

Data File : VW013436.D
Acq On : 04 Oct 2019 14:02
Operator : SY/VA
Sample : K5205-04RE
Misc : 6.96G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR-200028-RT-3425

Quant Time: Oct 05 04:52:19 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	341694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	513689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	424293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	182196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138844	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	
35) Dibromofluoromethane	7.88	113	141957	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
50) Toluene-d8	10.32	98	585705	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.62	95	183593	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds

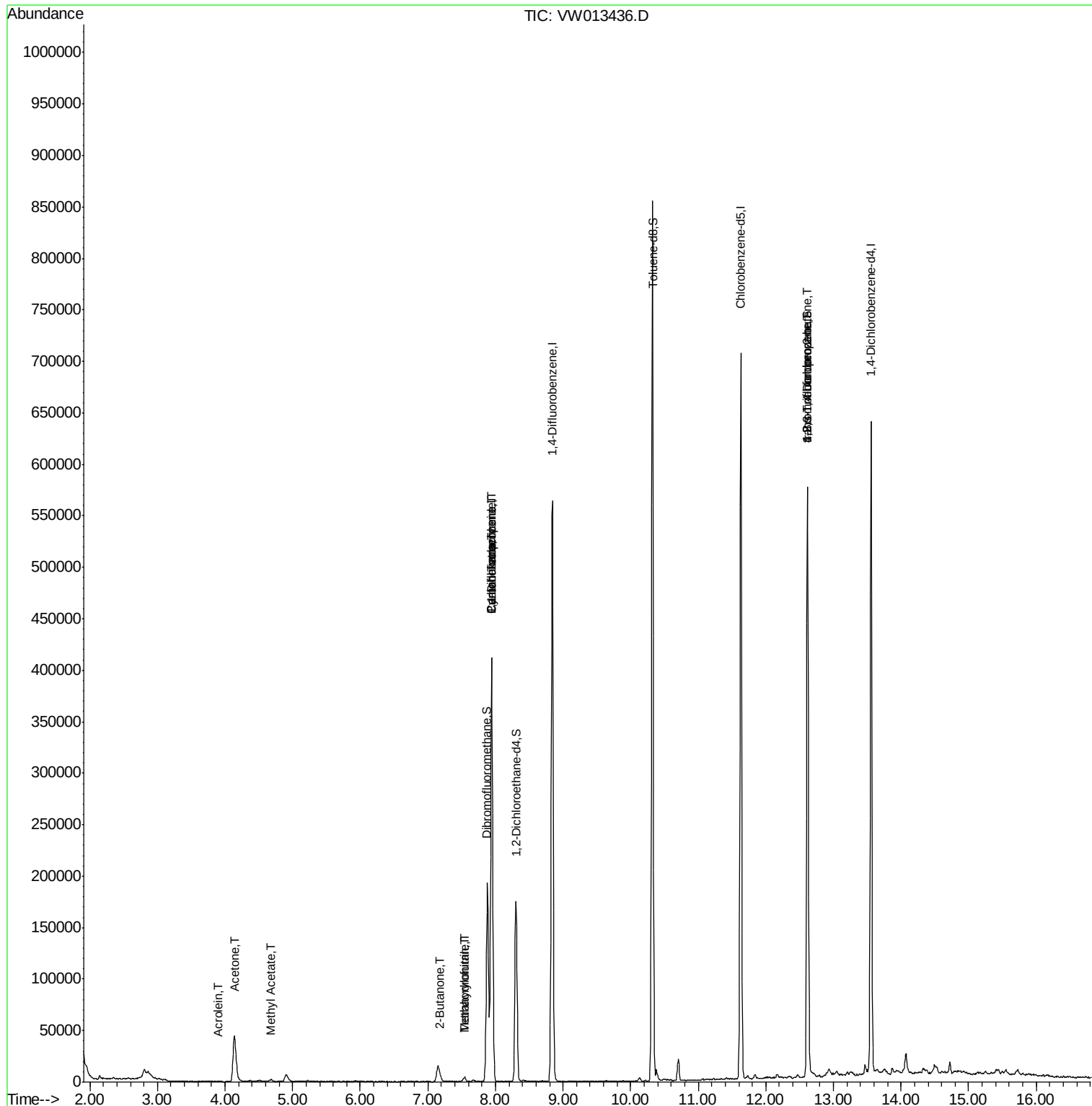
						Qvalue
11) Tert butyl alcohol	5.18	59	371	Below Cal	#	73
13) Acrolein	3.90	56	55	10.782	ug/l #	15
16) Acetone	4.14	43	92871	118.756	ug/l #	89
18) Methyl Acetate	4.68	43	4769	2.605	ug/l	91
25) 2-Butanone	7.18	43	5233	5.229	ug/l	92
26) 2,2-Dichloropropane	7.13	77	610	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	3836	16.028	ug/l	95
31) Cyclohexane	7.94	56	5842	1.001	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22574	4.731	ug/l #	49
38) Carbon Tetrachloride	7.94	117	29762	7.201	ug/l #	18
41) Methacrylonitrile	7.54	41	2277	1.793	ug/l #	41
76) 1,2,3-Trichloropropane	12.62	75	85648	52.892	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85648	107.226	ug/l #	12

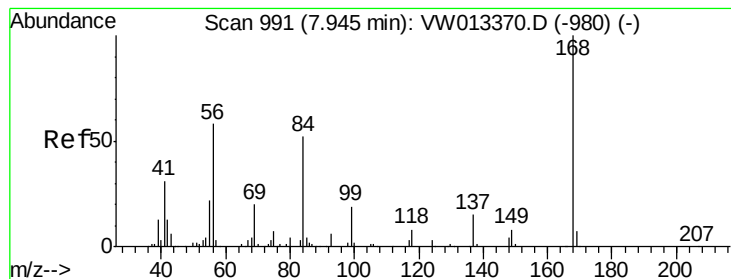
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013436.D

Acq: 04 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

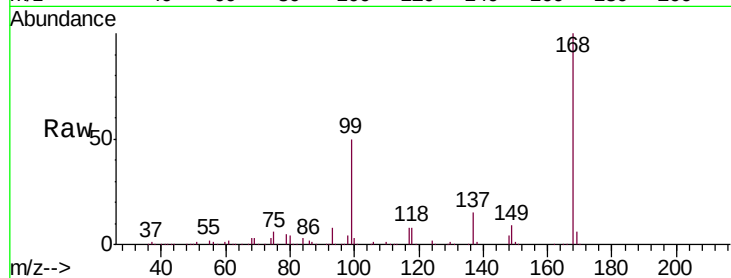
RBR-200028-RT-3425

Tgt Ion: 168 Resp: 341694

Ion Ratio Lower Upper

168 100

99 49.7 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

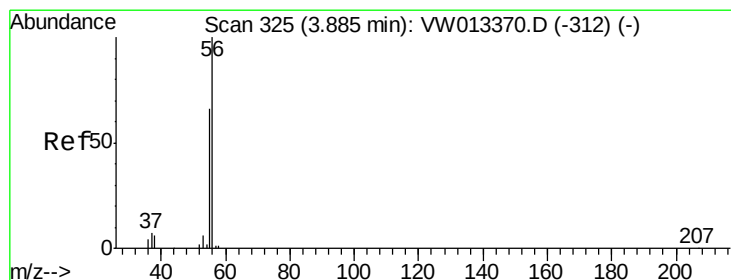
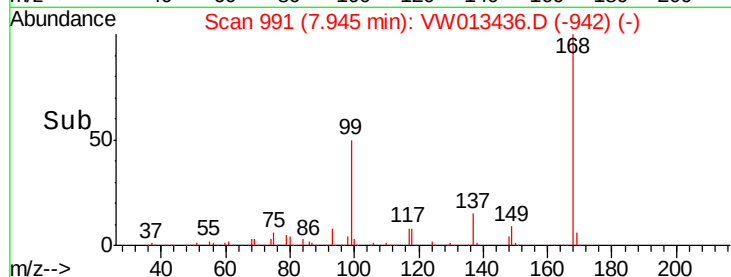
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 10.782 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013436.D

