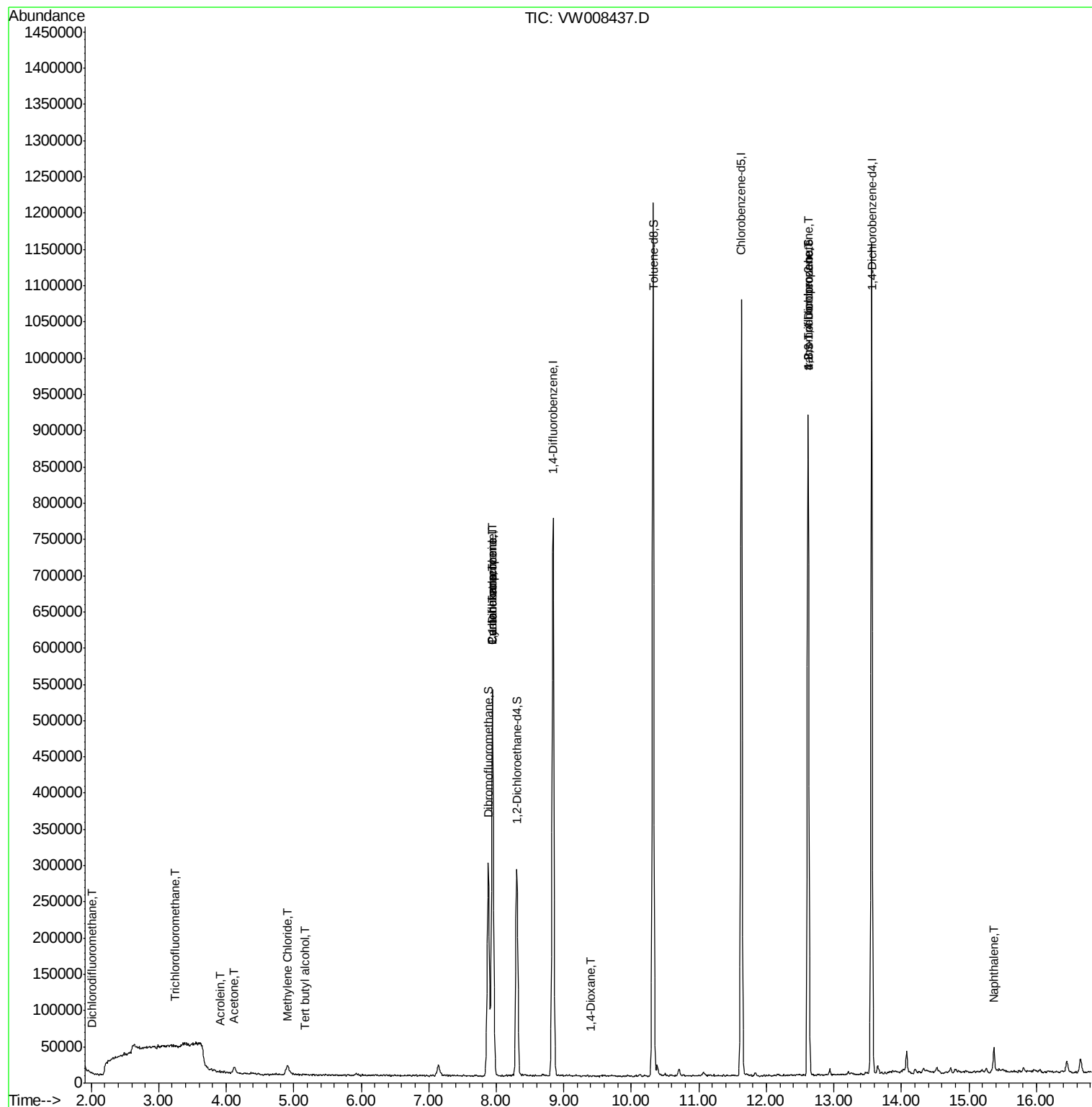
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	1462	3.828	ug/l #	45
7) Trichlorofluoromethane	3.24	101	534	4.855	ug/l	99
11) Tert butyl alcohol	5.17	59	850	2.614	ug/l #	56
13) Acrolein	3.90	56	300	5.213	ug/l	87
16) Acetone	4.12	43	14928	16.456	ug/l	97
20) Methylene Chloride	4.91	84	11226	2.685	ug/l #	83
31) Cyclohexane	7.95	56	8953	1.129	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	28874	4.650	ug/l #	48
38) Carbon Tetrachloride	7.95	117	40144	6.424	ug/l #	16
49) 1,4-Dioxane	9.40	88	42	1.124	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	147752	57.024	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	147752	112.627	ug/l #	12
95) Naphthalene	15.37	128	27084	2.493	ug/l	97

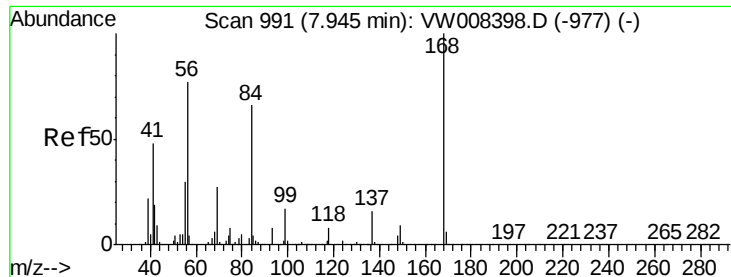
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008437.D

Acq: 28 Jan 2019 14:07

Instrument :

MSVOA_W

ClientSampleId :

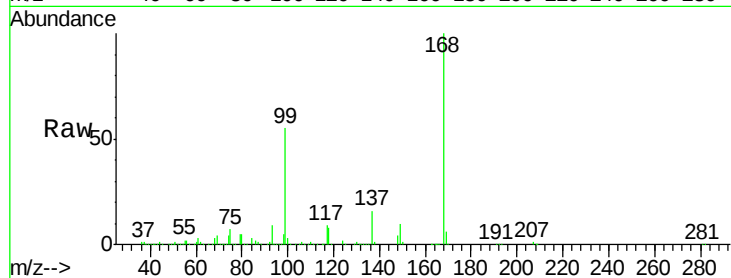
RBR200036

Tgt Ion:168 Resp: 411184

Ion Ratio Lower Upper

168 100

99 55.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

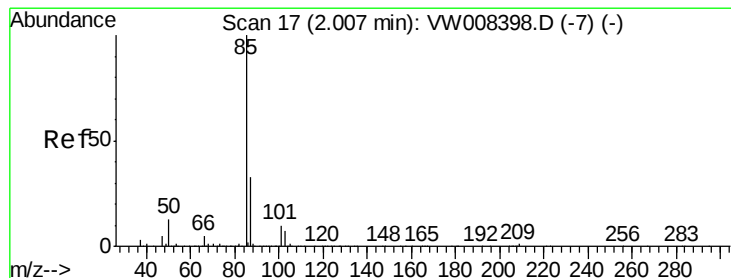
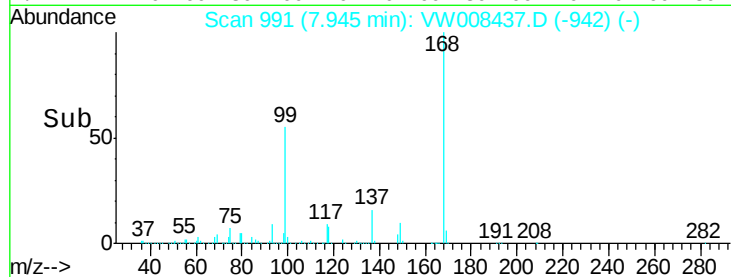
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.828 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008437.D

