

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082919\
 Data File : VW012306.D
 Acq On : 29 Aug 2019 16:29
 Operator : SY/VA
 Sample : K4571-04
 Misc : 7.37G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200028

Quant Time: Aug 30 06:49:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	15643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	24112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	19784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	4510	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	11095	59.66	ug/l	0.00
Spiked Amount			Recovery	=	119.32%	
35) Dibromofluoromethane	7.88	113	8064	56.03	ug/l	0.00
Spiked Amount			Recovery	=	112.06%	
50) Toluene-d8	10.32	98	28827	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.62	95	7982	38.80	ug/l	0.00
Spiked Amount			Recovery	=	77.60%	

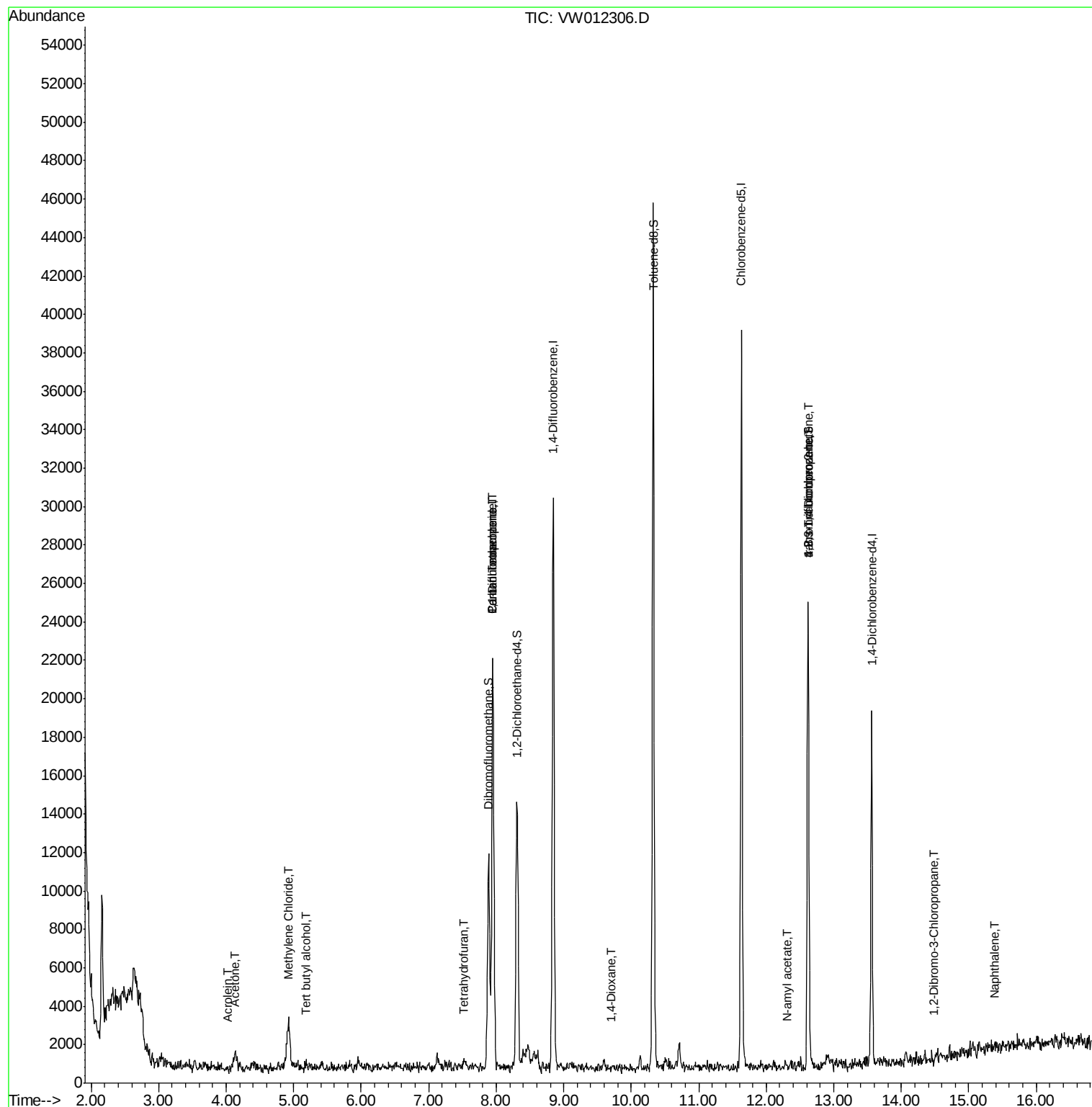
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	69	6.166	ug/l #	71
13) Acrolein	4.02	56	41	3.892	ug/l #	15
16) Acetone	4.13	43	1673	35.195	ug/l #	84
20) Methylene Chloride	4.91	84	976	5.431	ug/l #	80
29) Tetrahydrofuran	7.51	42	196	5.058	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	1468	5.892	ug/l #	44
38) Carbon Tetrachloride	7.95	117	1536	7.122	ug/l #	19
49) 1,4-Dioxane	9.70	88	21	16.837	ug/l #	1
74) N-amyl acetate	12.32	43	117	1.146	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	4065	92.546	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	4065	202.910	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.47	75	23	2.202	ug/l #	5
95) Naphthalene	15.37	128	41	4.541	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012306.D

