

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020119\
 Data File : VW008491.D
 Acq On : 01 Feb 2019 19:31
 Operator : SY/VA
 Sample : K1360-03
 Misc : 6.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200034

Quant Time: Feb 02 00:46:58 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	354413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	565827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	517811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	254921	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	185592	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	
35) Dibromofluoromethane	7.88	113	179133	54.14	ug/l	0.00
Spiked Amount			Recovery	=	108.28%	
50) Toluene-d8	10.32	98	665893	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.62	95	252205	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	

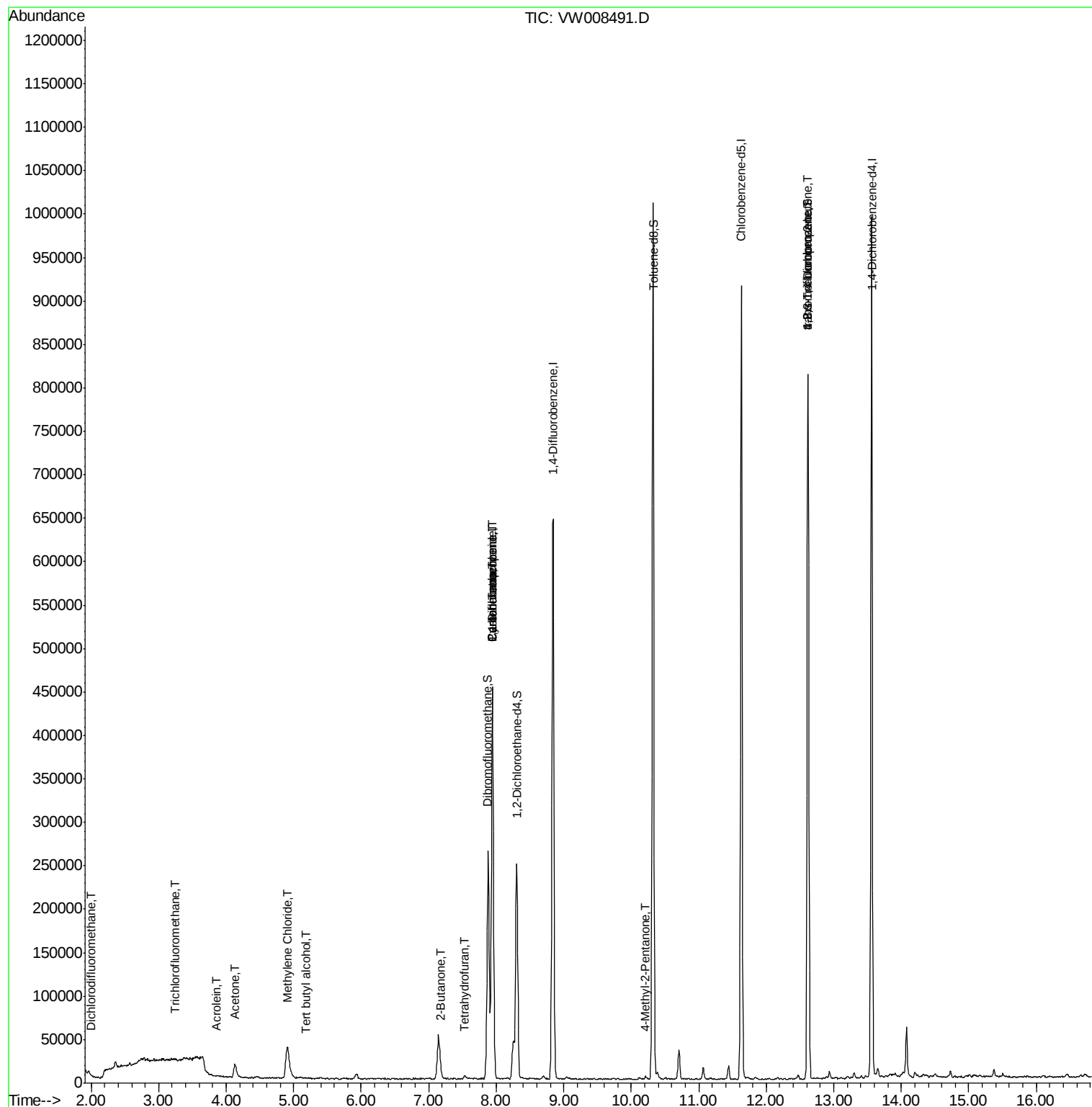
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	150	3.321	ug/l #	41
7) Trichlorofluoromethane	3.25	101	340	4.821	ug/l #	55
11) Tert butyl alcohol	5.19	59	822	2.932	ug/l #	55
13) Acrolein	3.87	56	183	4.913	ug/l #	14
16) Acetone	4.13	43	28766	36.791	ug/l	94
20) Methylene Chloride	4.91	84	33253	9.227	ug/l	92
25) 2-Butanone	7.18	43	5338	4.915	ug/l	91
29) Tetrahydrofuran	7.53	42	2928	4.254	ug/l #	55
31) Cyclohexane	7.95	56	8129	1.190	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	24646	4.611	ug/l #	52
38) Carbon Tetrachloride	7.95	117	32984	6.133	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	2804	1.155	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	124929	56.367	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	124929	111.329	ug/l #	12

(#) = 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: VW008491.D

Acq: 01 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

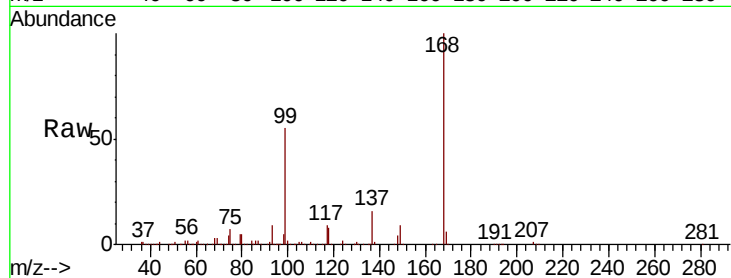
RBR-200034

Tgt Ion:168 Resp: 354413

Ion Ratio Lower Upper

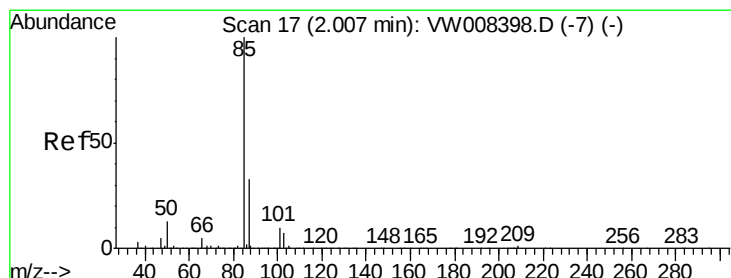
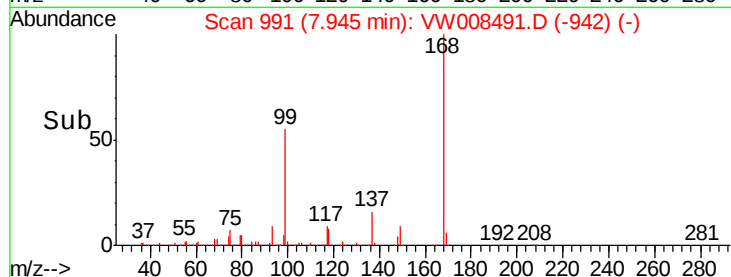
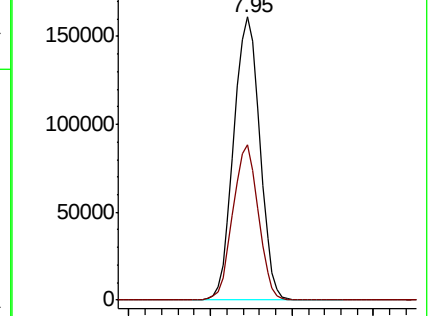
168 100

99 54.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 3.321 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008491.D