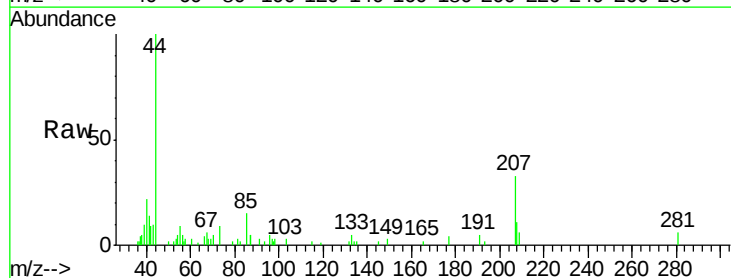
Acq: 28 Jan 2019 14:07

Tgt Ion: 85 Resp: 1462

Ion Ratio Lower Upper

85 100

87 64.8 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

600

500

400

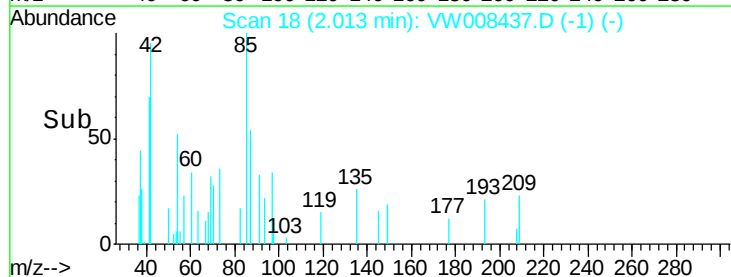
300

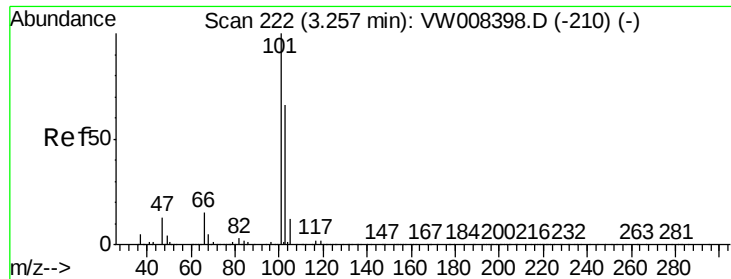
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100

0

Time-->



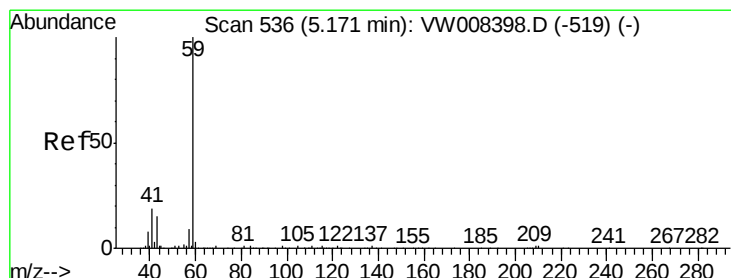
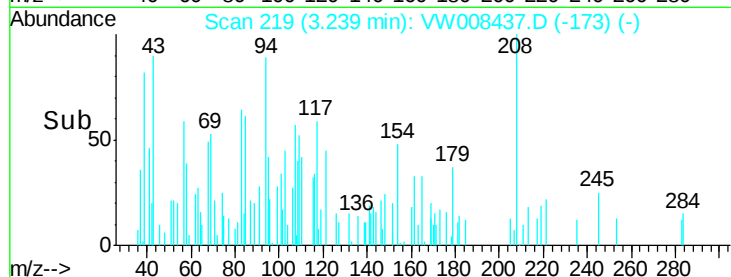
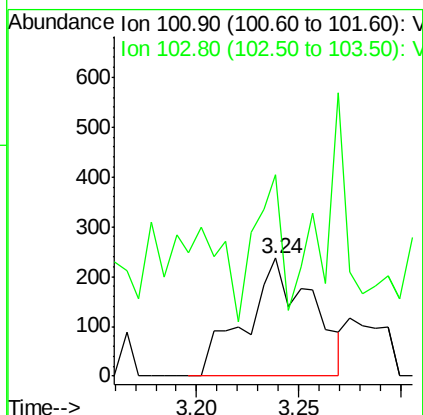
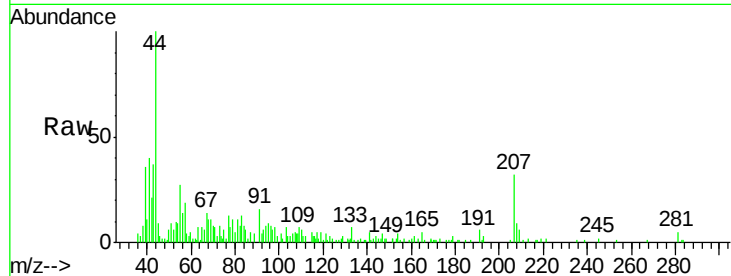


#7

Trichlorofluoromethane
Concen: 4.855 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.02 min
Lab File: VW008437.D
Acq: 28 Jan 2019 14:07

Instrument :
MSVOA_W
ClientSampleId :
RBR200036

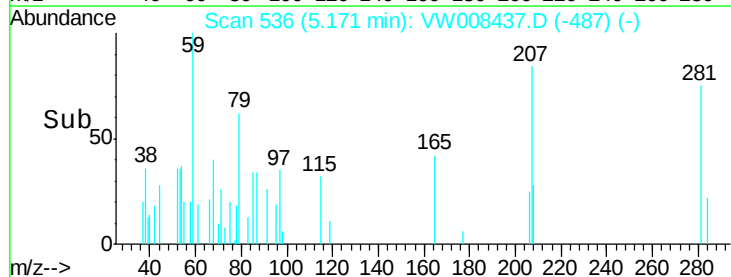
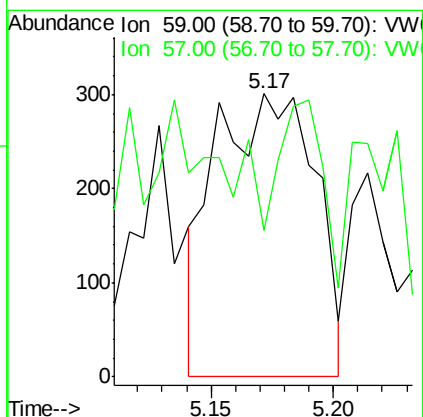
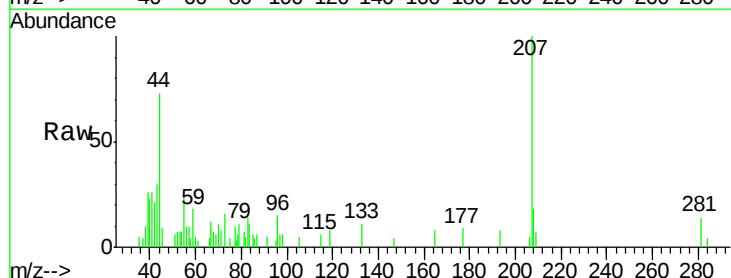
Tgt Ion:101 Resp: 534
Ion Ratio Lower Upper
101 100
103 66.7 52.5 78.7

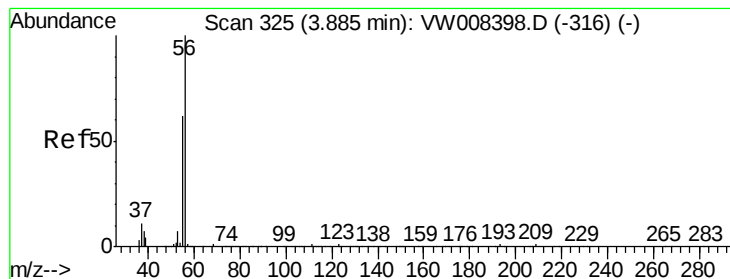


#11

Tert butyl alcohol
Concen: 2.614 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008437.D
Acq: 28 Jan 2019 14:07