Acq: 29 Aug 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

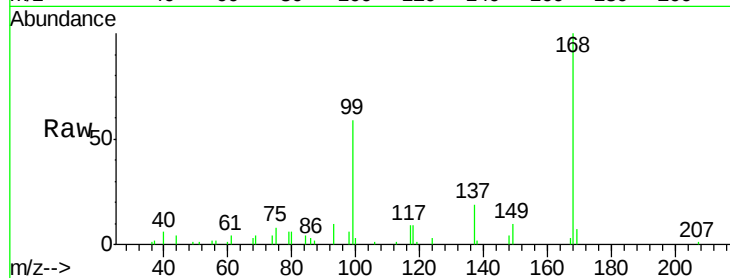
RBR-200028

Tot Ion:168 Resp: 15643

Ion Ratio Lower Upper

168 100

99 59.1 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

6000

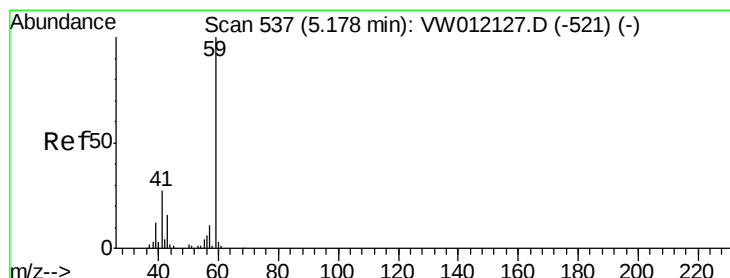
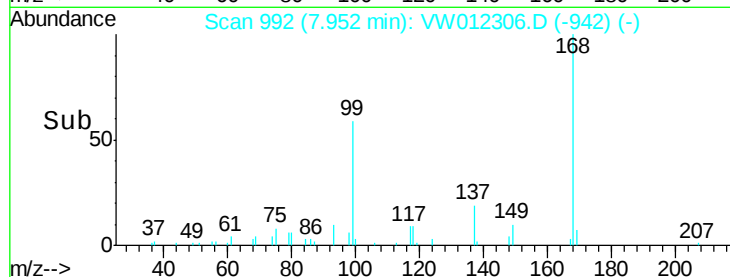
4000

2000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 6.166 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW012306.D

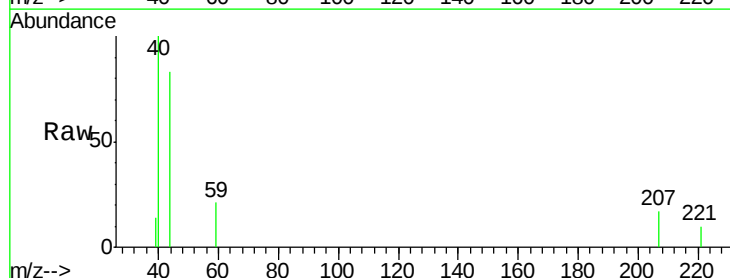
Acq: 29 Aug 2019 16:29

Tgt Ion: 59 Resp: 69

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

120

100

80

60

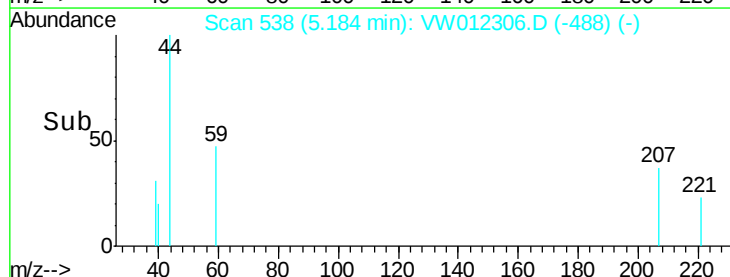
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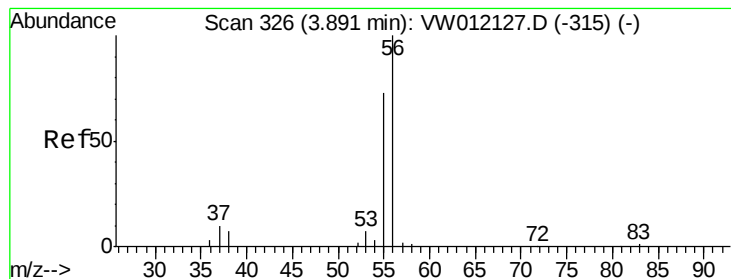
20

0

5.16 5.18 5.20

Time-->





#13

Acrolein

Concen: 3.892 ug/l

RT: 4.02 min Scan# 347

Delta R.T. 0.13 min

Lab File: VW012306.D

Acq: 29 Aug 2019 16:29

Instrument :

MSVOA_W

ClientSampled :

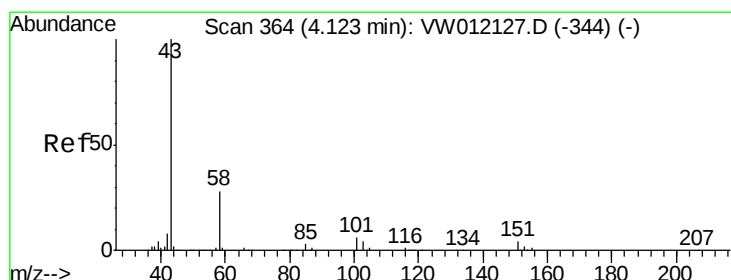
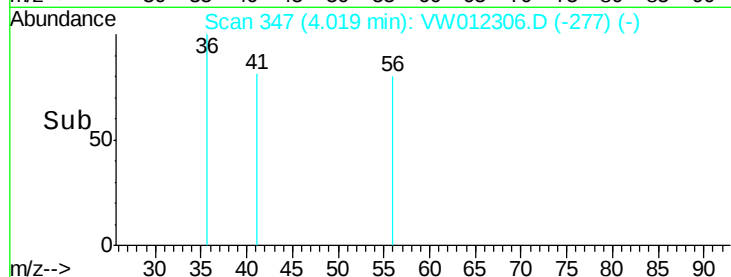
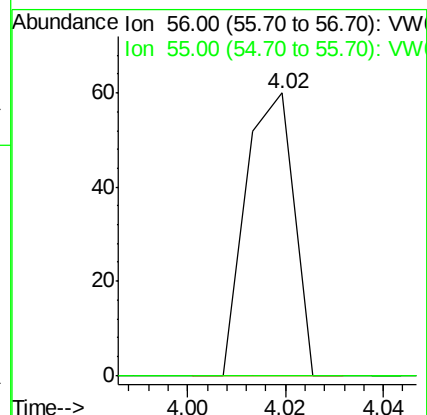
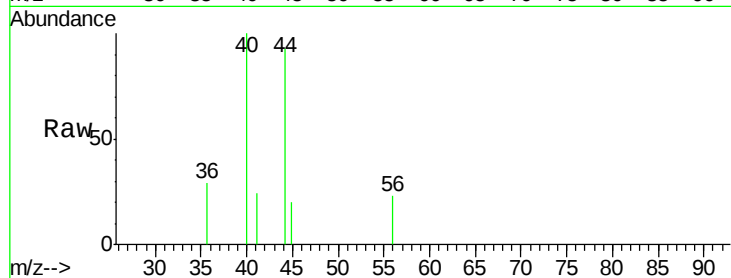
RBR-200028