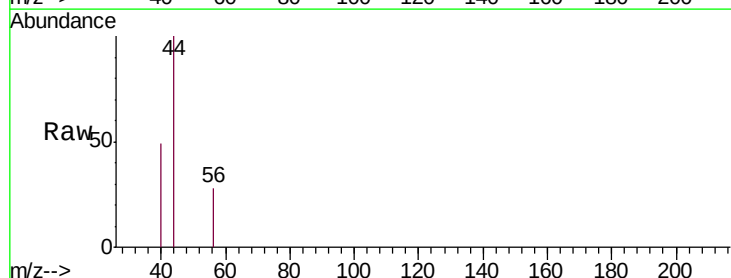
Acq: 04 Oct 2019 14:02

Tgt Ion: 56 Resp: 55

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.90

100

80

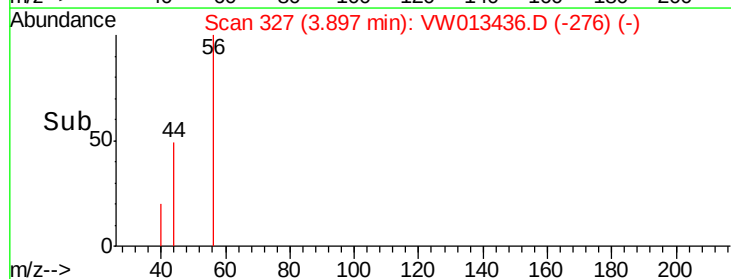
60

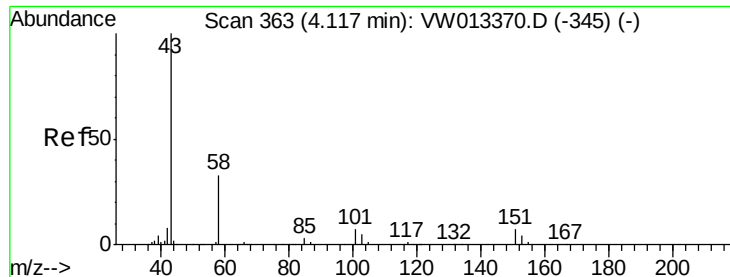
40

20

0

Time-->

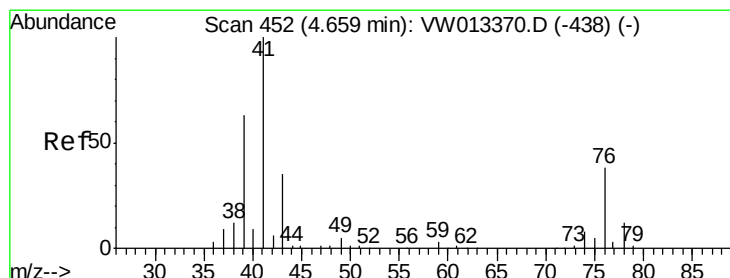
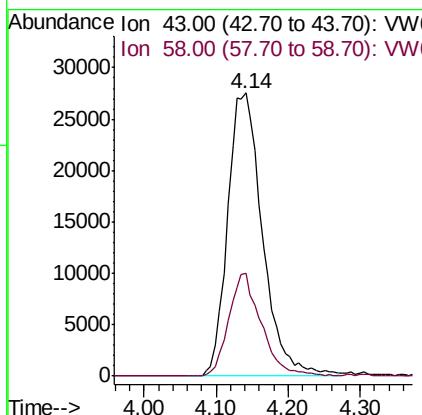
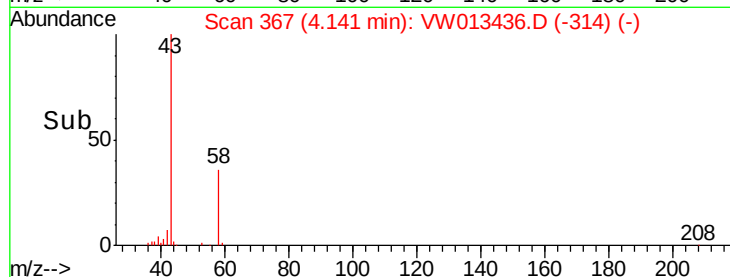
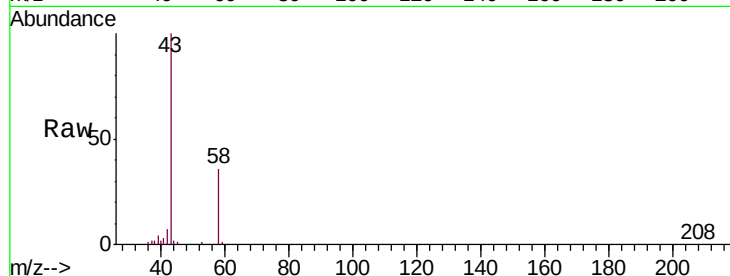




#16
Acetone
Concen: 118.756 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW013436.D
Acq: 04 Oct 2019 14:02

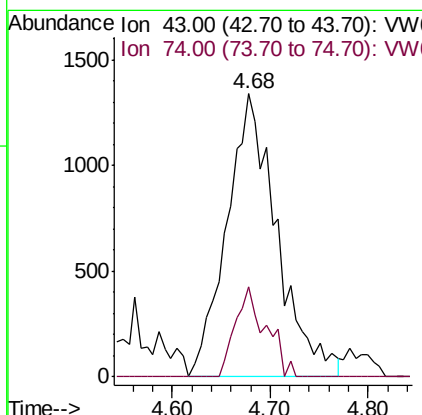
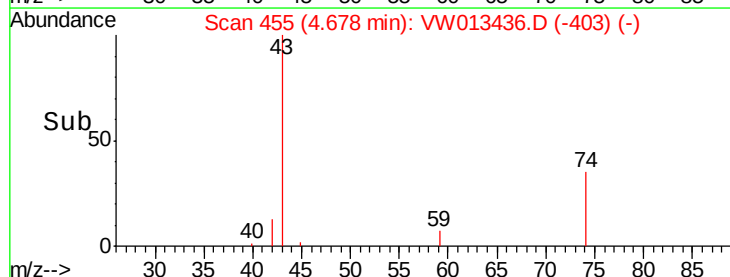
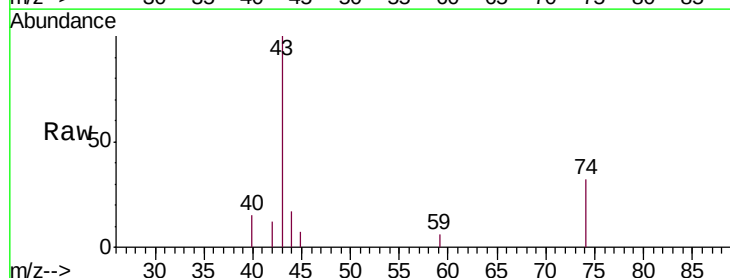
Instrument :
MSVOA_W
ClientSampleId :
RBR-200028-RT-3425