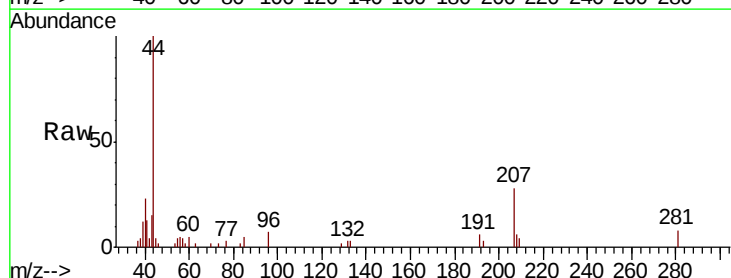
Acq: 01 Feb 2019 19:31

Tgt Ion: 85 Resp: 150

Ion Ratio Lower Upper

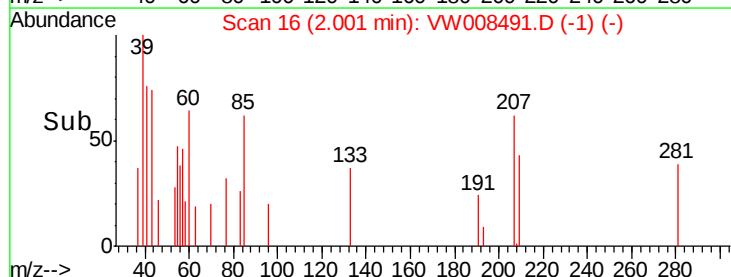
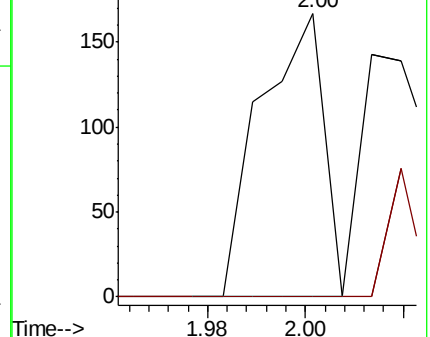
85 100

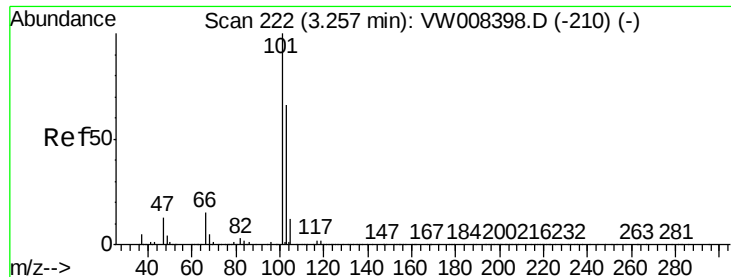
87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



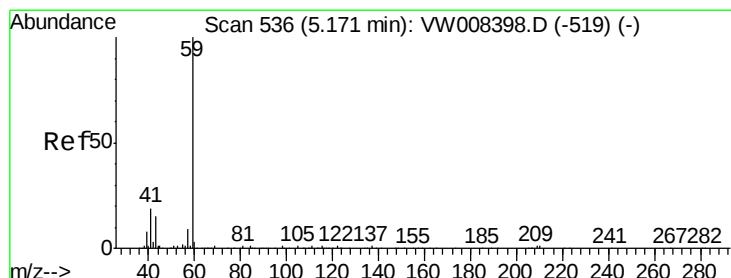
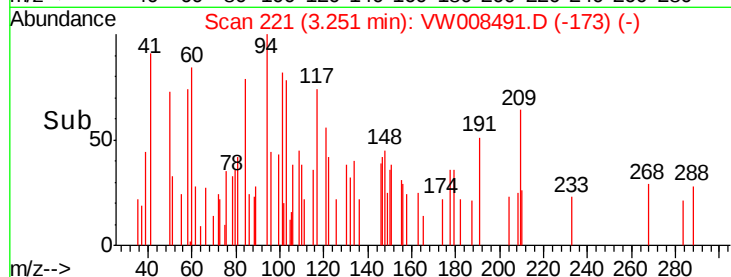
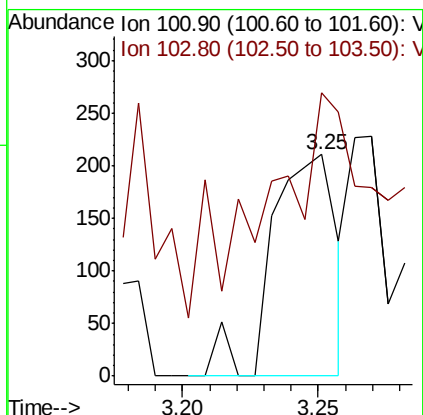
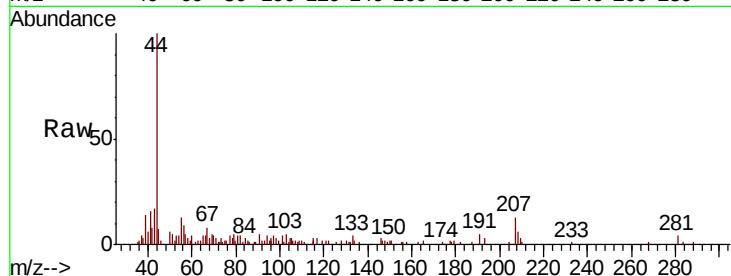


#7

Trichlorofluoromethane
Concen: 4.821 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008491.D
Acq: 01 Feb 2019 19:31

Instrument :
MSVOA_W
ClientSampled :
RBR-200034

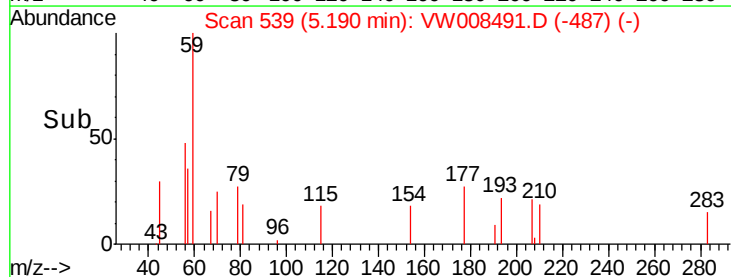
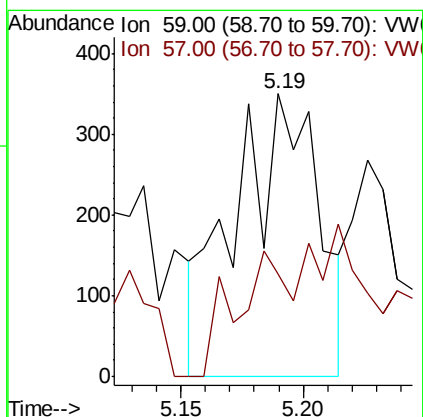
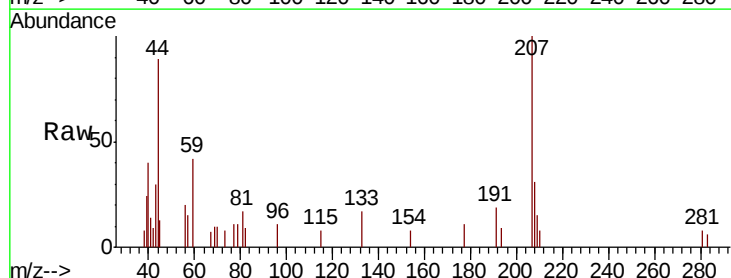
Tgt Ion: 101 Resp: 340
Ion Ratio Lower Upper
101 100
103 101.4 52.5 78.7#

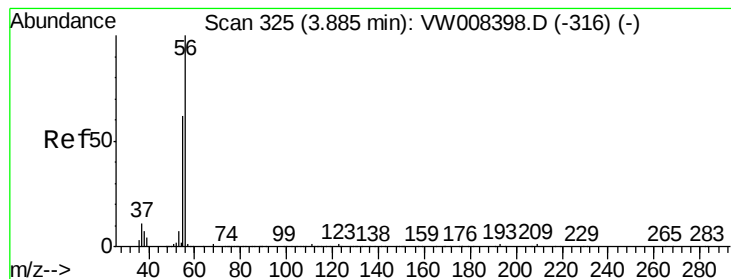


#11

Tert butyl alcohol
Concen: 2.932 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW008491.D
Acq: 01 Feb 2019 19:31