Tot Ion: 56 Resp: 41

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: 35.195 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012306.D

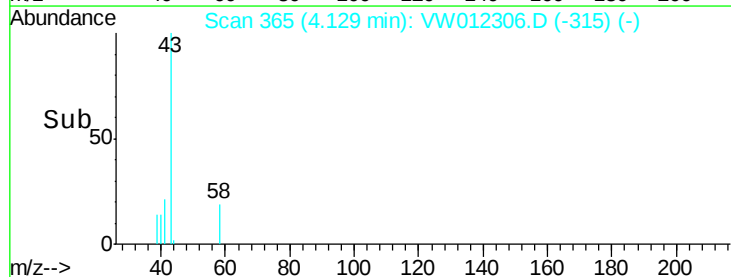
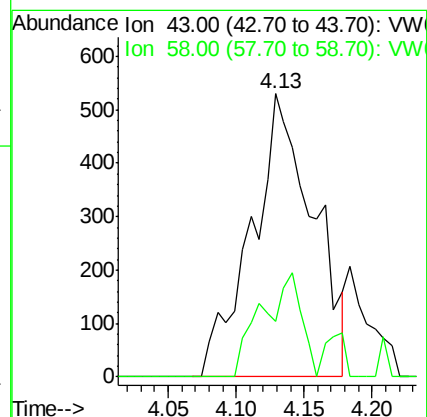
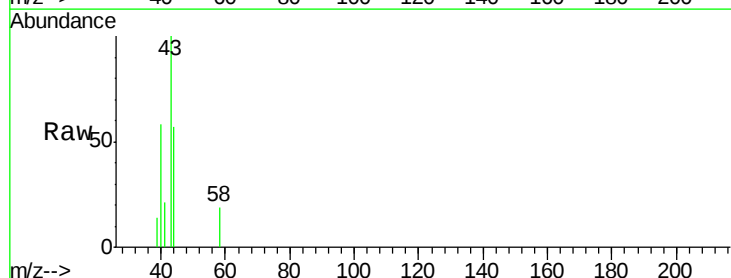
Acq: 29 Aug 2019 16:29

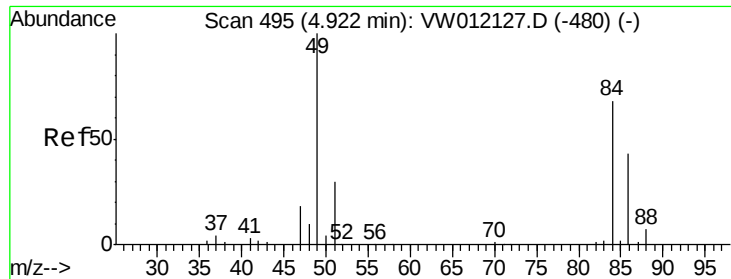
Tgt Ion: 43 Resp: 1673

Ion Ratio Lower Upper

43 100

58 19.4 22.4 33.6#

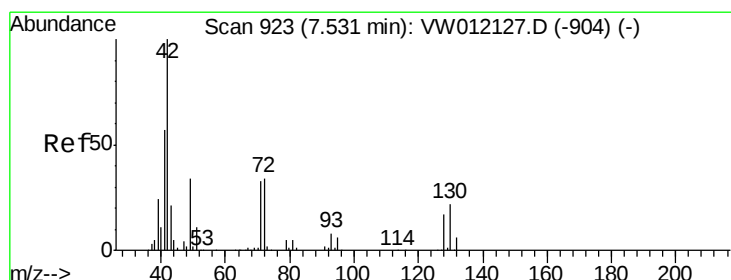
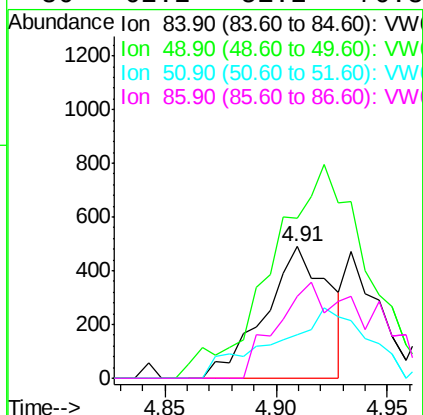
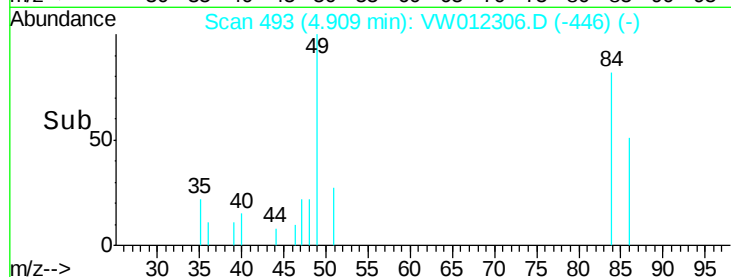
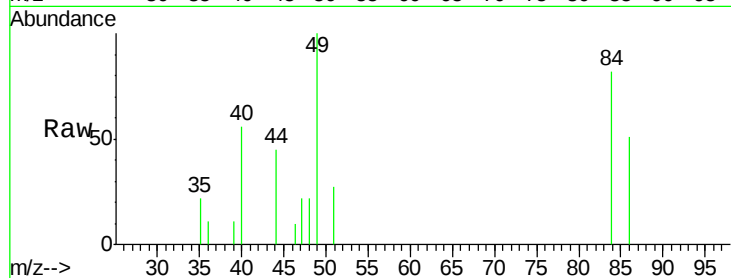




#20
Methvlene Chloride
Concen: 5.431 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012306.D
Acq: 29 Aug 2019 16:29