Tgt Ion: 59 Resp: 850
Ion Ratio Lower Upper
59 100
57 28.4 9.3 13.9#





#13

Acrolein

Concen: 5.213 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.02 min

Lab File: VW008437.D

Acq: 28 Jan 2019 14:07

Instrument :

MSVOA_W

ClientSampleId :

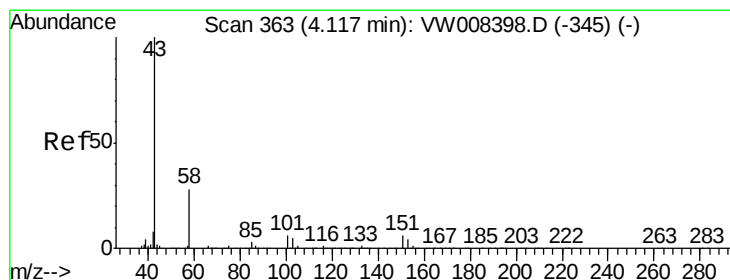
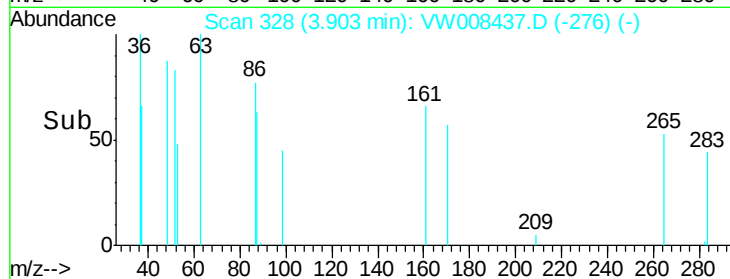
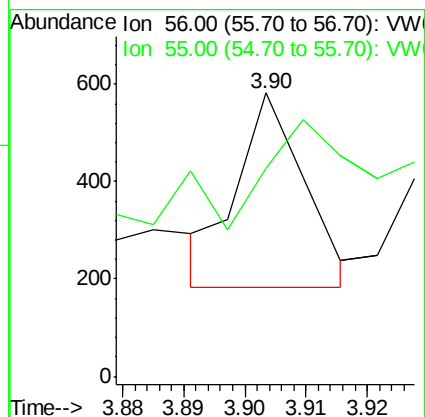
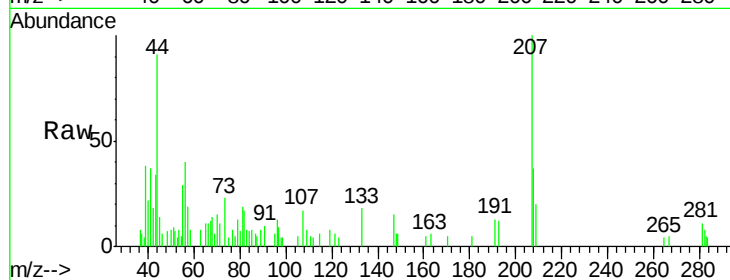
RBR200036

Tgt Ion: 56 Resp: 300

Ion Ratio Lower Upper

56 100

55 82.0 56.7 85.1



#16

Acetone

Concen: 16.456 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008437.D

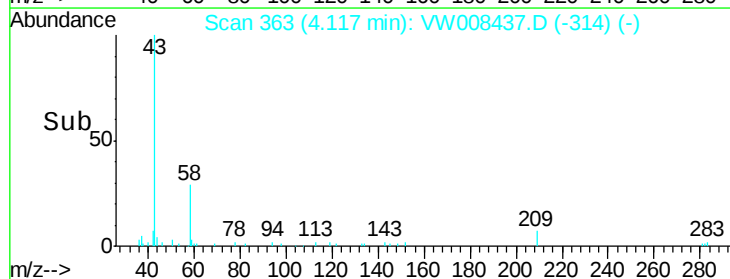
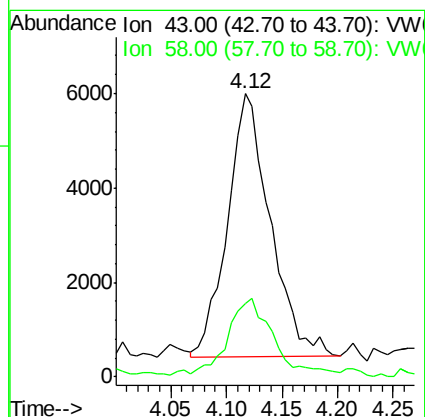
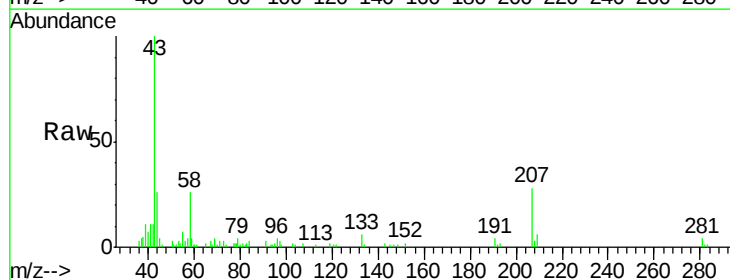
Acq: 28 Jan 2019 14:07

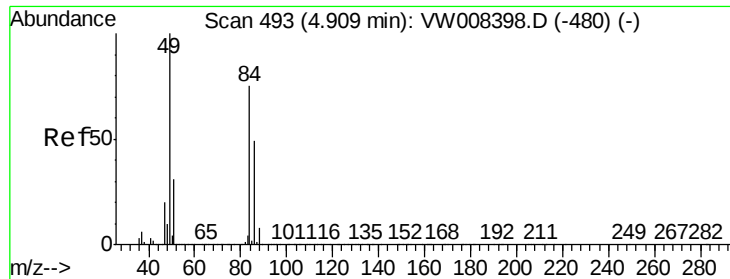
Tgt Ion: 43 Resp: 14928

Ion Ratio Lower Upper

43 100

58 26.8 22.6 34.0

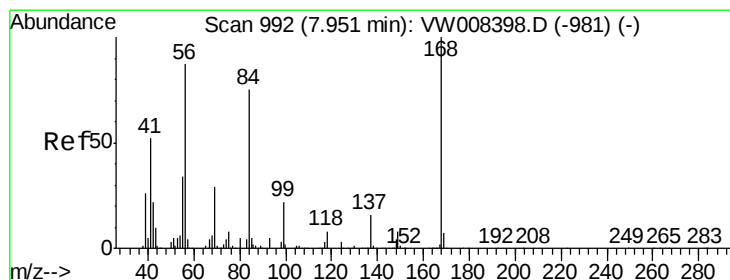
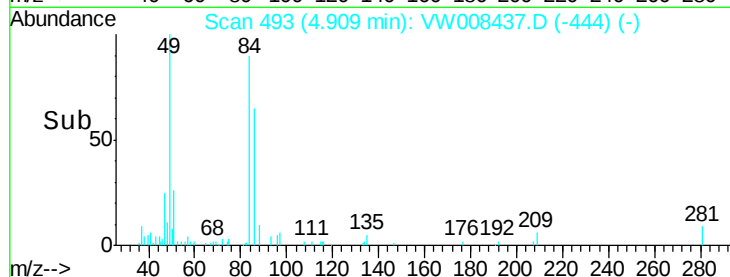
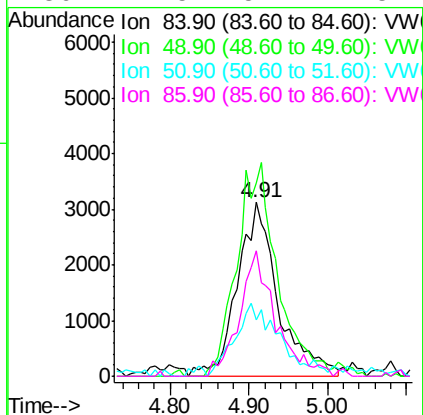
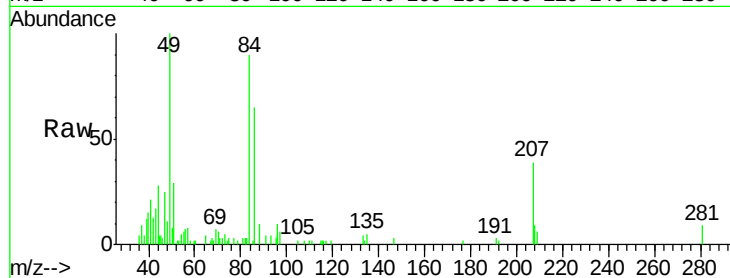