Tgt Ion: 59 Resp: 822
Ion Ratio Lower Upper
59 100
57 29.0 9.3 13.9#





#13

Acrolein

Concen: 4.913 ug/l

RT: 3.87 min Scan# 322

Delta R.T. -0.02 min

Lab File: VW008491.D

Acq: 01 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleID :

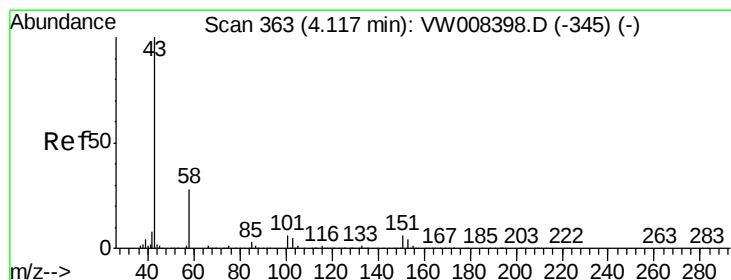
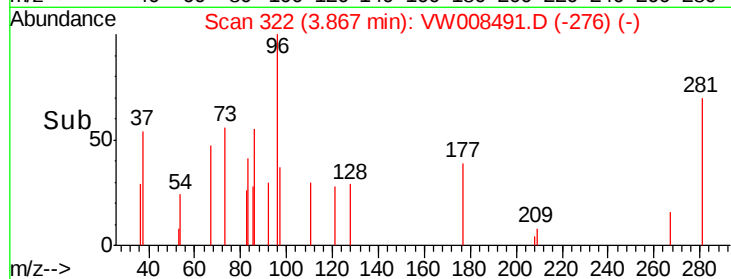
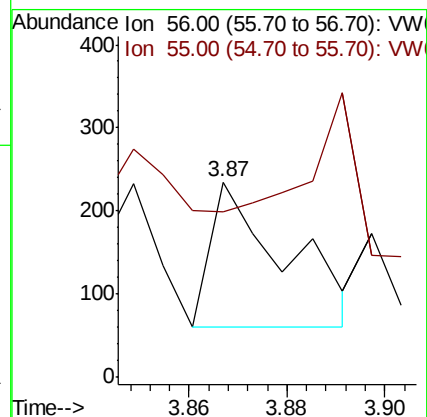
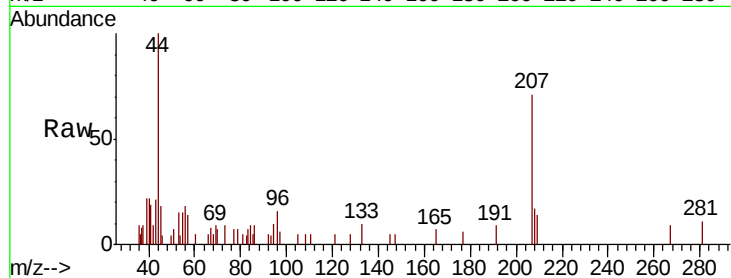
RBR-200034

Tgt Ion: 56 Resp: 183

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 36.791 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008491.D

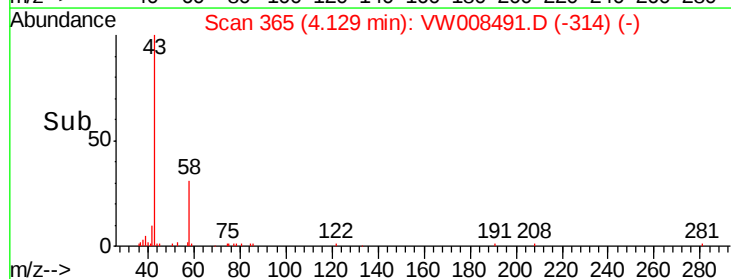
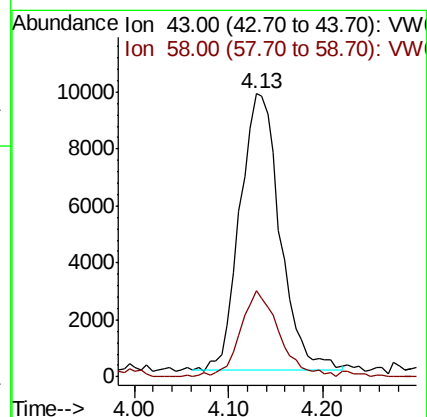
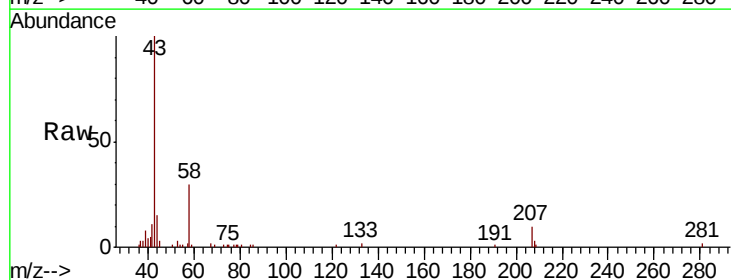
Acq: 01 Feb 2019 19:31

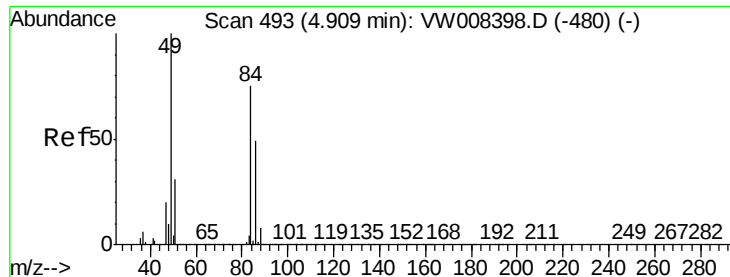
Tgt Ion: 43 Resp: 28766

Ion Ratio Lower Upper

43 100

58 31.2 22.6 34.0

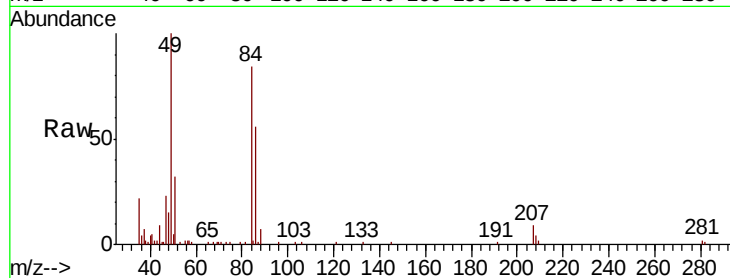




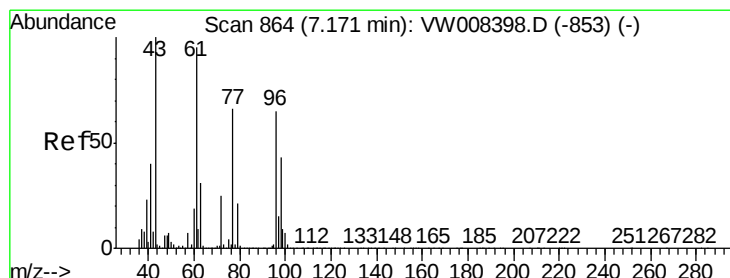
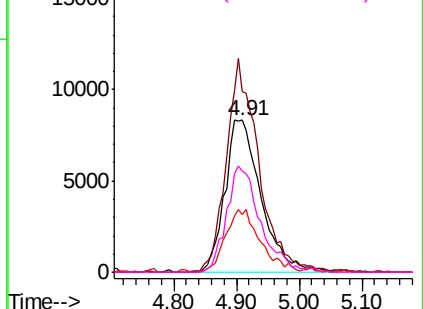
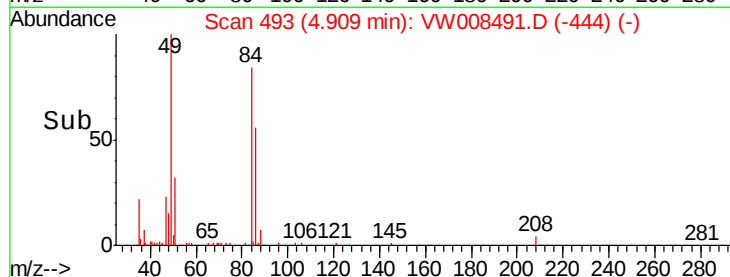
#20
Methylene Chloride
Concen: 9.227 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008491.D
Acq: 01 Feb 2019 19:31