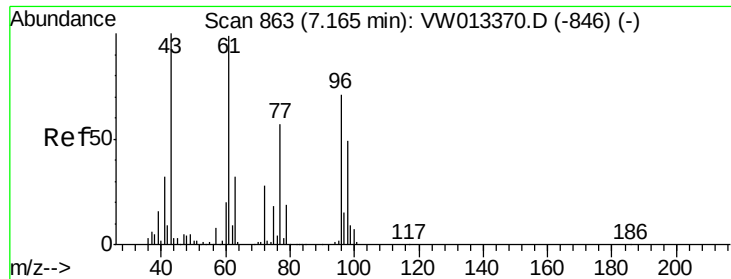
Tgt Ion: 43 Resp: 92871
Ion Ratio Lower Upper
43 100
58 36.3 24.1 36.1#



#18
Methyl Acetate
Concen: 2.605 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.02 min
Lab File: VW013436.D
Acq: 04 Oct 2019 14:02

Tgt Ion: 43 Resp: 4769
Ion Ratio Lower Upper
43 100
74 19.5 19.3 28.9





#25

2-Butanone

Concen: 5.229 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW013436.D

Acq: 04 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

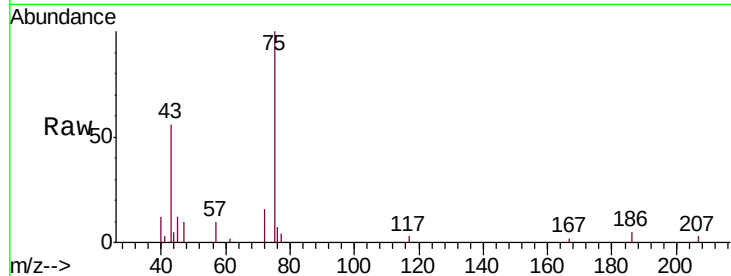
RBR-200028-RT-3425

Tgt Ion: 43 Resp: 5233

Ion Ratio Lower Upper

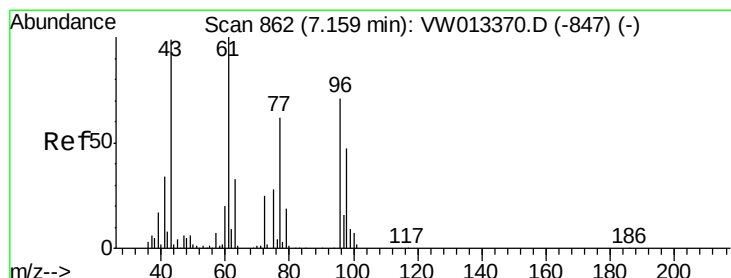
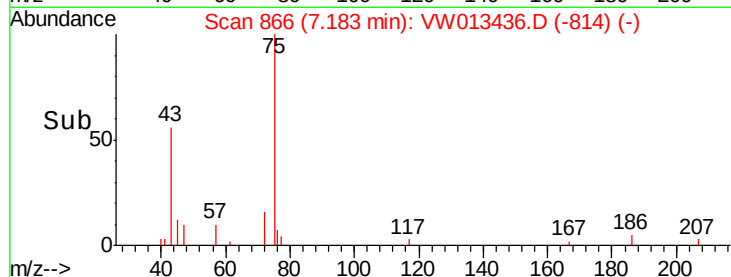
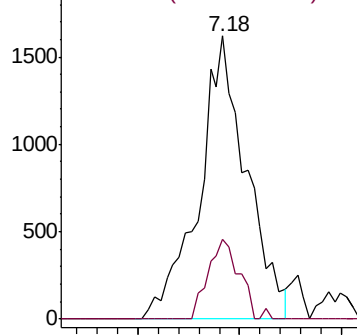
43 100

72 28.2 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 857

Delta R.T. -0.03 min

Lab File: VW013436.D

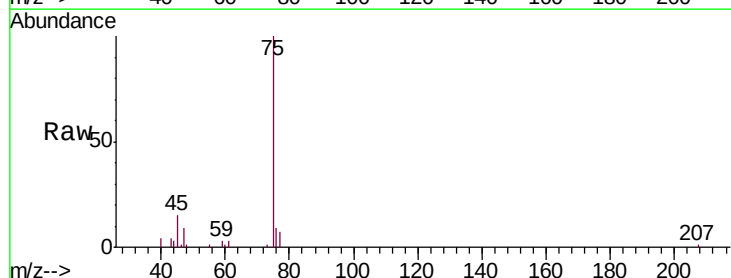
Acq: 04 Oct 2019 14:02

Tgt Ion: 77 Resp: 610

Ion Ratio Lower Upper

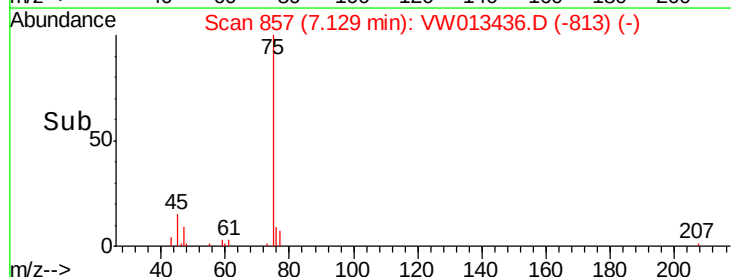
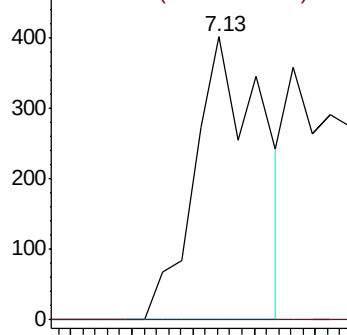
77 100

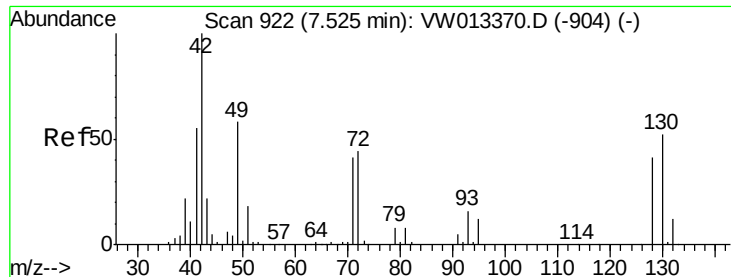
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