#20
Methylene Chloride
Concen: 2.685 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008437.D
Acq: 28 Jan 2019 14:07

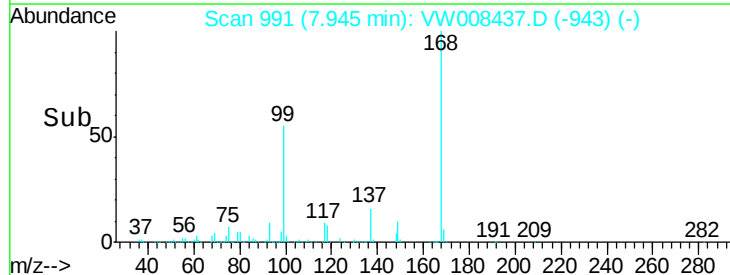
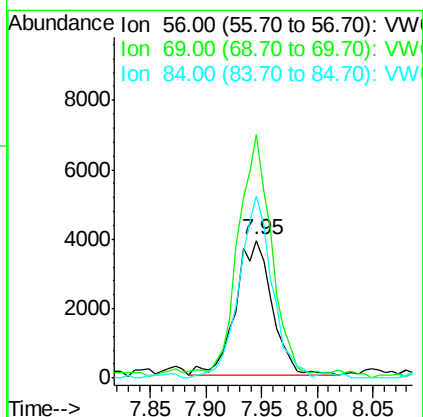
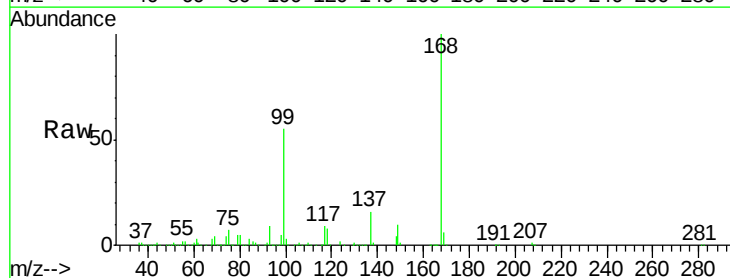
Instrument :
MSVOA_W
ClientSampleId :
RBR200036

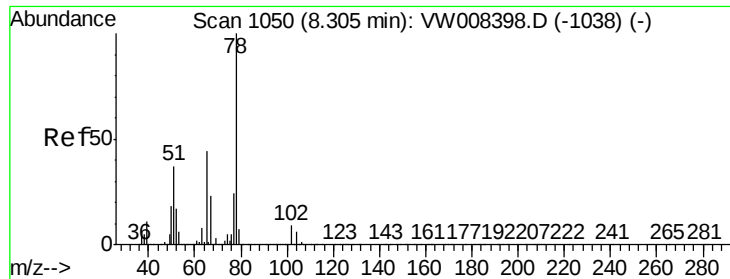
Tgt Ion: 84 Resp: 11226
Ion Ratio Lower Upper
84 100
49 111.2 106.8 160.2
51 28.3 32.9 49.3#
86 72.5 52.2 78.2



#31
Cyclohexane
Concen: 1.129 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008437.D
Acq: 28 Jan 2019 14:07

Tgt Ion: 56 Resp: 8953
Ion Ratio Lower Upper
56 100
69 175.7 26.4 39.6#
84 134.5 69.1 103.7#

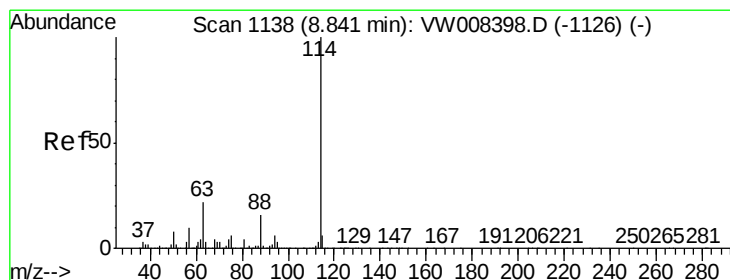
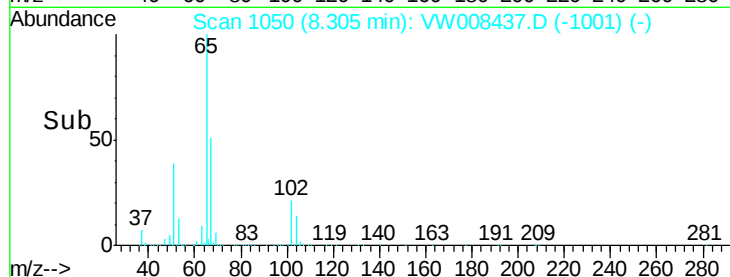
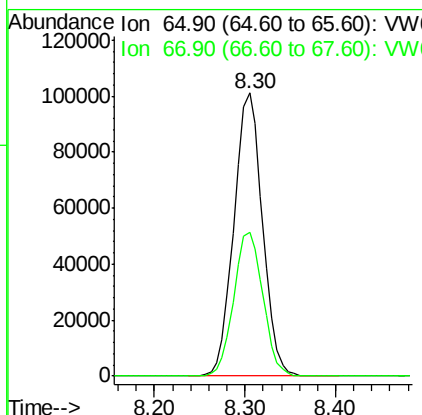
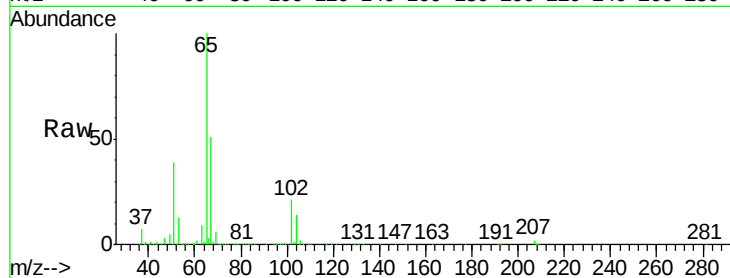




#33
 1,2-Dichloroethane-d4
 Concen: 54.759 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008437.D
 Acq: 28 Jan 2019 14:07