Instrument :
MSVOA_W
ClientSampled :
RBR-200034

Tgt Ion:	84	Resp:	33253
Ion	Ratio	Lower	Upper
84	100		
49	118.7	106.8	160.2
51	36.9	32.9	49.3
86	66.2	52.2	78.2

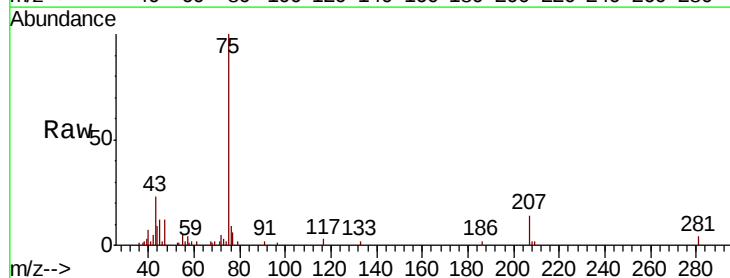


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

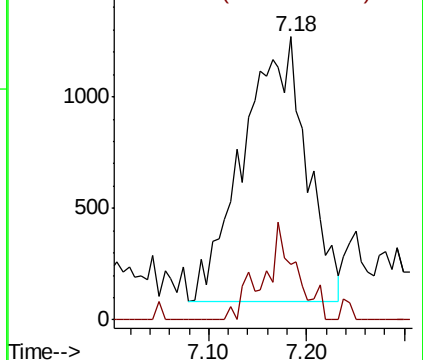
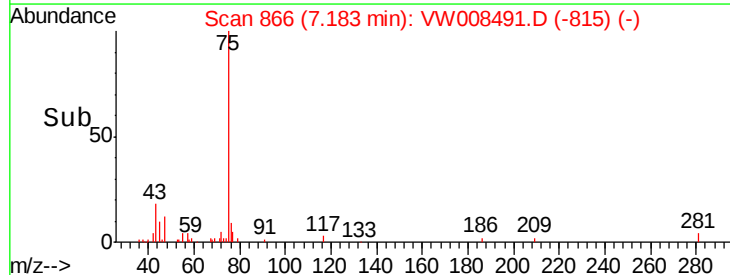


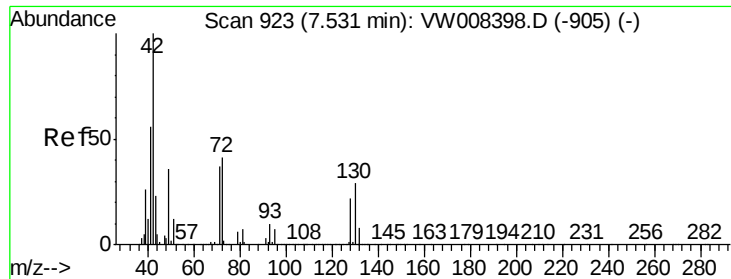
#25
2-Butanone
Concen: 4.915 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008491.D
Acq: 01 Feb 2019 19:31

Tgt Ion:	43	Resp:	5338
Ion	Ratio	Lower	Upper
43	100		
72	20.8	20.1	30.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

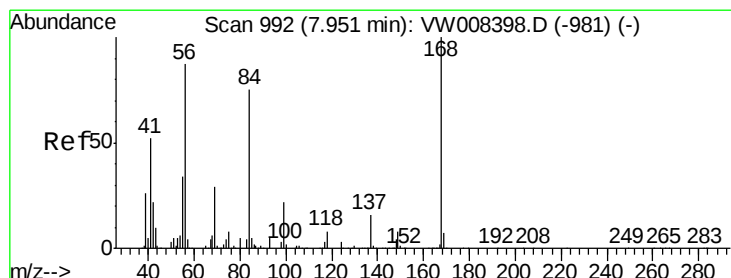
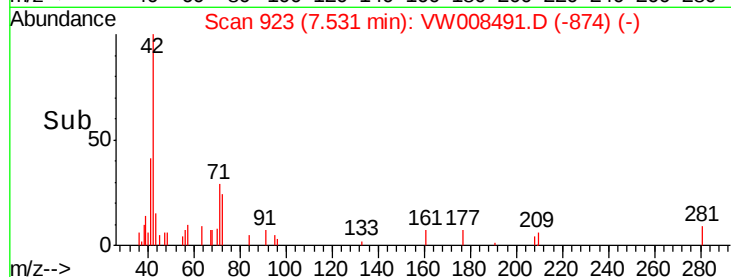
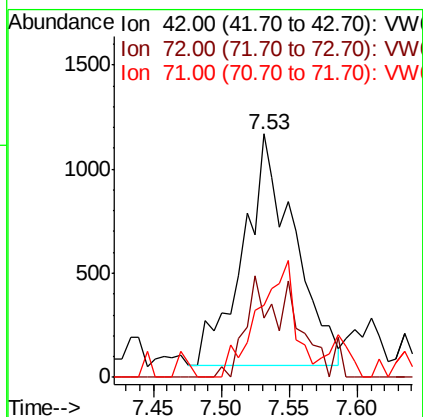
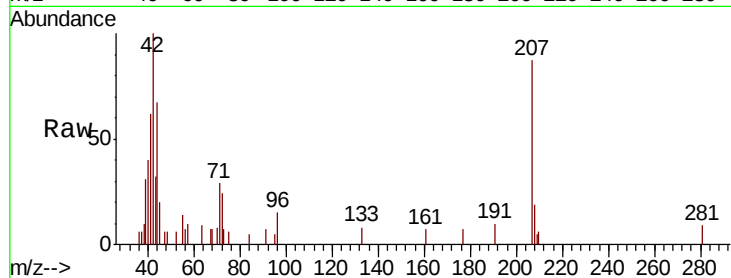




#29
Tetrahydrofuran
Concen: 4.254 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008491.D
Acq: 01 Feb 2019 19:31

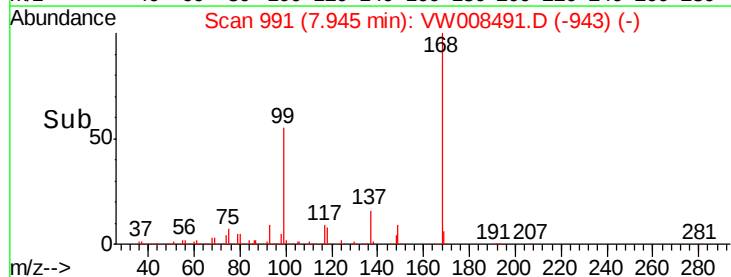
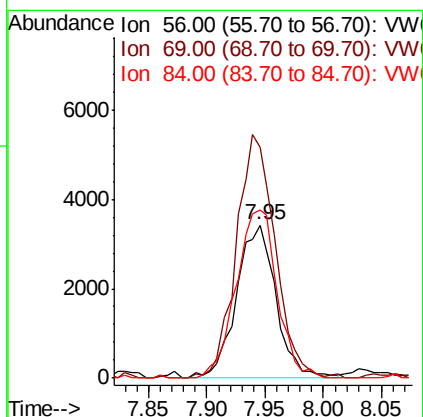
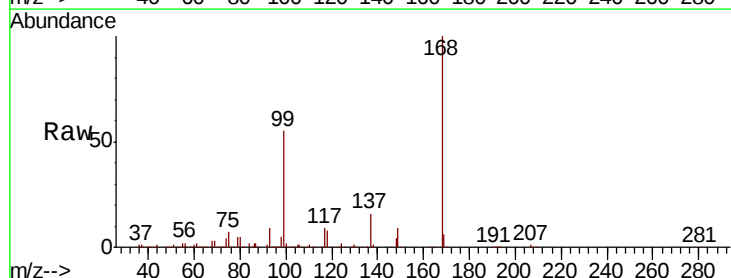
Instrument :
MSVOA_W
ClientSampleId :
RBR-200034