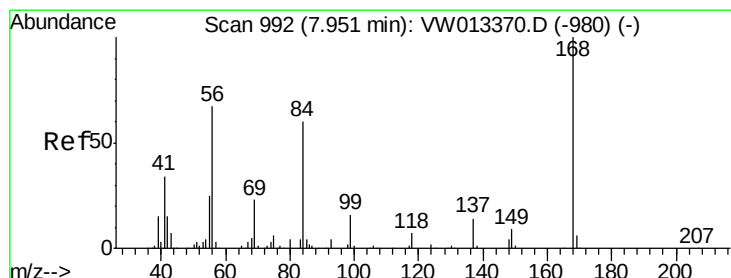
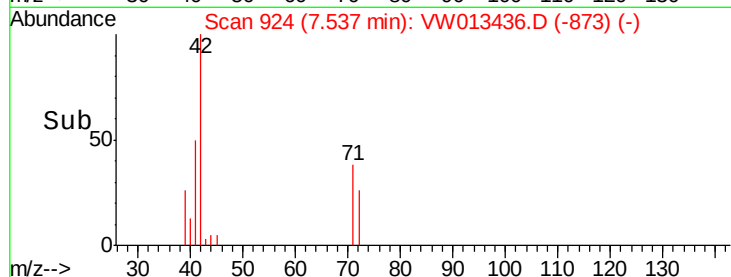
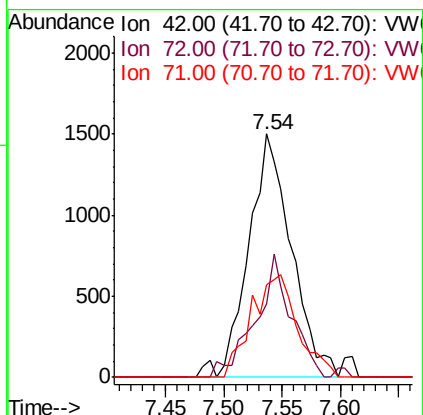
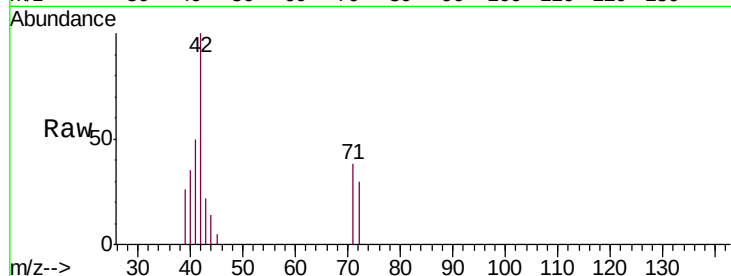




#29
Tetrahydrofuran
Concen: 16.028 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013436.D
Acq: 04 Oct 2019 14:02

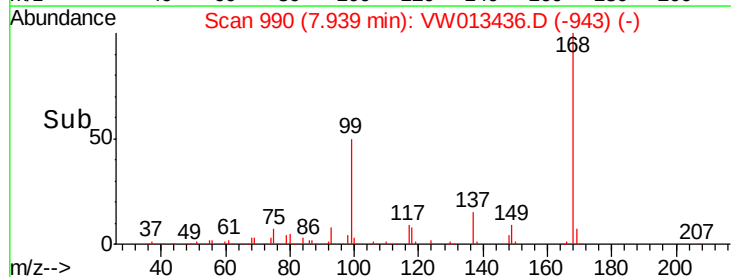
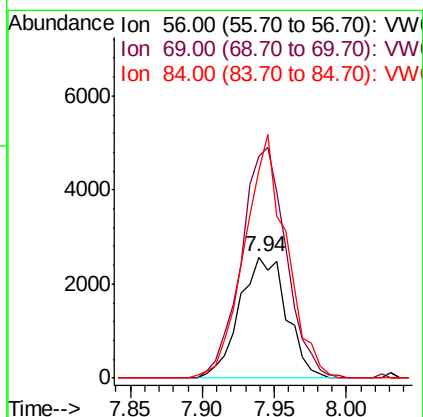
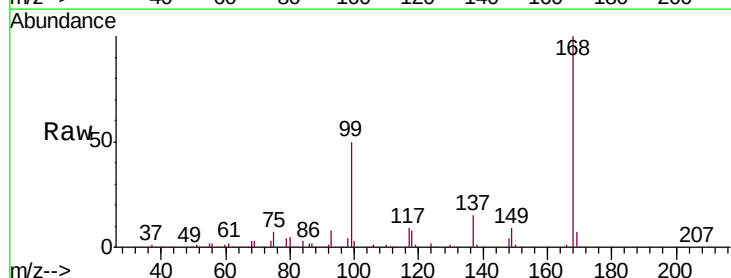
Instrument :
MSVOA_W
ClientSampleId :
RBR-200028-RT-3425

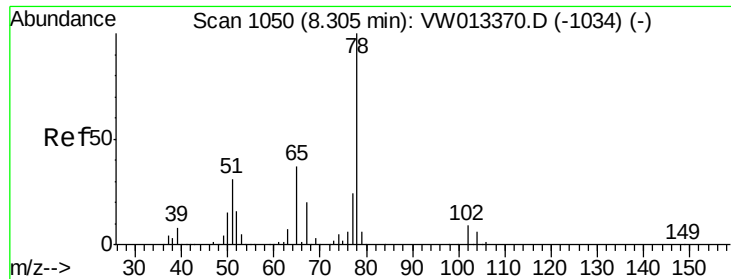
Tgt Ion: 42 Resp: 3836
Ion Ratio Lower Upper
42 100
72 42.2 33.9 50.9
71 45.6 31.9 47.9



#31
Cyclohexane
Concen: 1.001 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW013436.D
Acq: 04 Oct 2019 14:02

Tgt Ion: 56 Resp: 5842
Ion Ratio Lower Upper
56 100
69 182.4 27.2 40.8#
84 170.9 70.8 106.2#

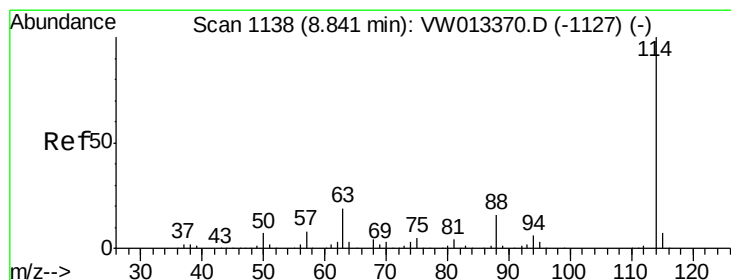
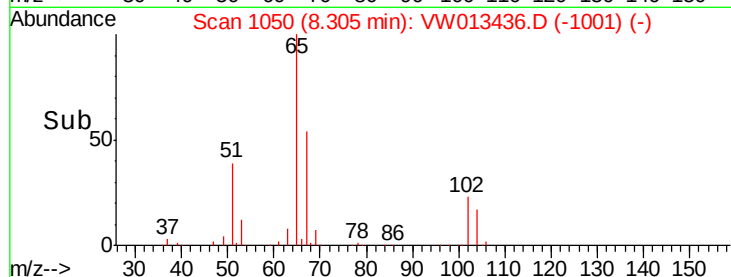
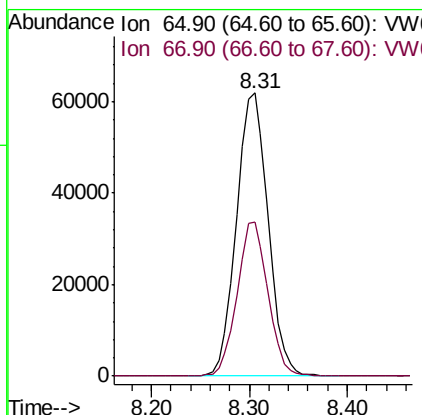
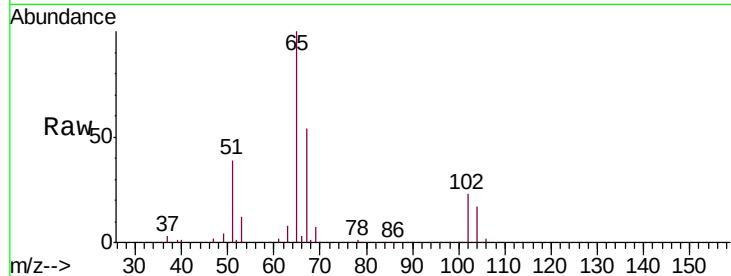