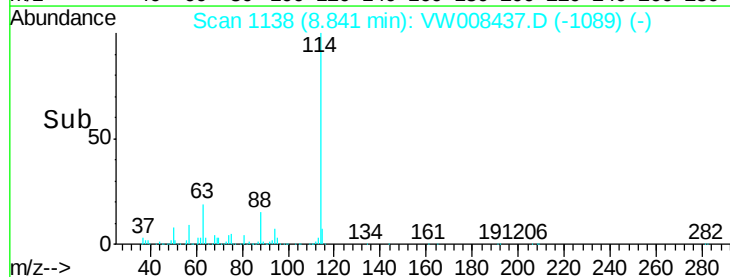
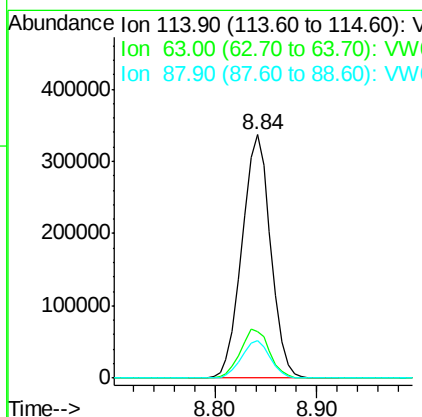
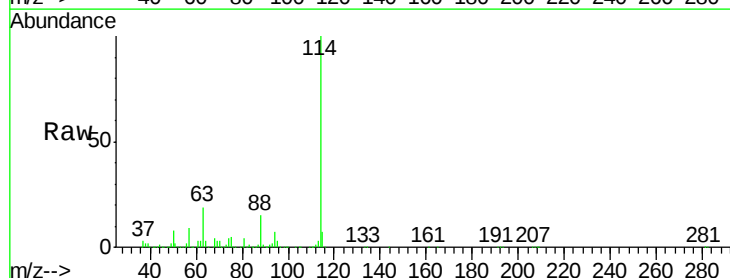
Instrument :
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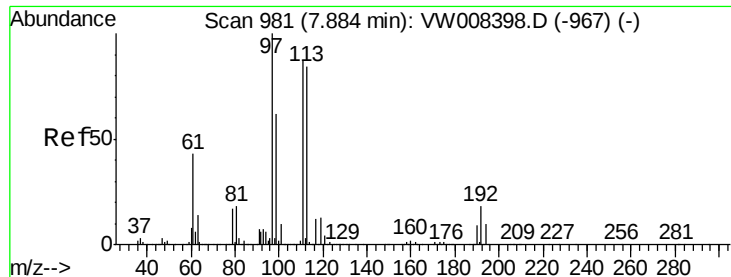
Tgt Ion: 65 Resp: 221199
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008437.D
 Acq: 28 Jan 2019 14:07

Tgt Ion: 114 Resp: 657393
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 43.6
 88 15.3 0.0 31.8

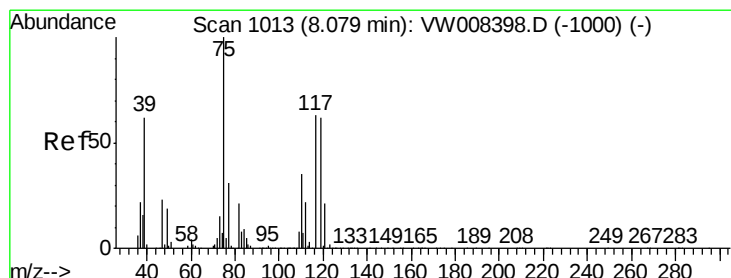
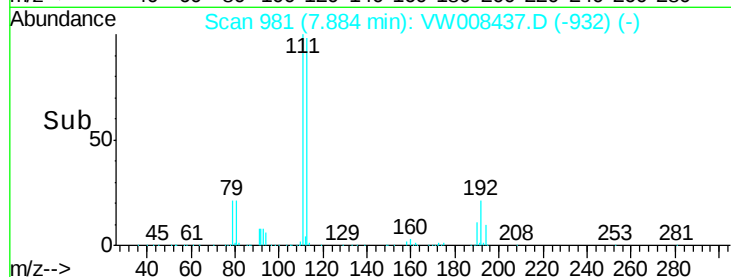
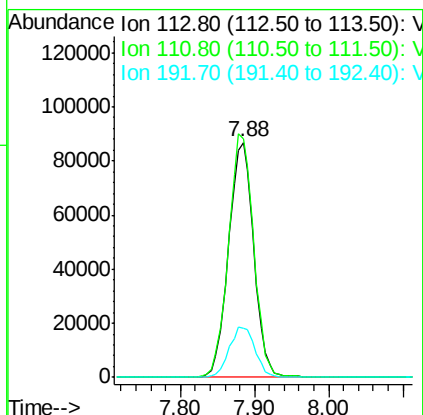
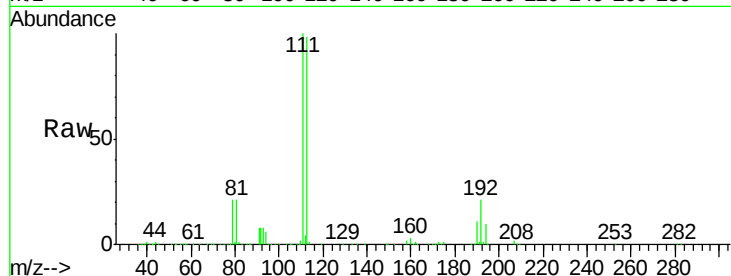




#35
 Dibromofluoromethane
 Concen: 53.649 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008437.D
 Acq: 28 Jan 2019 14:07

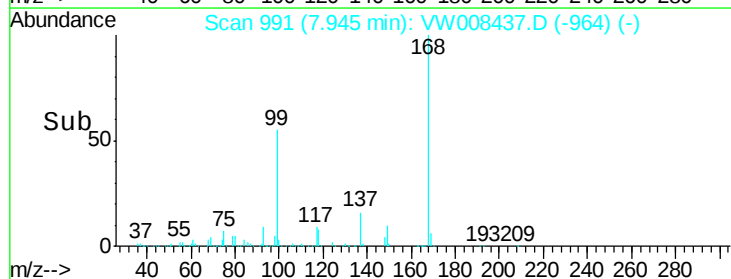
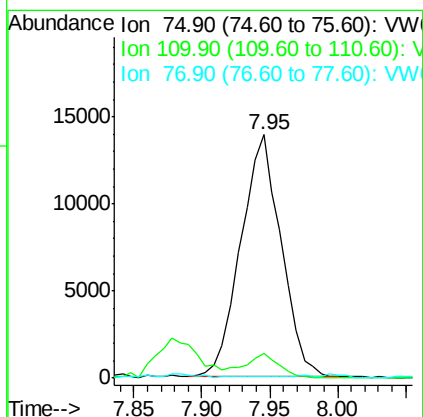
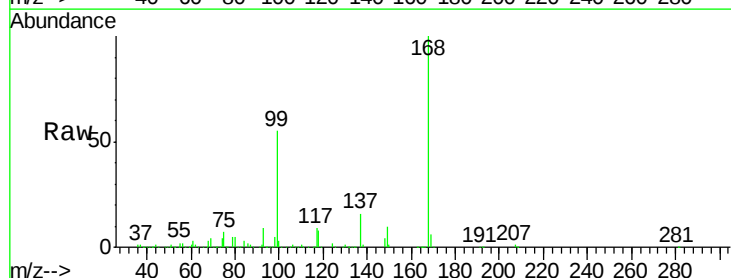
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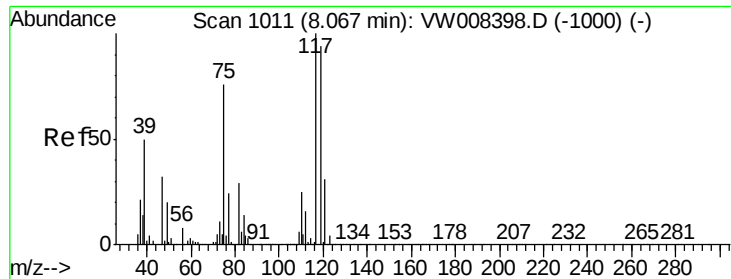
Tgt Ion: 113 Resp: 206228
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.0 121.4
 192 21.9 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.650 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008437.D
 Acq: 28 Jan 2019 14:07

Tgt Ion: 75 Resp: 28874
 Ion Ratio Lower Upper
 75 100
 110 7.2 17.3 52.0#
 77 0.0 24.7 37.1#