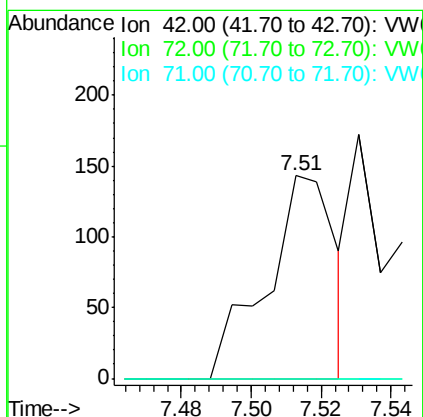
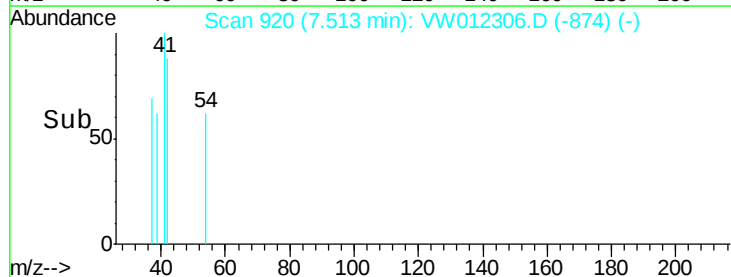
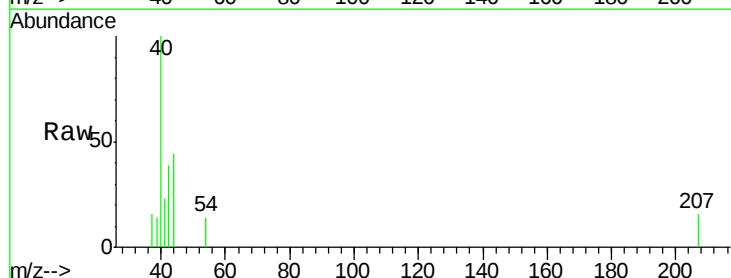
Instrument :
MSVOA_W
ClientSampleId :
RBR-200028

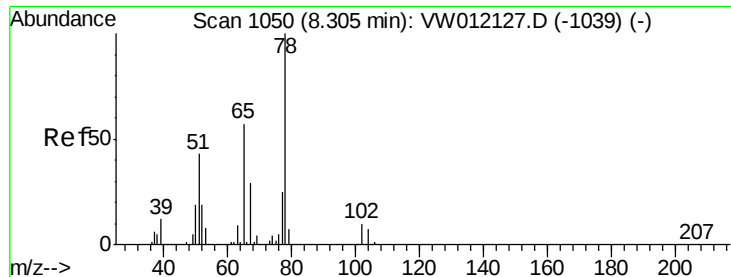
Tot Ion: 84 Resp: 976
Ion Ratio Lower Upper
84 100
49 111.0 117.8 176.8#
51 33.1 35.6 53.4#
86 62.2 51.2 76.8



#29
Tetrahydrofuran
Concen: 5.058 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.02 min
Lab File: VW012306.D
Acq: 29 Aug 2019 16:29

Tgt Ion: 42 Resp: 196
Ion Ratio Lower Upper
42 100
72 0.0 27.3 40.9#
71 0.0 25.5 38.3#





#33

1,2-Dichloroethane-d4

Concen: 59.664 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012306.D

Acq: 29 Aug 2019 16:29

Instrument :

MSVOA_W

ClientSampled :

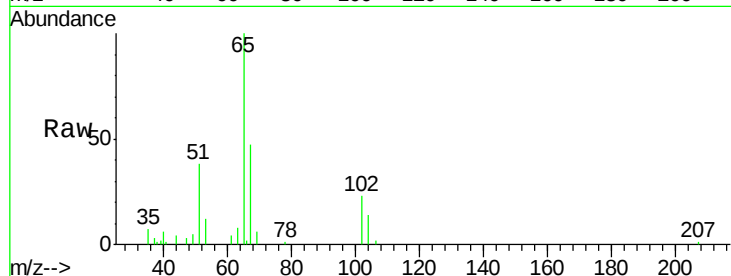
RBR-200028

Tot Ion: 65 Resp: 11095

Ion Ratio Lower Upper

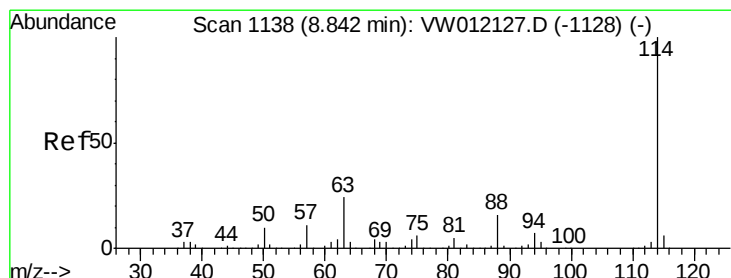
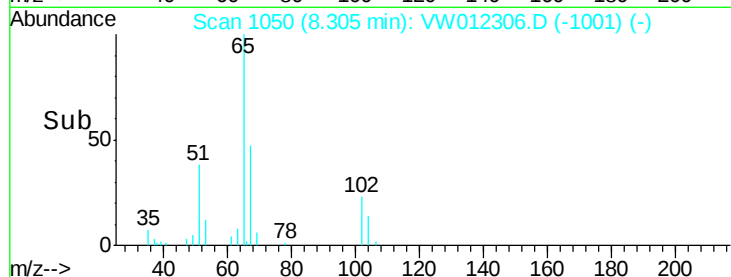
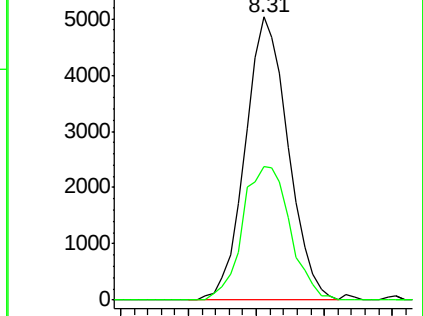
65 100

67 52.2 0.0 102.6



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: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW012306.D