#33
 1,2-Dichloroethane-d4
 Concen: 54.420 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013436.D
 Acq: 04 Oct 2019 14:02

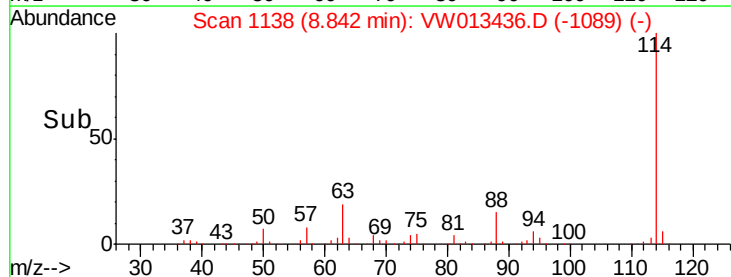
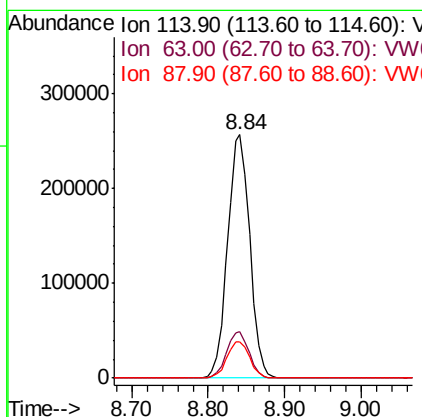
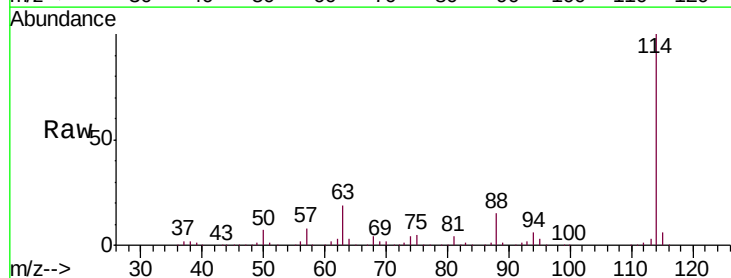
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200028-RT-3425

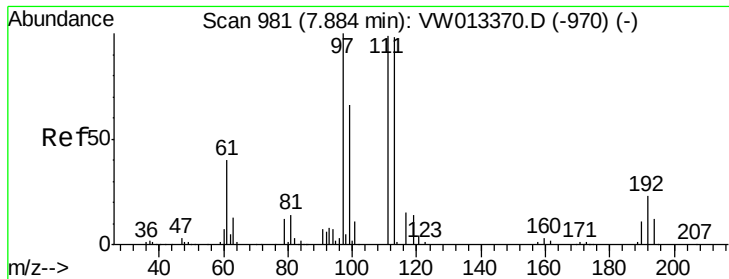
Tgt Ion: 65 Resp: 138844
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013436.D
 Acq: 04 Oct 2019 14:02

Tgt Ion: 114 Resp: 513689
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 15.0 0.0 32.0

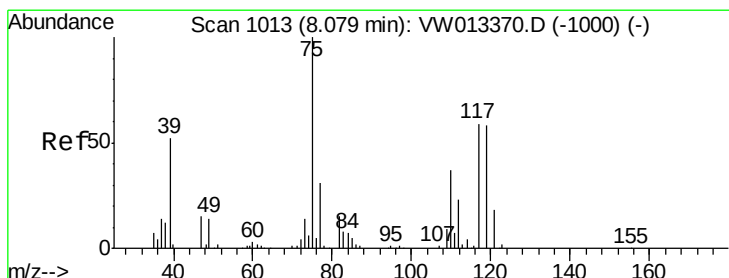
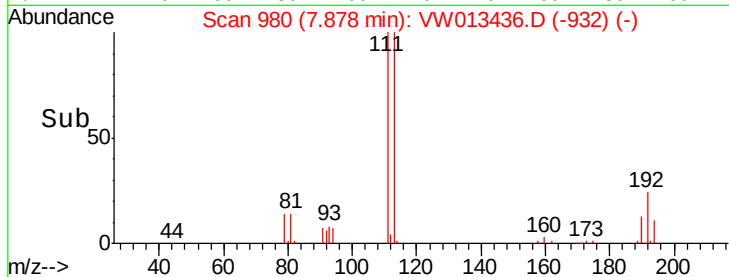
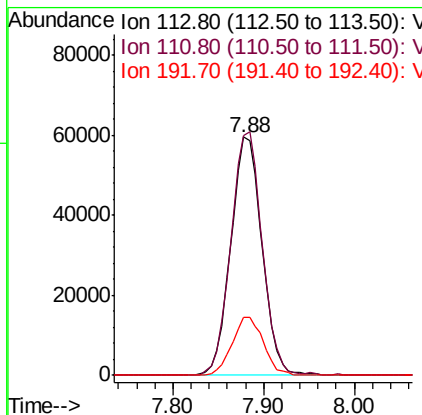
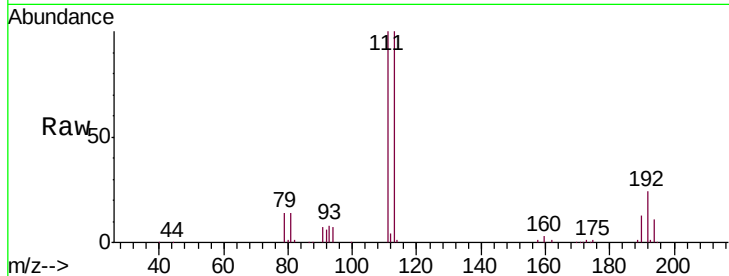




#35
 Dibromofluoromethane
 Concen: 52.665 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013436.D
 Acq: 04 Oct 2019 14:02

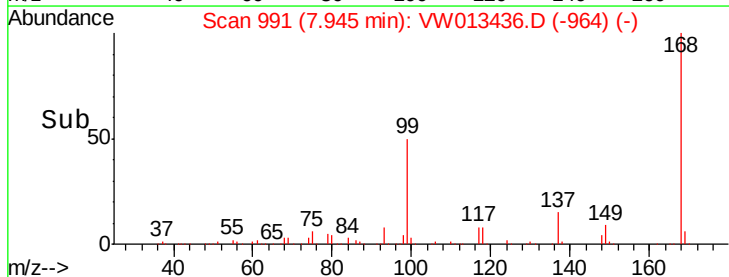
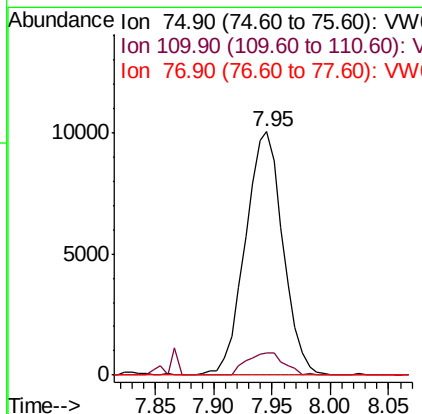
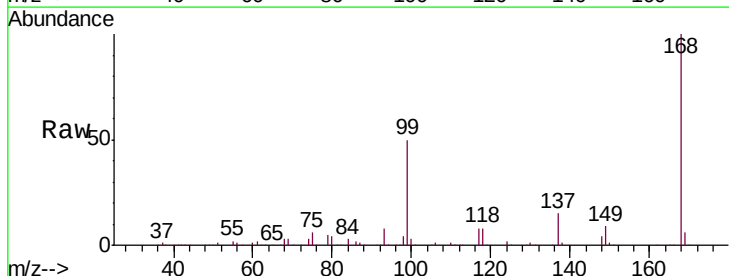
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200028-RT-3425