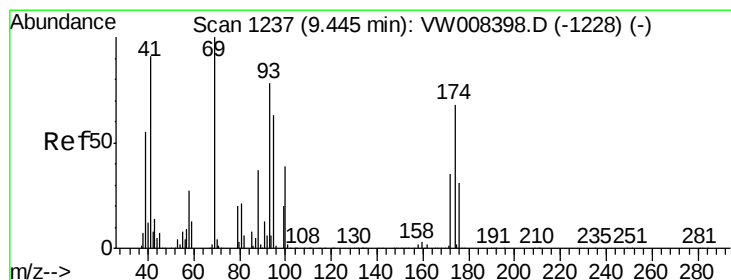
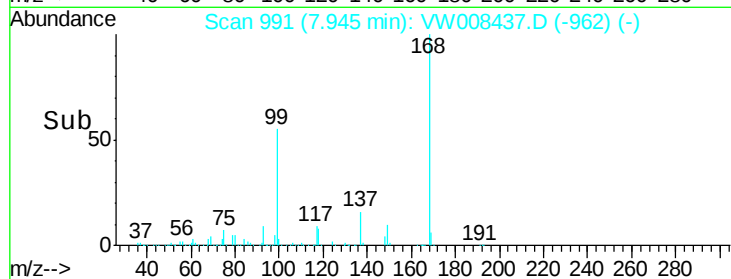
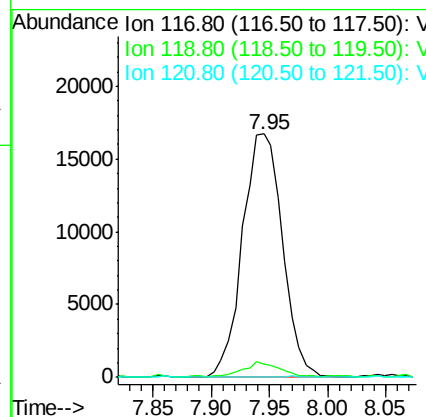
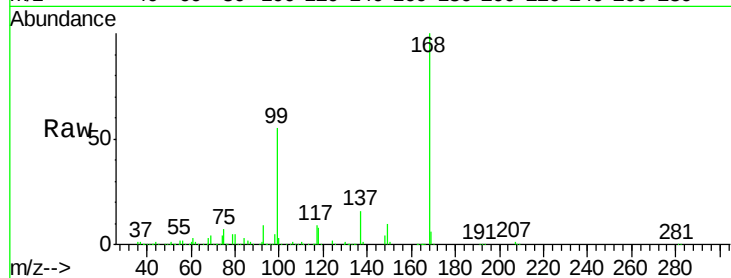




#38
Carbon Tetrachloride
Concen: 6.424 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008437.D
Acq: 28 Jan 2019 14:07

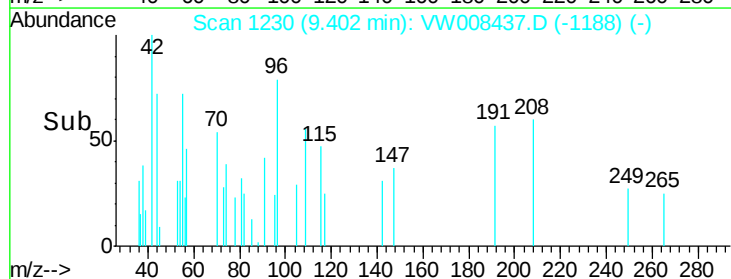
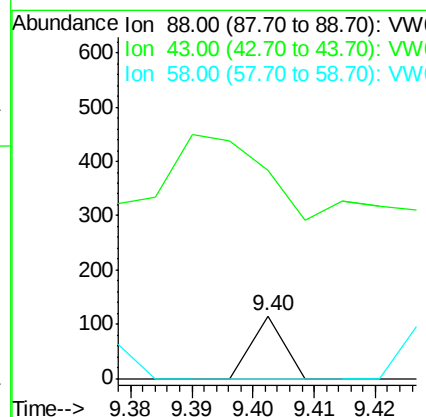
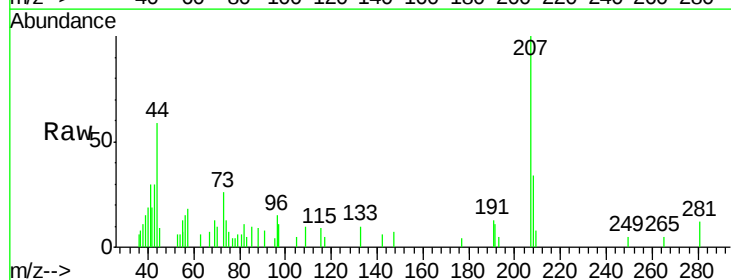
Instrument :
MSVOA_W
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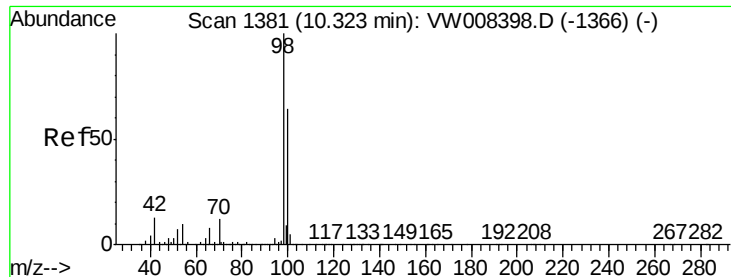
Tgt Ion:117 Resp: 40144
Ion Ratio Lower Upper
117 100
119 4.5 75.0 112.4#
121 0.0 24.9 37.3#



#49
1,4-Dioxane
Concen: 1.124 ug/l
RT: 9.40 min Scan# 1230
Delta R.T. -0.04 min
Lab File: VW008437.D
Acq: 28 Jan 2019 14:07

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 823.8 29.0 43.4#
58 0.0 56.4 84.6#





#50

Toluene-d8

Concen: 50.995 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008437.D

Acq: 28 Jan 2019 14:07

Instrument :

MSVOA_W

ClientSampleId :

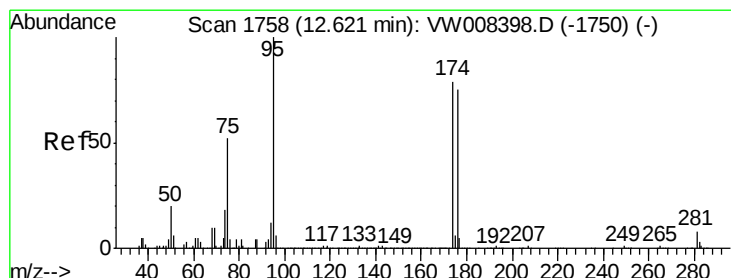
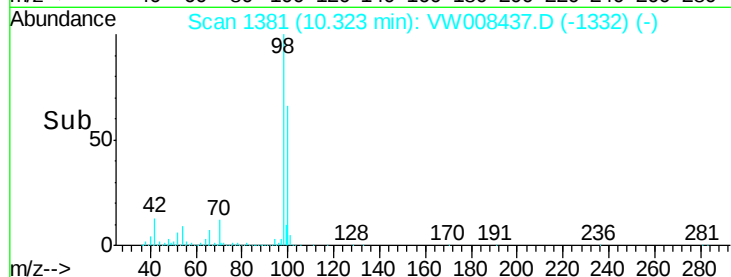
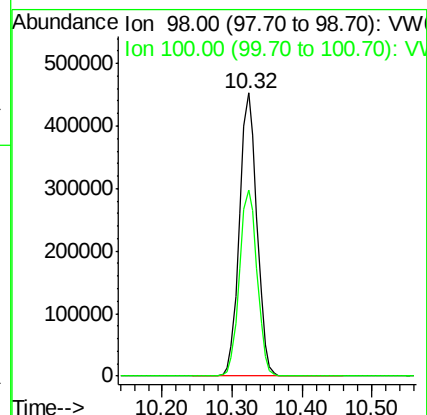
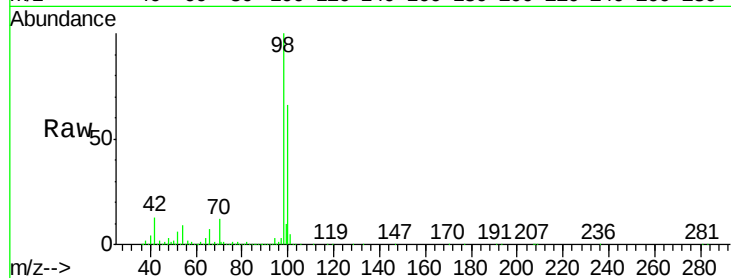
RBR200036