Acq: 29 Aug 2019 16:29

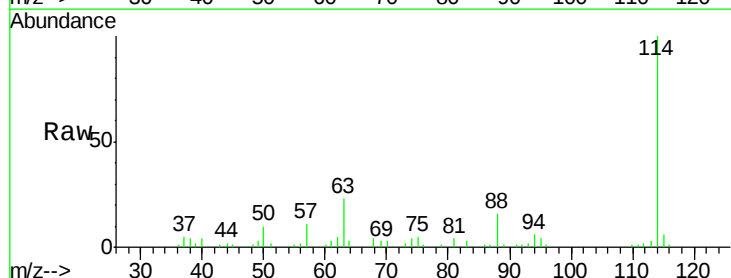
Tgt Ion: 114 Resp: 24112

Ion Ratio Lower Upper

114 100

63 23.2 0.0 48.6

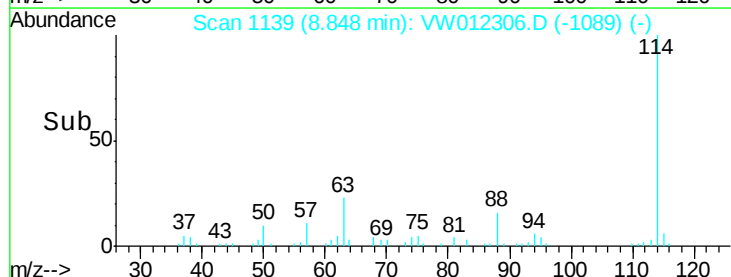
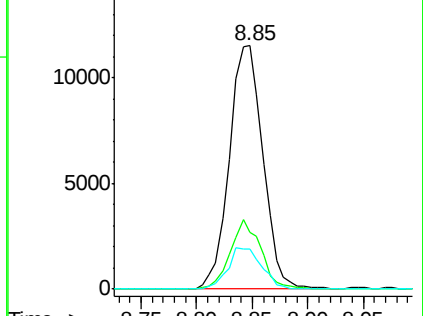
88 16.4 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 56.029 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012306.D

Acq: 29 Aug 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

RBR-200028

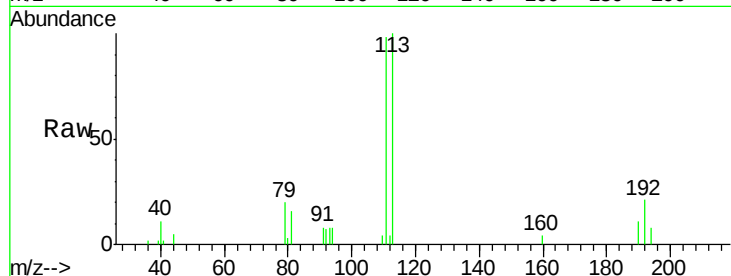
Tot Ion:113 Resp: 8064

Ion Ratio Lower Upper

113 100

111 102.3 82.7 124.1

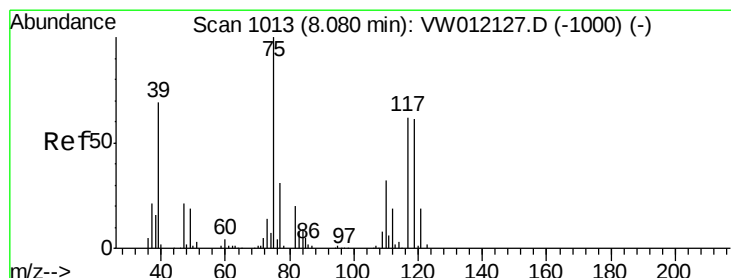
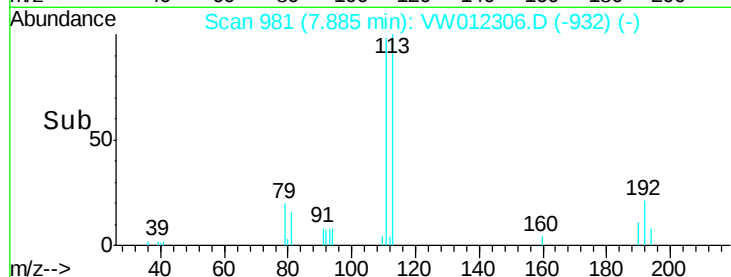
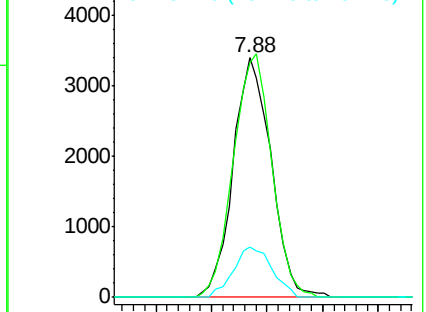
192 21.2 16.2 24.2



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: 5.892 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012306.D

Acq: 29 Aug 2019 16:29

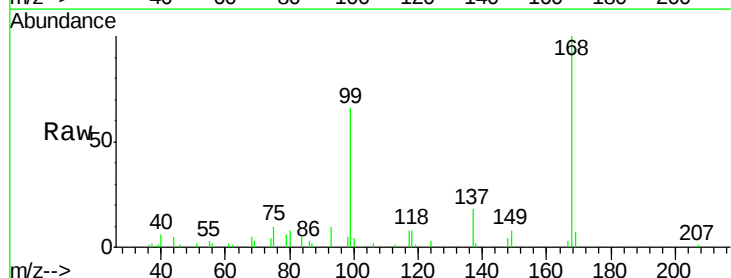
Tgt Ion: 75 Resp: 1468

Ion Ratio Lower Upper

75 100

110 0.0 15.6 46.8#

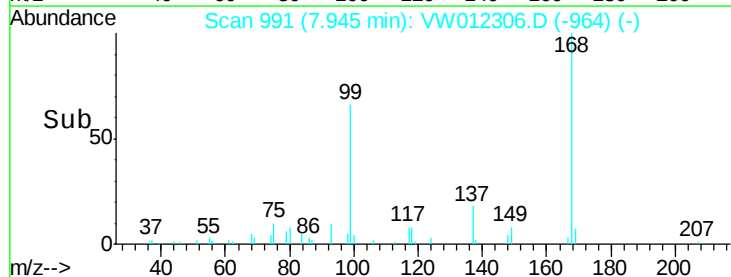
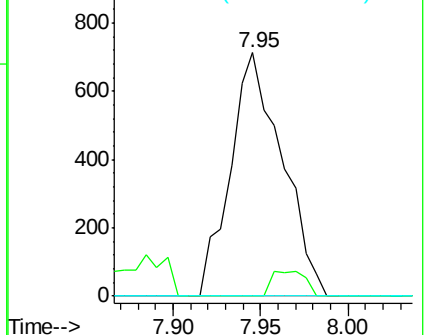
77 0.0 24.6 36.8#