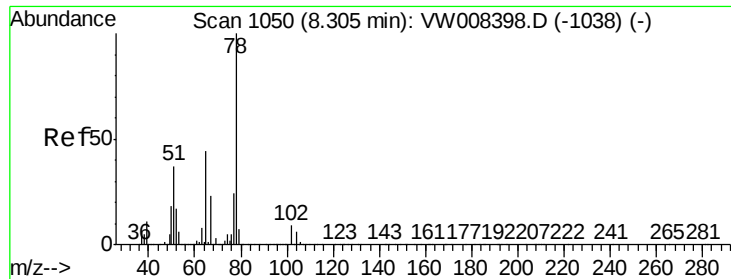
Tgt Ion: 42 Resp: 2928
Ion Ratio Lower Upper
42 100
72 22.7 31.9 47.9#
71 0.0 29.9 44.9#



#31
Cyclohexane
Concen: 1.190 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008491.D
Acq: 01 Feb 2019 19:31

Tgt Ion: 56 Resp: 8129
Ion Ratio Lower Upper
56 100
69 150.7 26.4 39.6#
84 110.3 69.1 103.7#

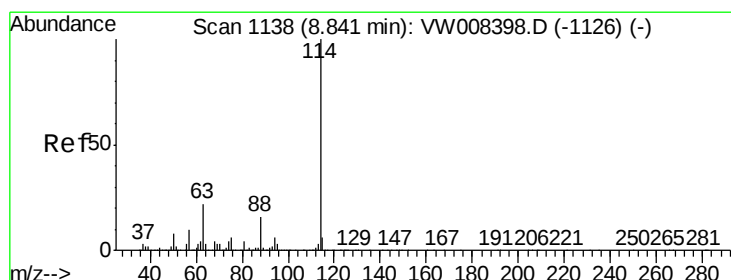
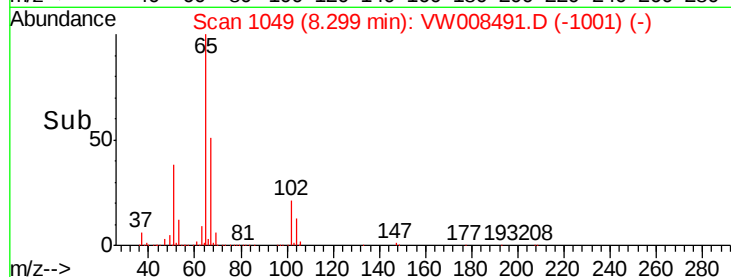
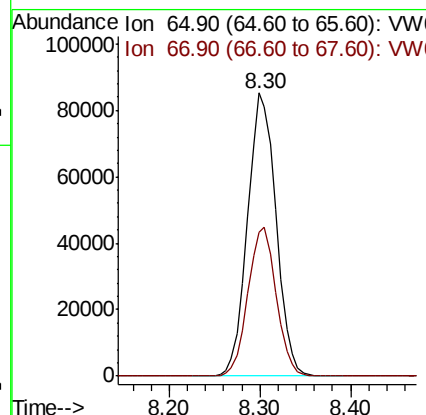
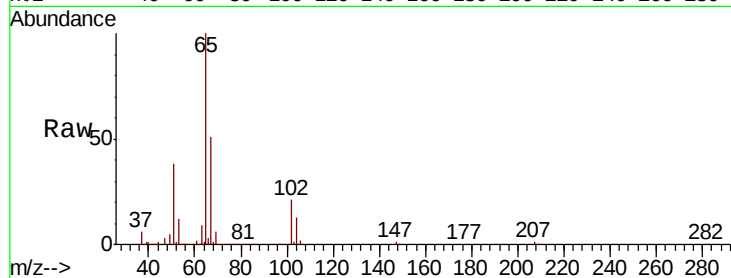




#33
 1,2-Dichloroethane-d4
 Concen: 53.304 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008491.D
 Acq: 01 Feb 2019 19:31

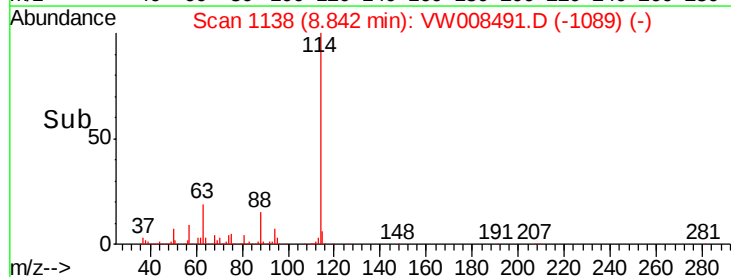
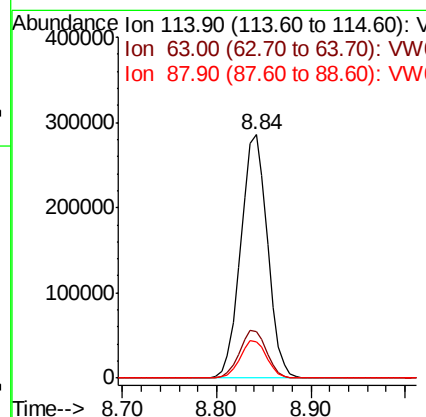
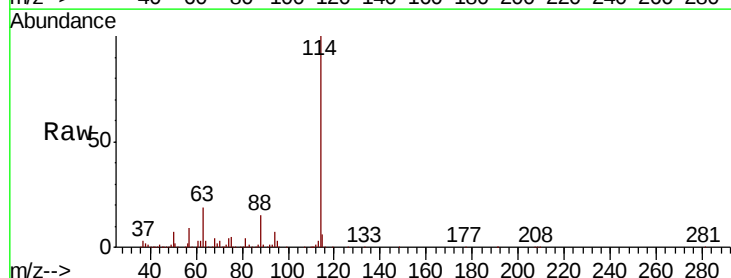
Instrument :
 MSVOA_W
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 RBR-200034

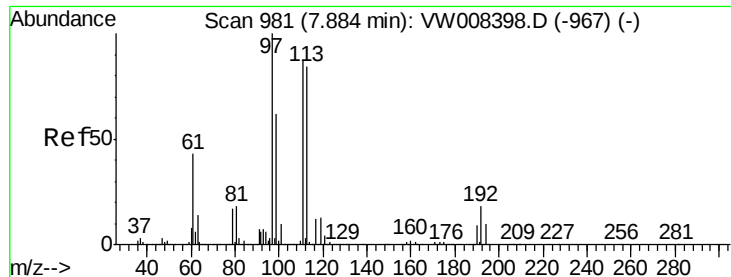
Tgt Ion: 65 Resp: 185592
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008491.D
 Acq: 01 Feb 2019 19:31

Tgt Ion: 114 Resp: 565827
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 43.6
 88 15.1 0.0 31.8