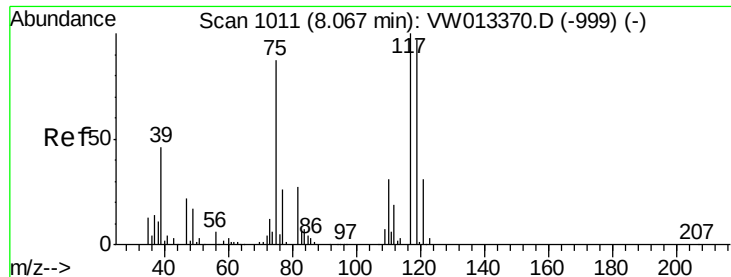
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.9	122.9
192	24.3	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.731 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013436.D
 Acq: 04 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.3#
77	0.0	25.8	38.6#

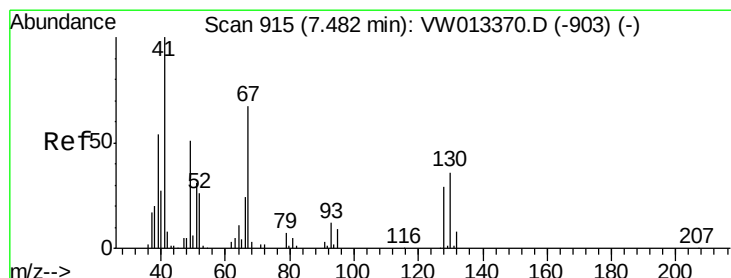
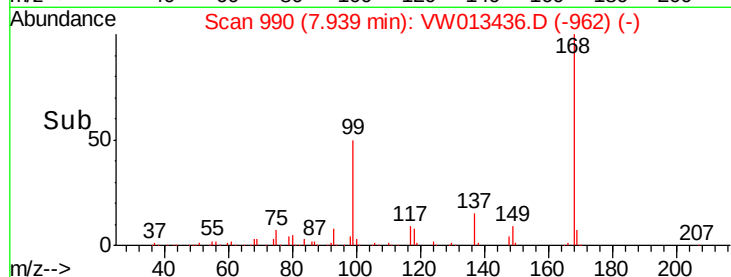
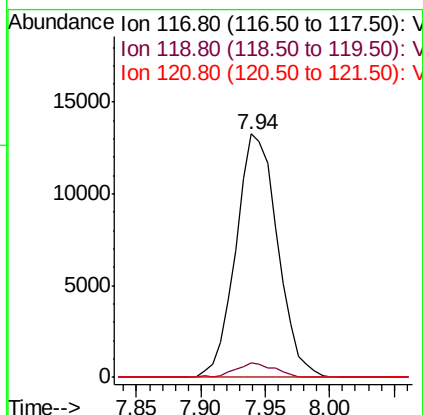
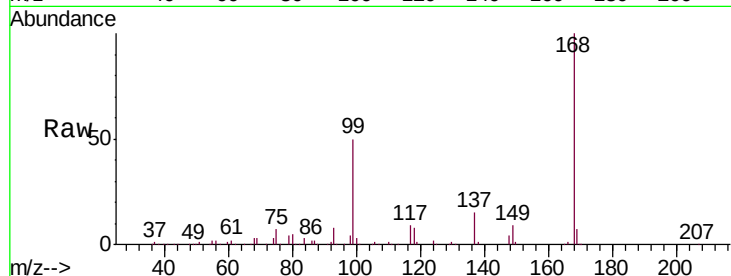




#38
Carbon Tetrachloride
Concen: 7.201 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW013436.D
Acq: 04 Oct 2019 14:02

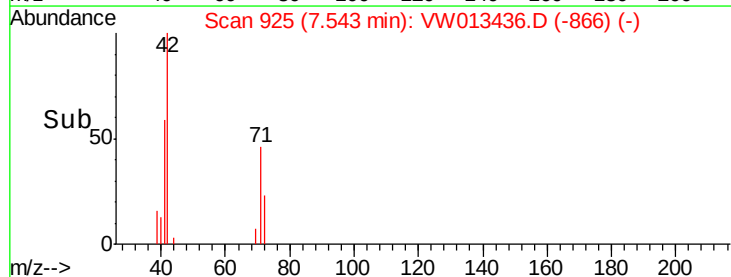
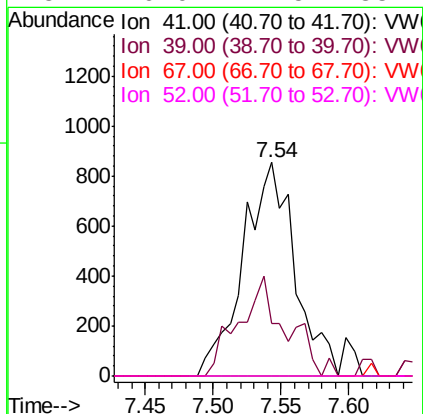
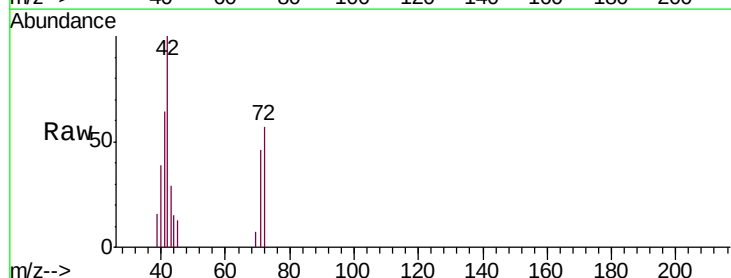
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RBR-200028-RT-3425

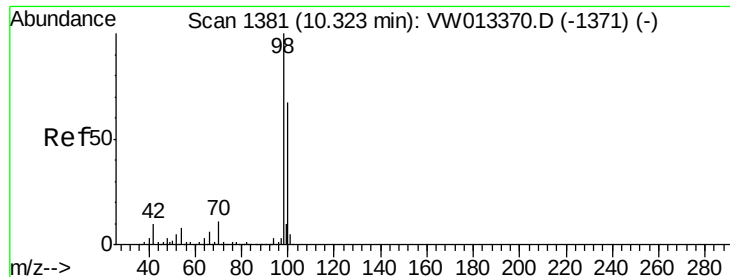
Tgt Ion: 117 Resp: 29762
Ion Ratio Lower Upper
117 100
119 6.1 73.5 110.3#
121 0.0 25.0 37.6#



#41
Methacrylonitrile
Concen: 1.793 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW013436.D
Acq: 04 Oct 2019 14:02

Tgt Ion: 41 Resp: 2277
Ion Ratio Lower Upper
41 100
39 33.9 45.9 68.9#
67 0.0 54.5 81.7#
52 0.0 22.5 33.7#