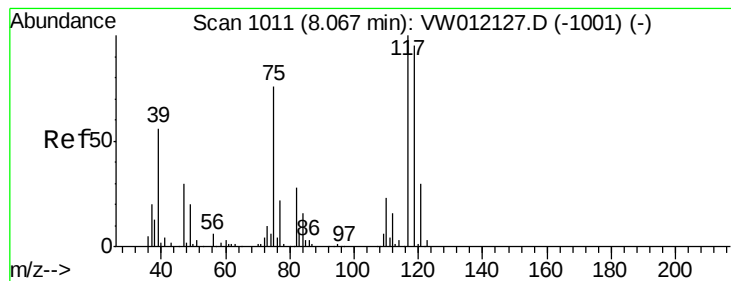


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.122 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW012306.D

Acq: 29 Aug 2019 16:29

Instrument :

MSVOA_W

ClientSampled :

RBR-200028

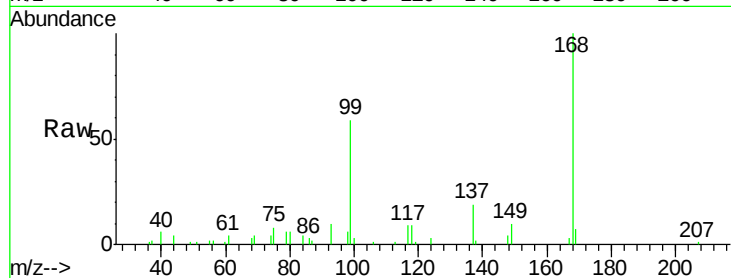
Tot Ion:117 Resp: 1536

Ion Ratio Lower Upper

117 100

119 8.8 76.2 114.2#

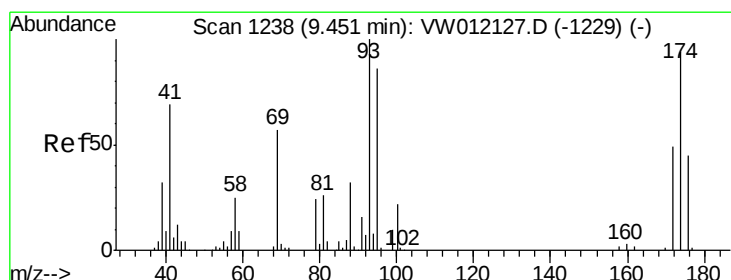
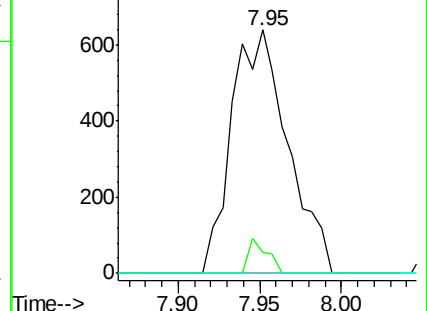
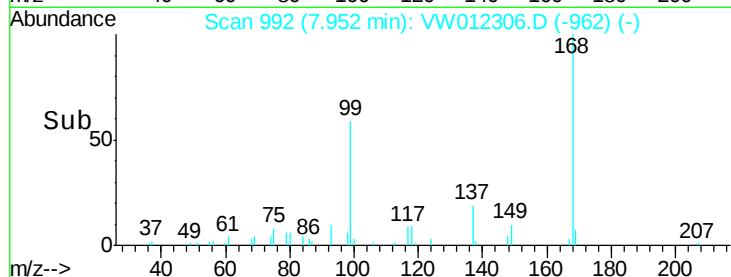
121 0.0 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 16.837 ug/l

RT: 9.70 min Scan# 1279

Delta R.T. 0.25 min

Lab File: VW012306.D

Acq: 29 Aug 2019 16:29

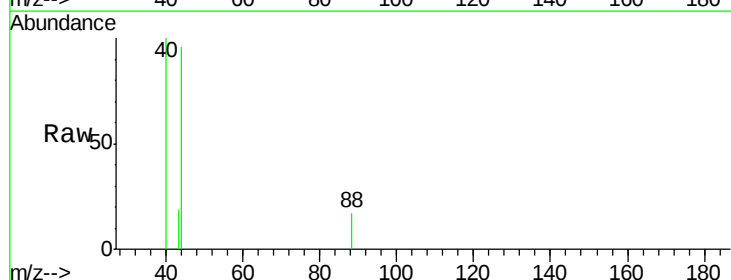
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 109.5 32.9 49.3#

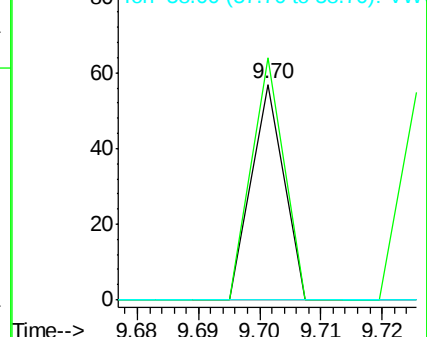
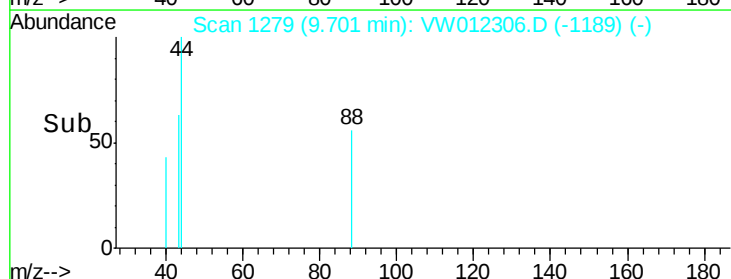
58 0.0 71.0 106.4#