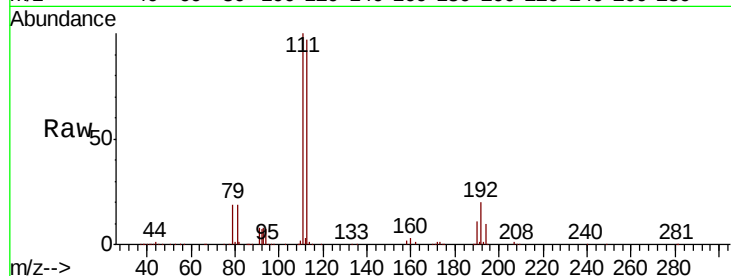




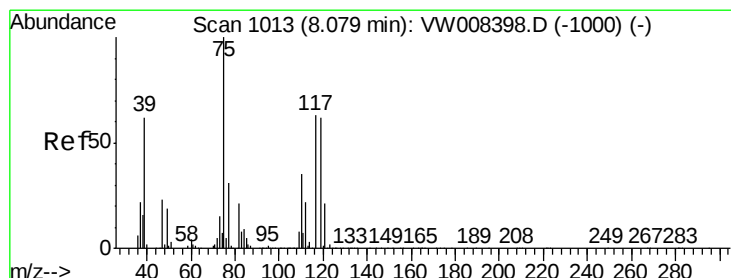
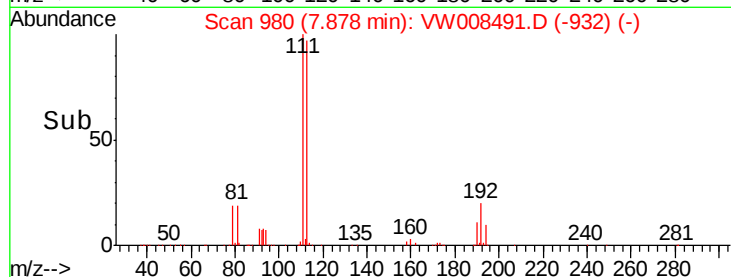
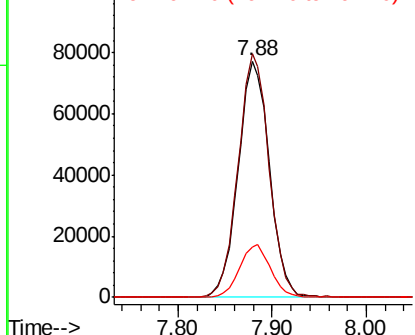
#35
Dibromofluoromethane
Concen: 54.142 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008491.D
Acq: 01 Feb 2019 19:31

Instrument :
MSVOA_W
ClientSampled :
RBR-200034

Tgt Ion: 113 Resp: 179133
Ion Ratio Lower Upper
113 100
111 102.0 81.0 121.4
192 21.9 16.8 25.2

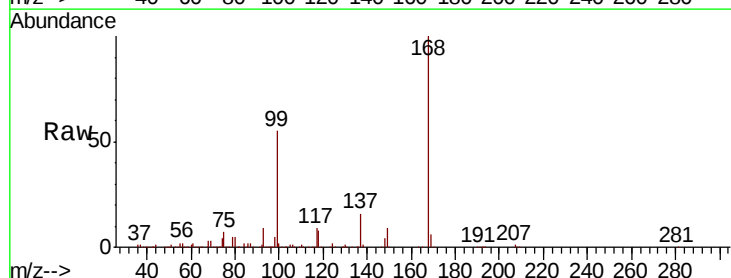


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

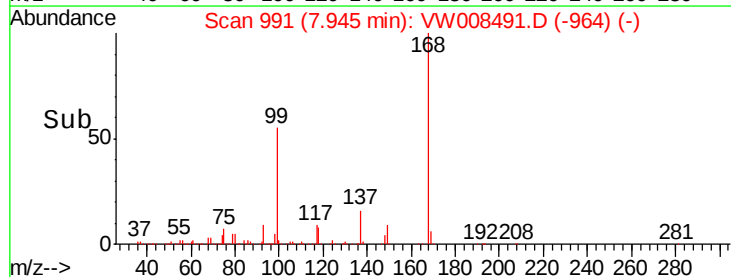
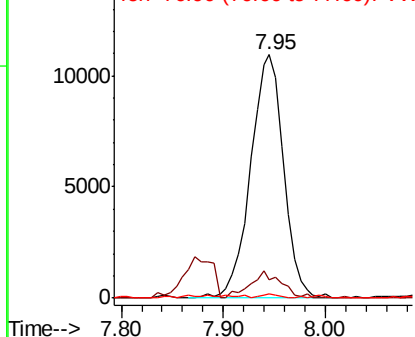


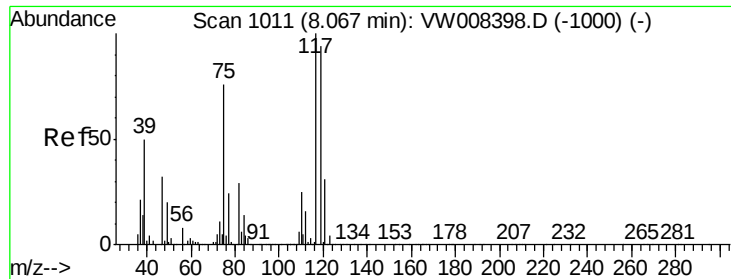
#36
1,1-Dichloropropene
Concen: 4.611 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW008491.D
Acq: 01 Feb 2019 19:31

Tgt Ion: 75 Resp: 24646
Ion Ratio Lower Upper
75 100
110 10.5 17.3 52.0#
77 0.9 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.133 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008491.D

Acq: 01 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

RBR-200034

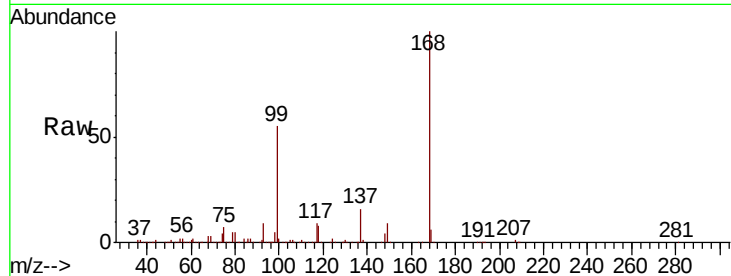
Tgt Ion:117 Resp: 32984

Ion Ratio Lower Upper

117 100

119 3.7 75.0 112.4#

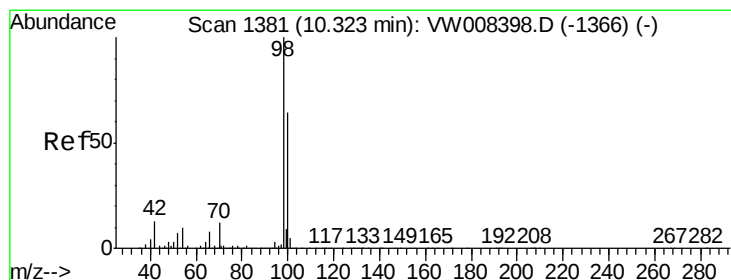
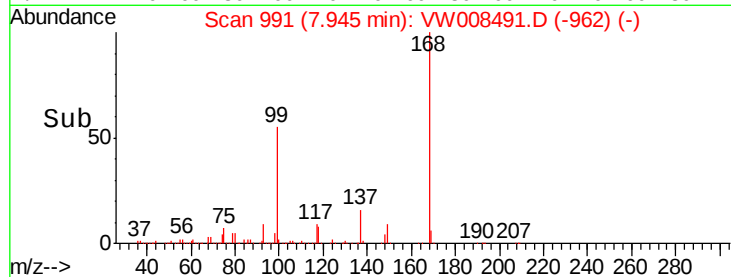
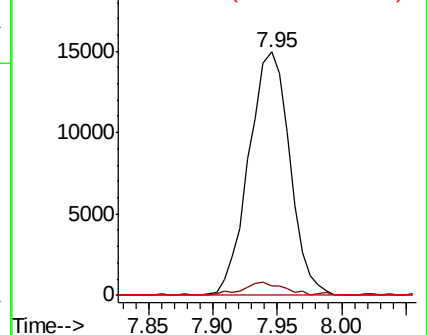
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.190 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008491.D