#50

Toluene-d8

Concen: 52.362 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013436.D

Acq: 04 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

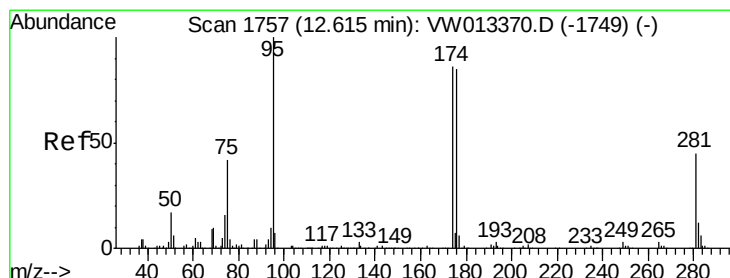
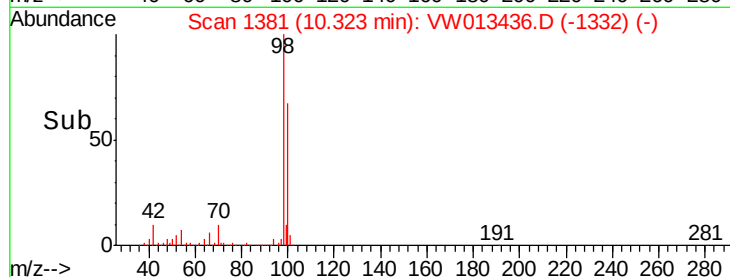
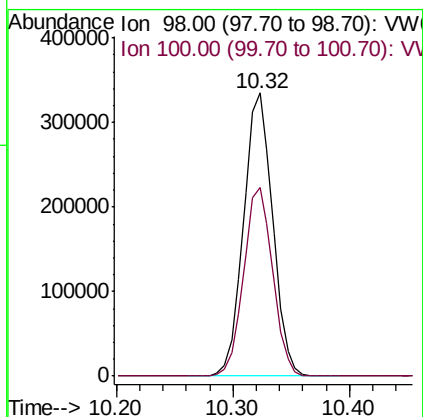
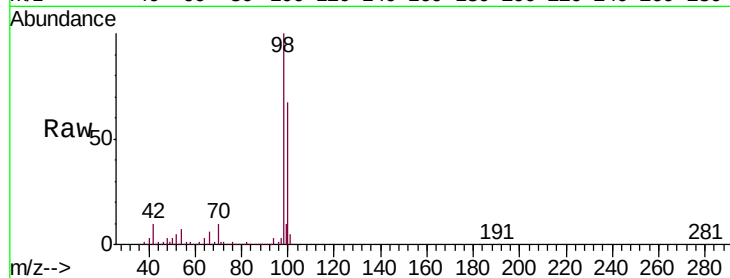
RBR-200028-RT-3425

Tgt Ion: 98 Resp: 585705

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 49.151 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013436.D

Acq: 04 Oct 2019 14:02

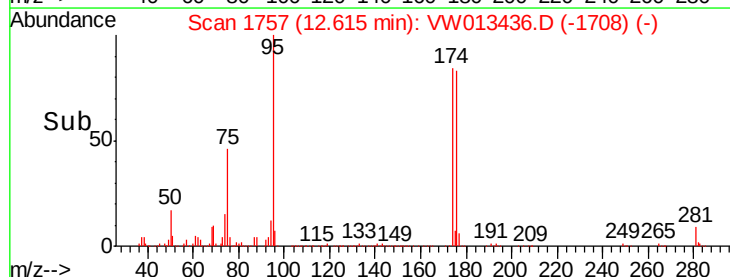
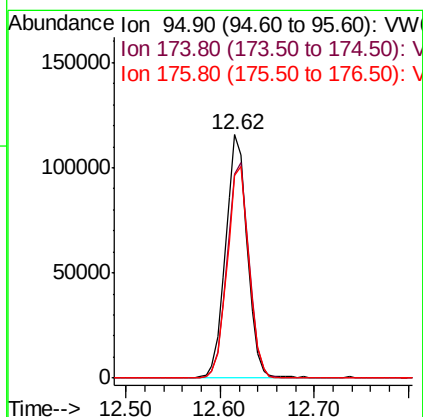
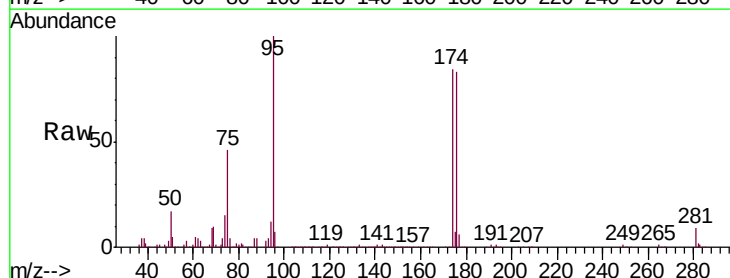
Tgt Ion: 95 Resp: 183593

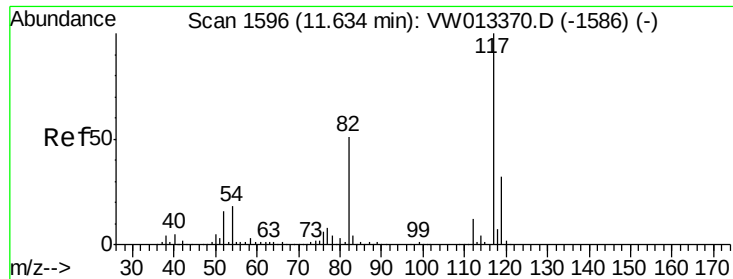
Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.4

176 87.8 0.0 172.2

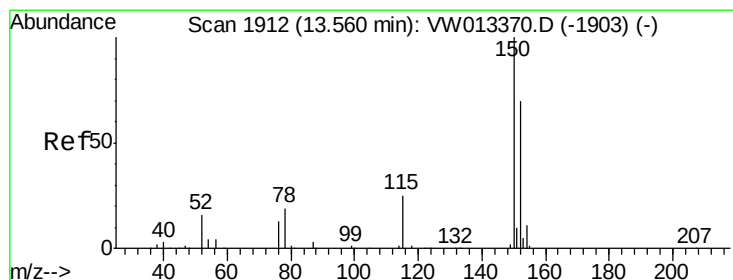
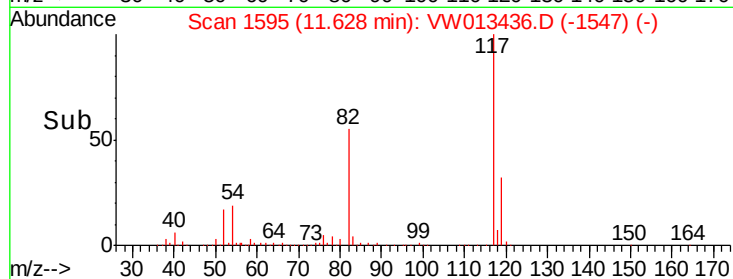
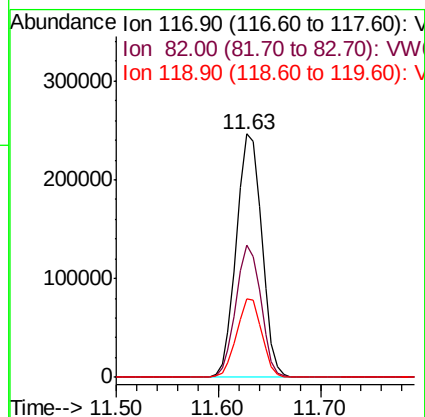
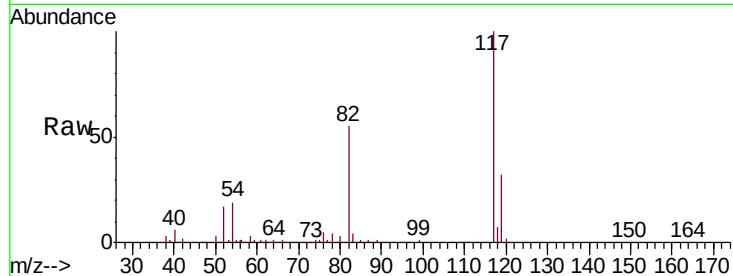