Tgt Ion: 98 Resp: 786075

Ion Ratio Lower Upper

98 100

100 66.5 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 49.732 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008437.D

Acq: 28 Jan 2019 14:07

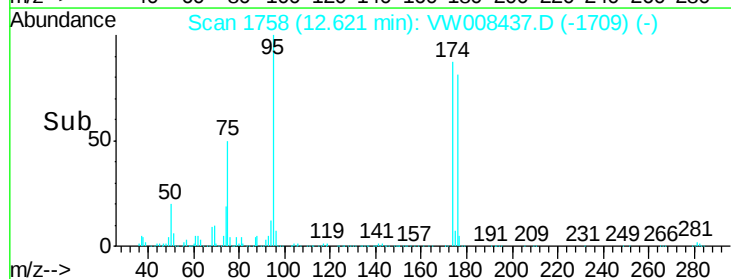
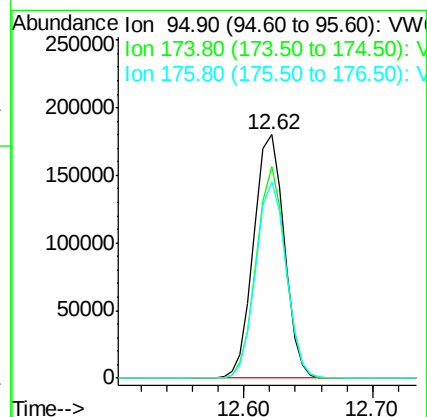
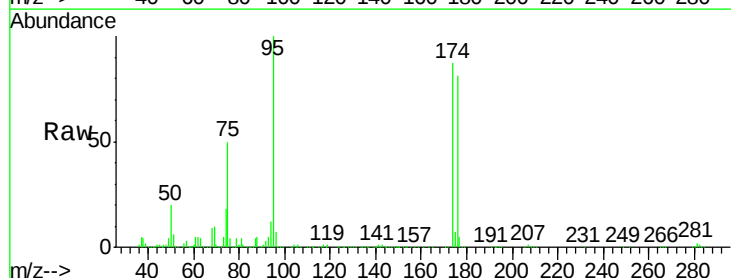
Tgt Ion: 95 Resp: 294670

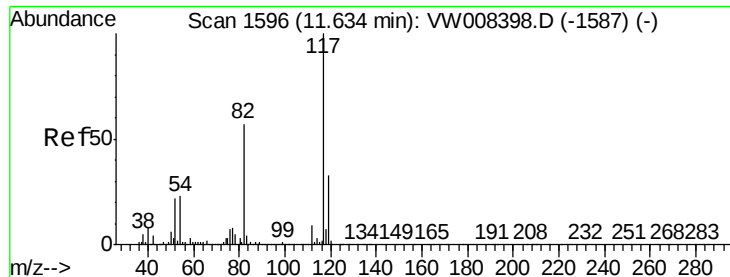
Ion Ratio Lower Upper

95 100

174 83.1 0.0 157.6

176 80.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008437.D

Acq: 28 Jan 2019 14:07

Instrument :

MSVOA_W

ClientSampleId :

RBR200036

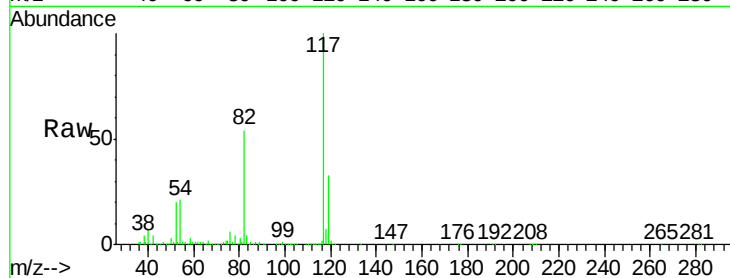
Tgt Ion:117 Resp: 596678

Ion Ratio Lower Upper

117 100

82 54.4 45.4 68.0

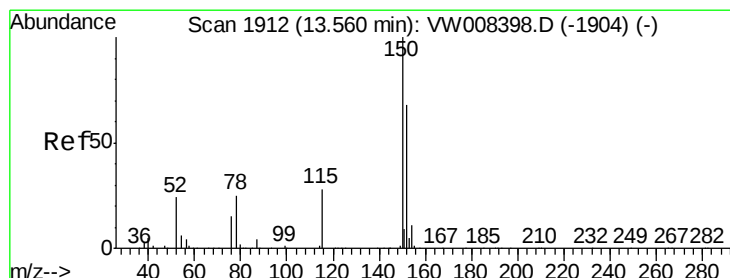
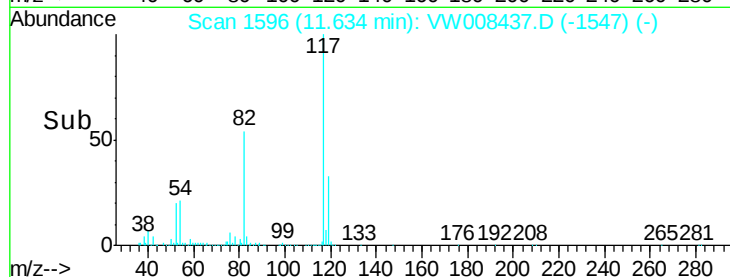
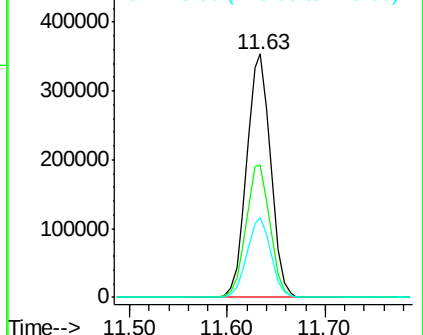
119 32.7 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): 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: VW008437.D

Acq: 28 Jan 2019 14:07

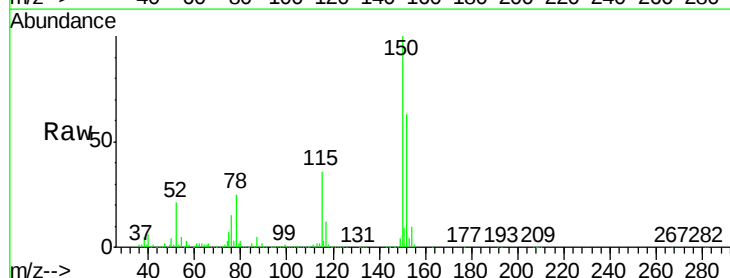
Tgt Ion:152 Resp: 298016

Ion Ratio Lower Upper

152 100

115 57.4 29.9 89.7

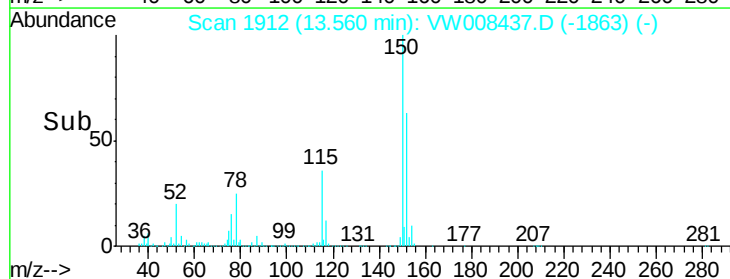
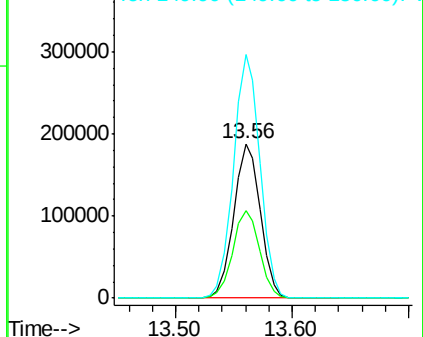
150 157.0 0.0 351.4