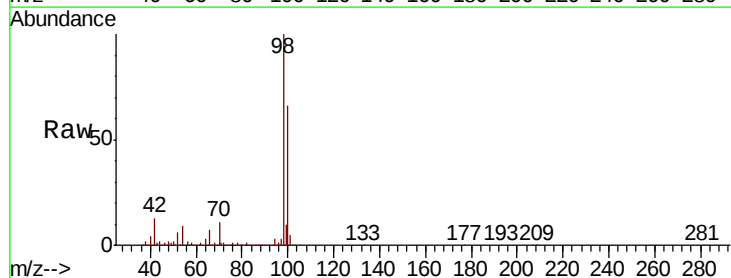
Acq: 01 Feb 2019 19:31

Tgt Ion: 98 Resp: 665893

Ion Ratio Lower Upper

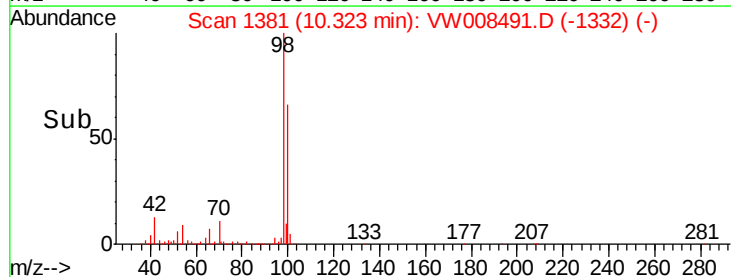
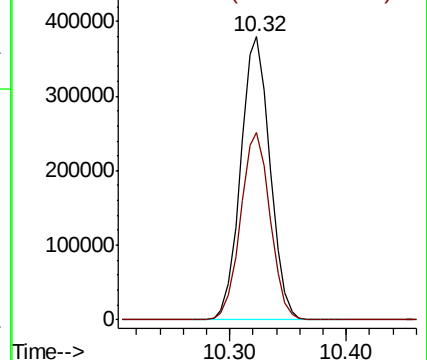
98 100

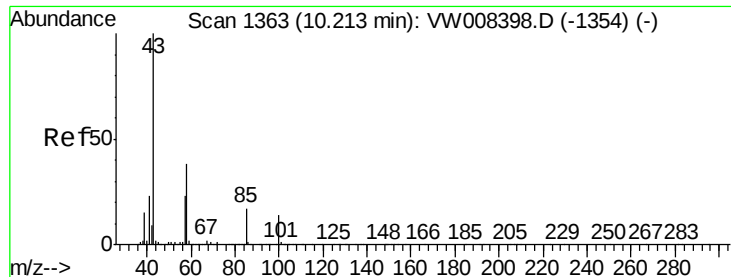
100 66.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

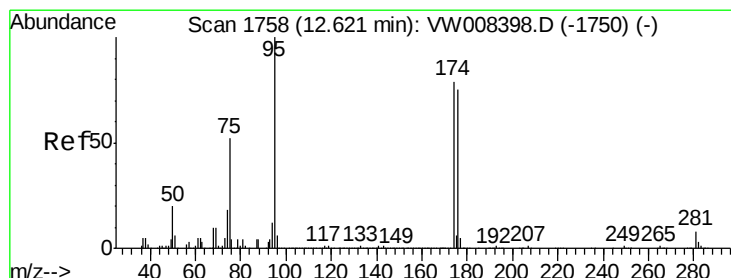
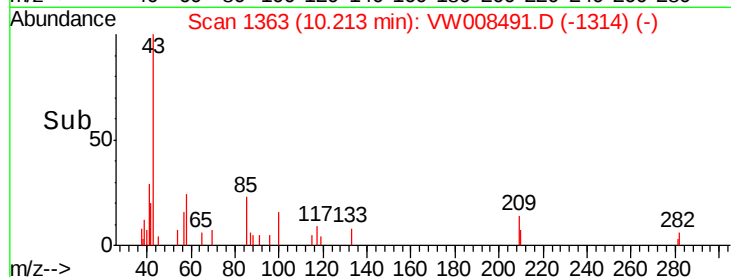
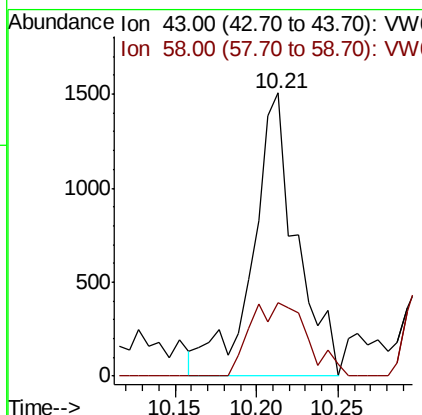
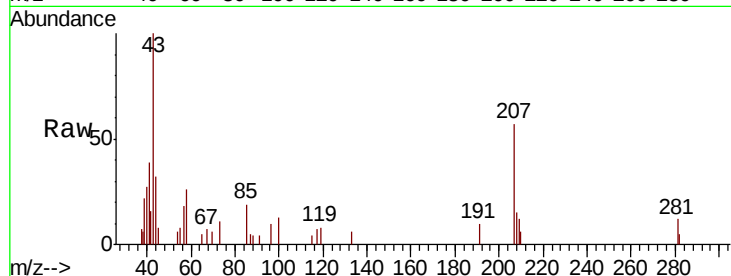




#51
4-Methyl-2-Pentanone
Concen: 1.155 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW008491.D
Acq: 01 Feb 2019 19:31

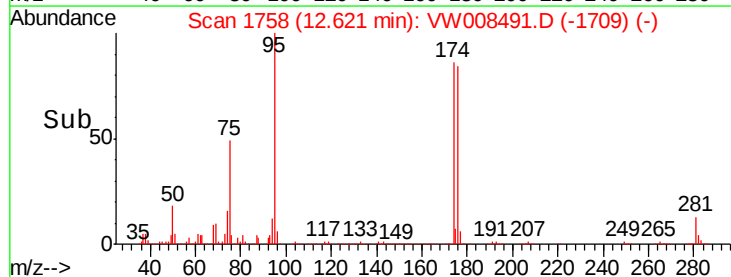
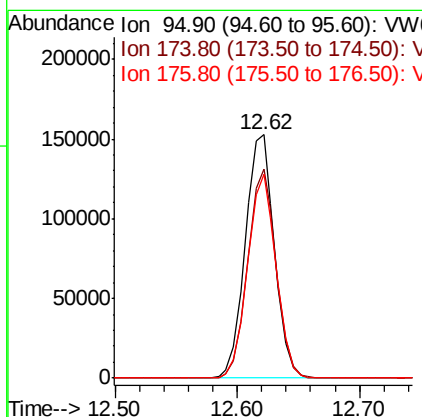
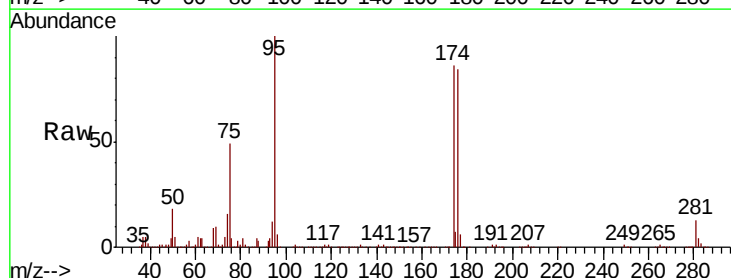
Instrument :
MSVOA_W
ClientSampleId :
RBR-200034

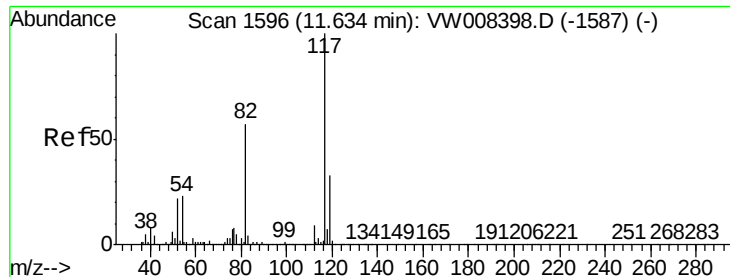
Tgt Ion: 43 Resp: 2804
Ion Ratio Lower Upper
43 100
58 33.8 29.7 44.5



#62
4-Bromofluorobenzene
Concen: 49.454 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008491.D
Acq: 01 Feb 2019 19:31

Tgt Ion: 95 Resp: 252205
Ion Ratio Lower Upper
95 100
174 83.8 0.0 157.6
176 81.8 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: VW008491.D