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013436.D
Acq: 04 Oct 2019 14:02

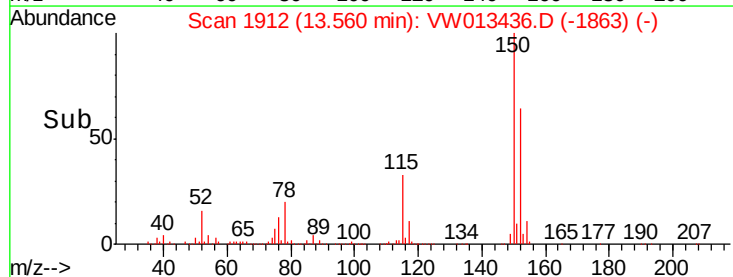
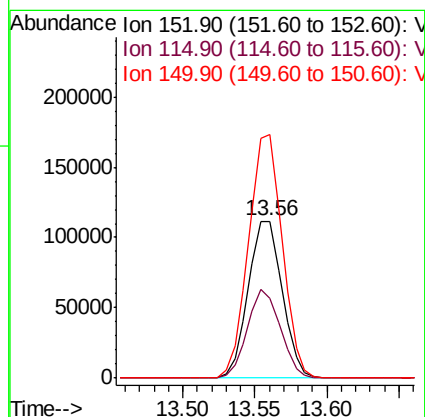
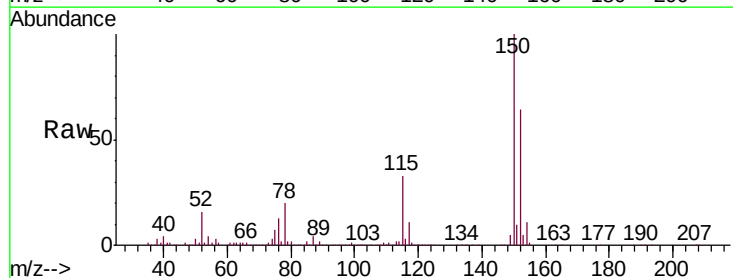
Instrument :
MSVOA_W
ClientSampleId :
RBR-200028-RT-3425

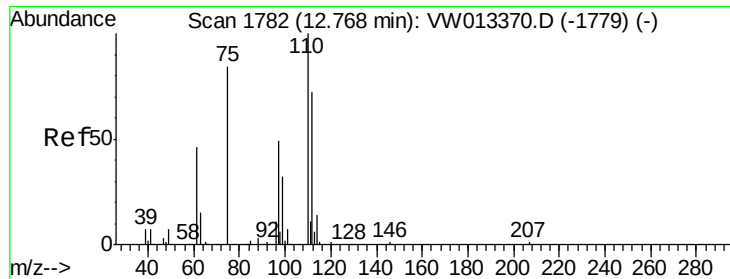
Tgt Ion:117 Resp: 424293
Ion Ratio Lower Upper
117 100
82 54.5 45.9 68.9
119 32.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013436.D
Acq: 04 Oct 2019 14:02

Tgt Ion:152 Resp: 182196
Ion Ratio Lower Upper
152 100
115 55.0 27.3 81.9
150 154.0 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 52.892 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013436.D

Acq: 04 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

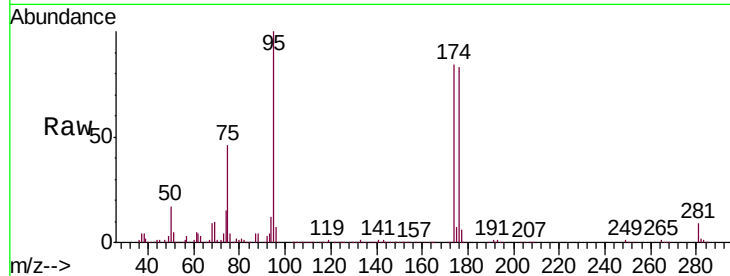
RBR-200028-RT-3425

Tgt Ion: 75 Resp: 85648

Ion Ratio Lower Upper

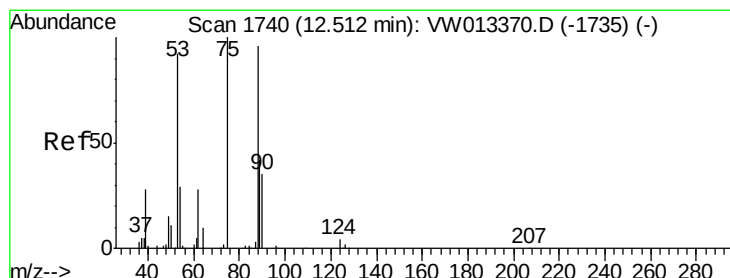
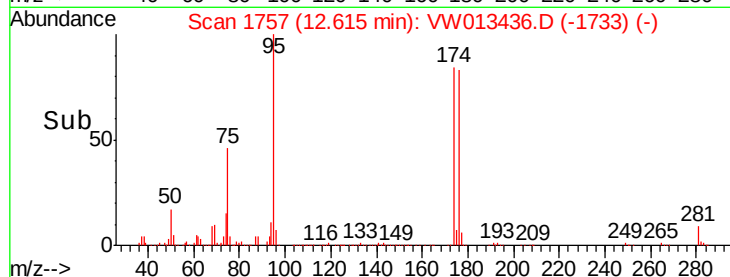
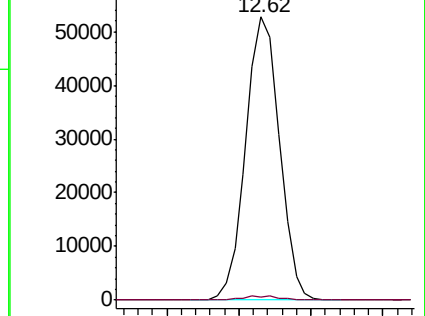
75 100

77 1.9 0.0 0.0#



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: 107.226 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013436.D

Acq: 04 Oct 2019 14:02

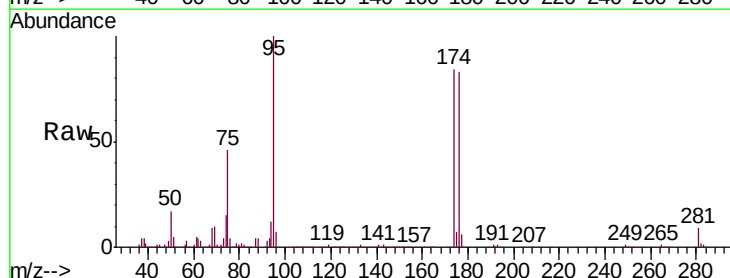
Tgt Ion: 75 Resp: 85648

Ion Ratio Lower Upper

75 100

53 0.4 76.6 114.8#

89 0.1 33.5 50.3#



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