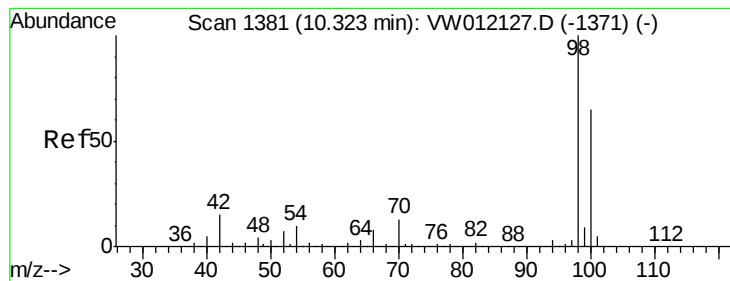


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

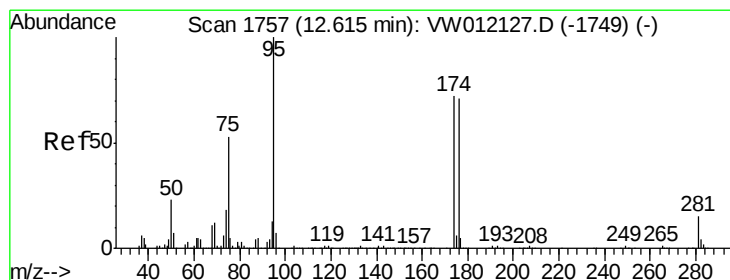
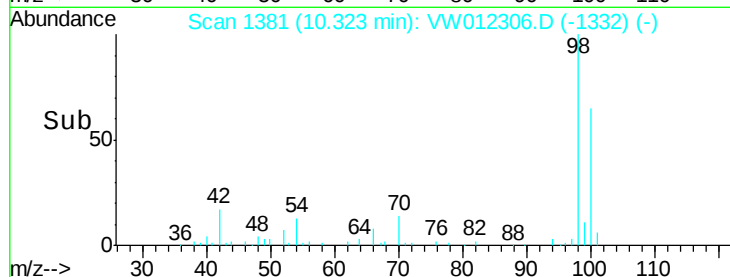
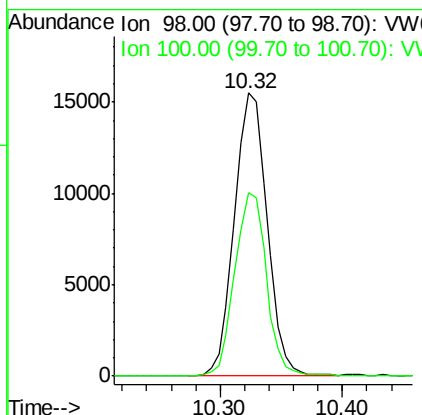
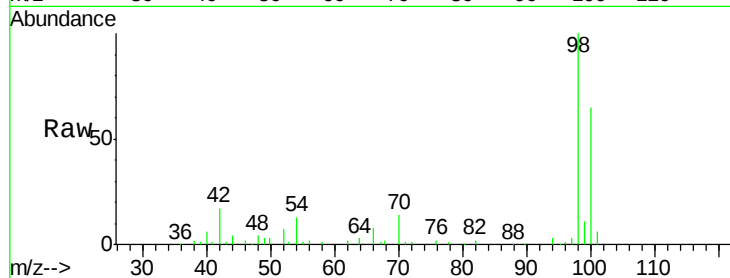




#50
Toluene-d8
Concen: 49.397 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012306.D
Acq: 29 Aug 2019 16:29

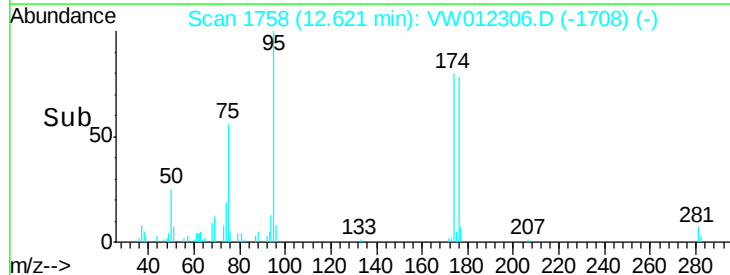
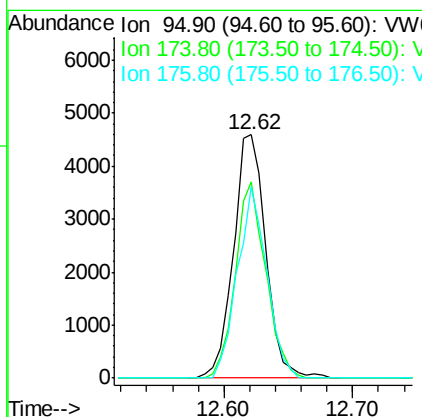
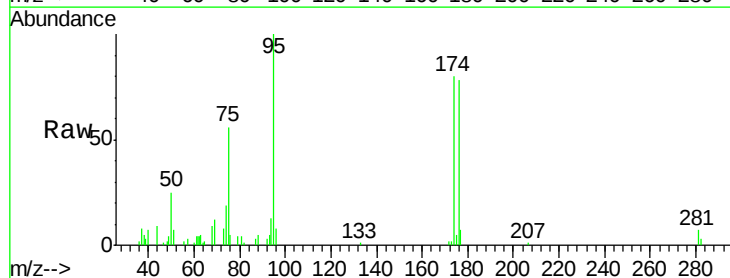
Instrument :
MSVOA_W
ClientSampleId :
RBR-200028

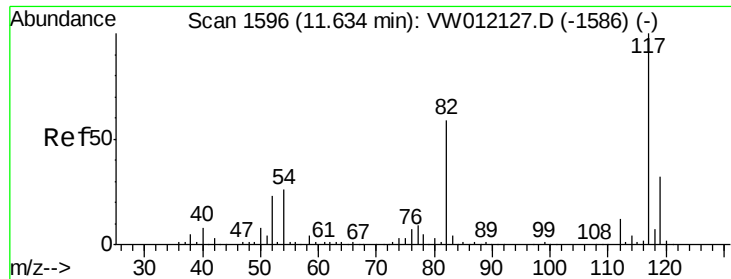
Tot Ion: 98 Resp: 28827
Ion Ratio Lower Upper
98 100
100 62.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 38.802 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012306.D
Acq: 29 Aug 2019 16:29

Tgt Ion: 95 Resp: 7982
Ion Ratio Lower Upper
95 100
174 75.8 0.0 150.8
176 71.4 0.0 148.6