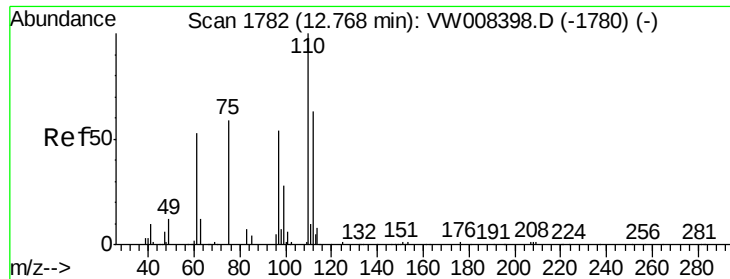


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 57.024 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008437.D

Acq: 28 Jan 2019 14:07

Instrument :

MSVOA_W

ClientSampled :

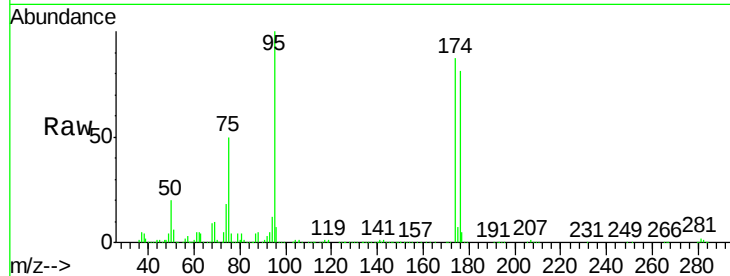
RBR200036

Tgt Ion: 75 Resp: 147752

Ion Ratio Lower Upper

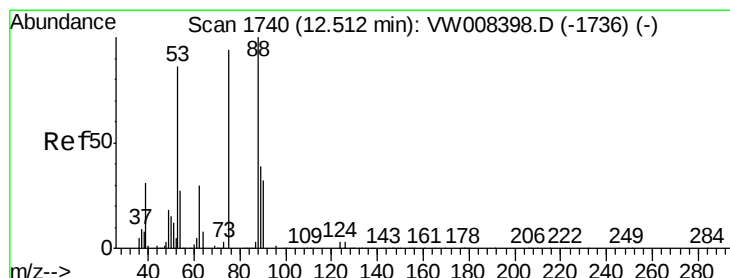
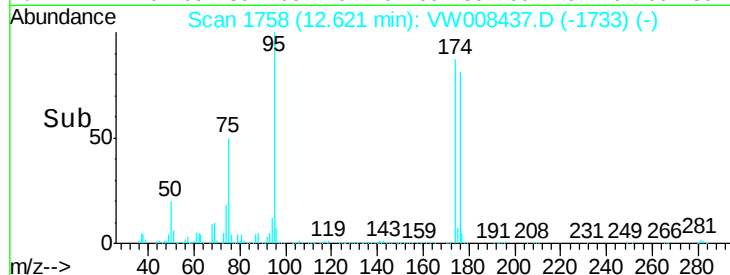
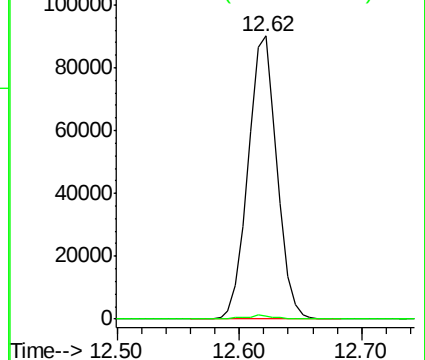
75 100

77 1.6 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 112.627 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008437.D

Acq: 28 Jan 2019 14:07

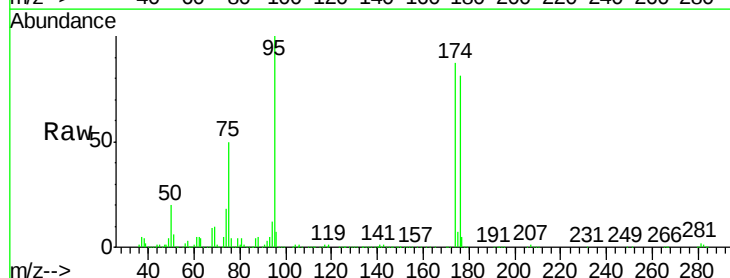
Tgt Ion: 75 Resp: 147752

Ion Ratio Lower Upper

75 100

53 0.3 76.0 114.0#

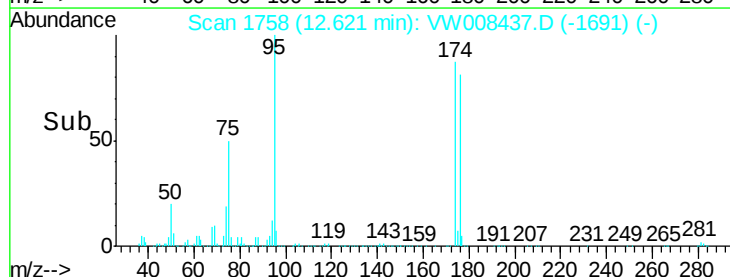
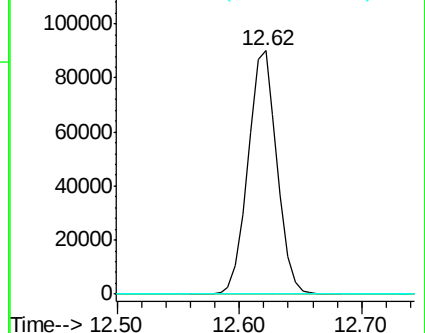
89 0.0 35.4 53.0#

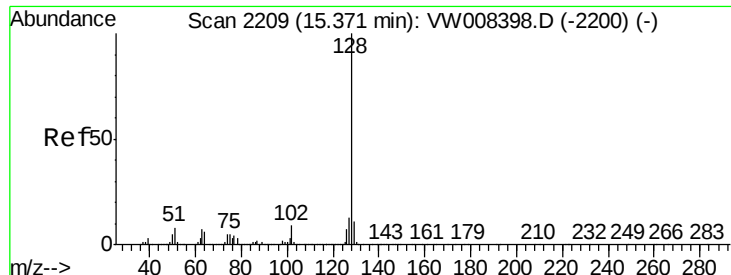


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 2.493 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008437.D

Acq: 28 Jan 2019 14:07

Instrument :

MSVOA_W

ClientSampleId :

RBR200036

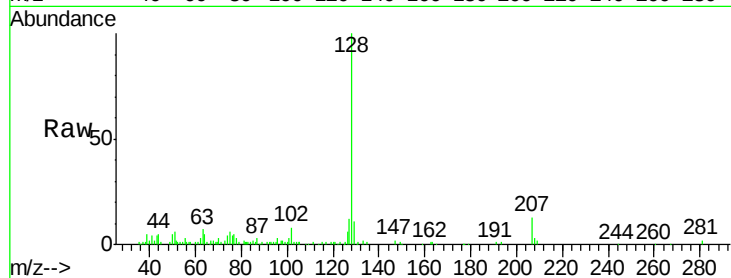
Tgt Ion:128 Resp: 27084

Ion Ratio Lower Upper

128 100

127 15.0 10.6 15.8

129 11.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