Acq: 01 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

RBR-200034

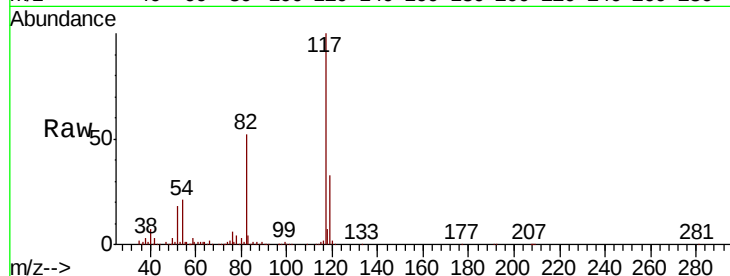
Tgt Ion:117 Resp: 517811

Ion Ratio Lower Upper

117 100

82 52.1 45.4 68.0

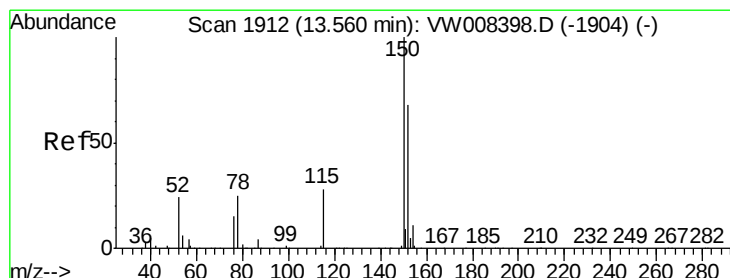
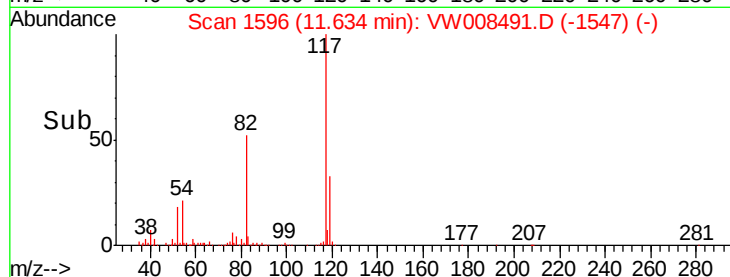
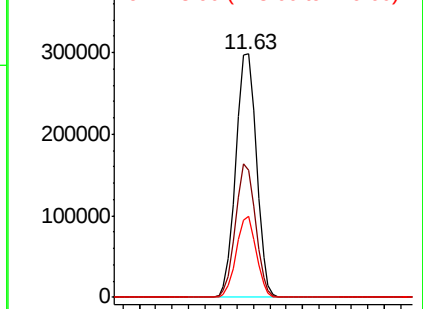
119 33.1 26.2 39.4



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: VW008491.D

Acq: 01 Feb 2019 19:31

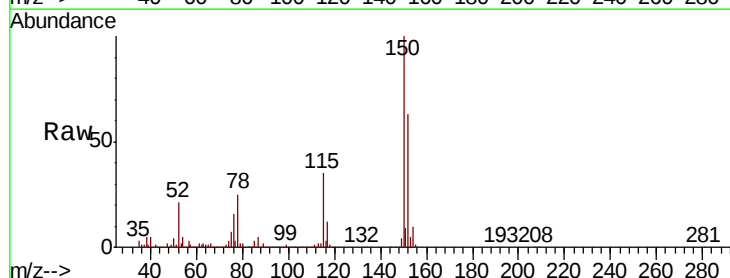
Tgt Ion:152 Resp: 254921

Ion Ratio Lower Upper

152 100

115 57.0 29.9 89.7

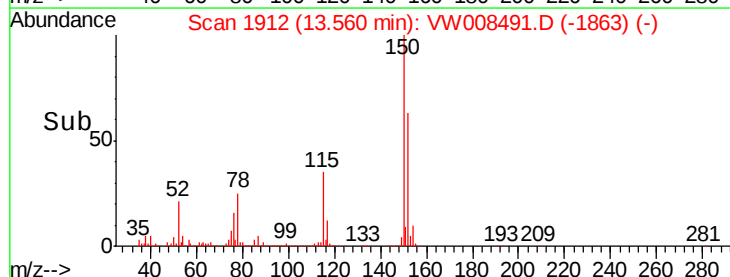
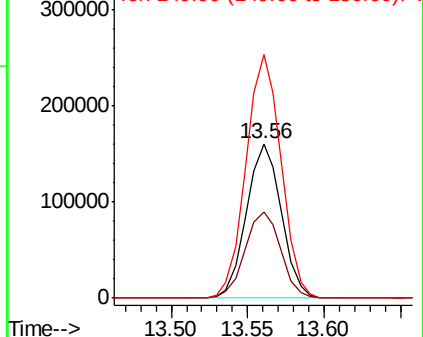
150 158.5 0.0 351.4

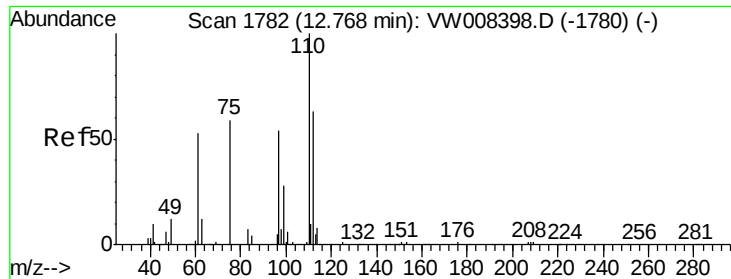


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 56.367 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008491.D

Acq: 01 Feb 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

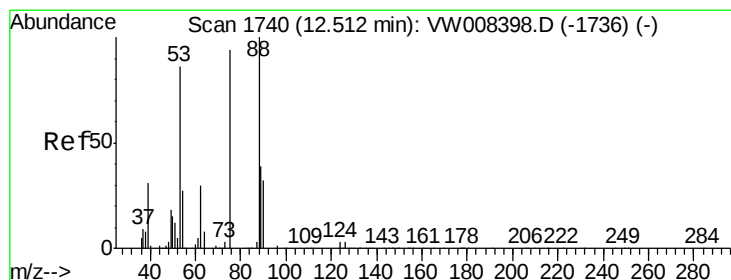
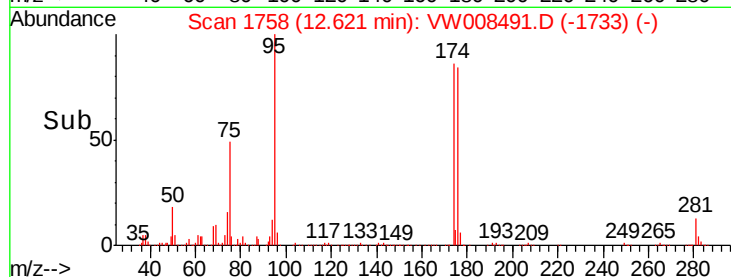
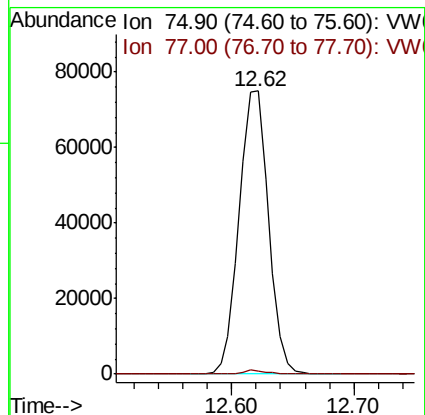
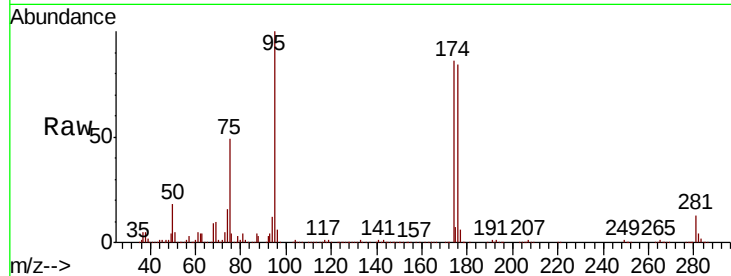
RBR-200034

Tgt Ion: 75 Resp: 124929

Ion Ratio Lower Upper

75 100

77 1.3 180.7 542.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.329 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008491.D

Acq: 01 Feb 2019 19:31

Tgt Ion: 75 Resp: 124929

Ion Ratio Lower Upper

75 100

53 0.2 76.0 114.0#

89 0.1 35.4 53.0#