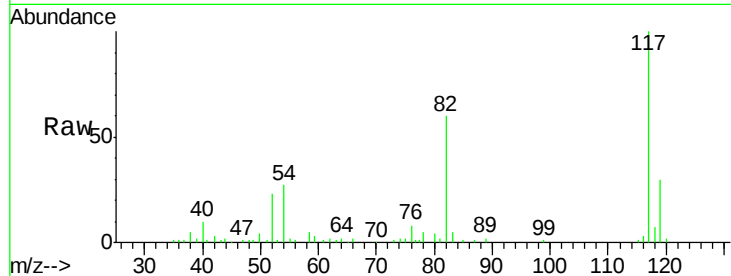




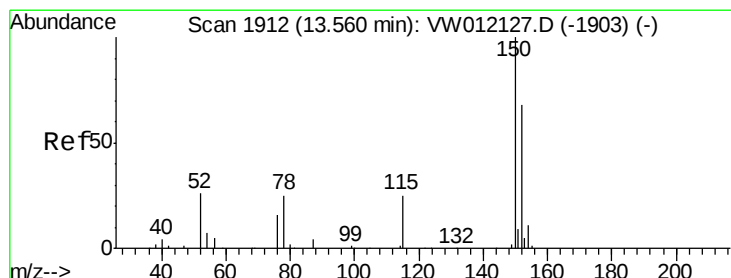
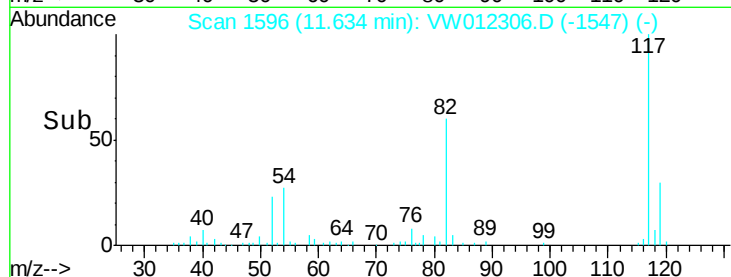
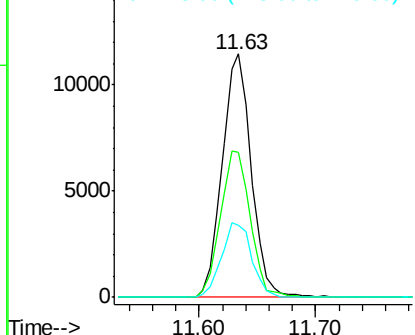
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012306.D
Acq: 29 Aug 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
RBR-200028

Tot Ion:117 Resp: 19784
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 29.6 25.4 38.2

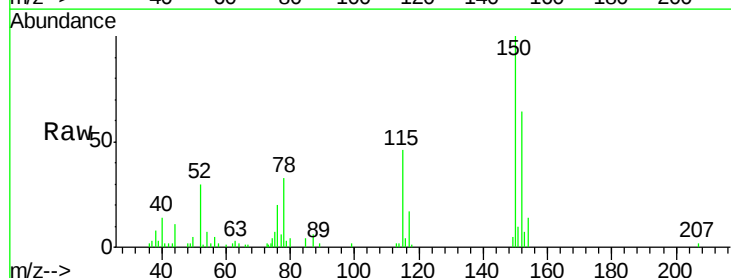


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

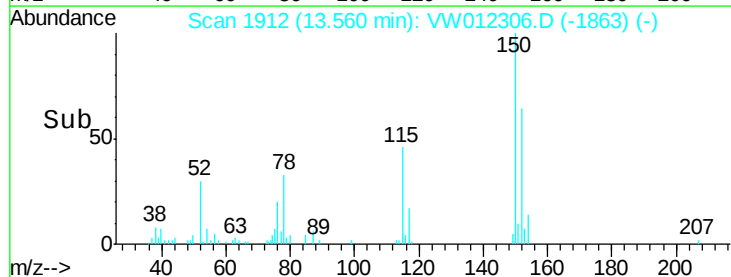
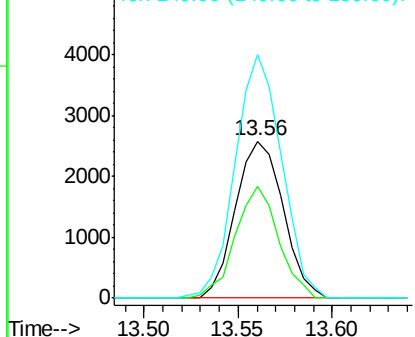


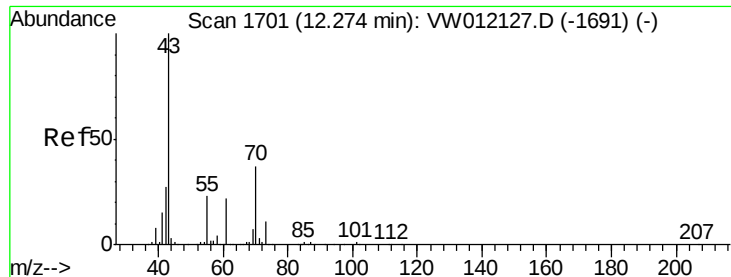
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012306.D
Acq: 29 Aug 2019 16:29

Tgt Ion:152 Resp: 4510
Ion Ratio Lower Upper
152 100
115 64.8 30.1 90.3
150 151.5 0.0 345.8



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





#74

N-amvl acetate

Concen: 1.146 ug/l

RT: 12.32 min Scan# 1708

Delta R.T. 0.04 min

Lab File: VW012306.D

Acq: 29 Aug 2019 16:29

Instrument :

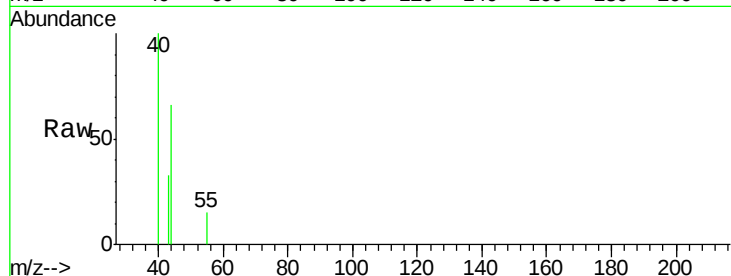
MSVOA_W

ClientSampleId :

RBR-200028

Tot Ion: 43 Resp: 117

Ion	Ratio	Lower	Upper
43	100		
70	0.0	28.6	43.0#
55	18.8	17.8	26.6
61	0.0	17.3	25.9#

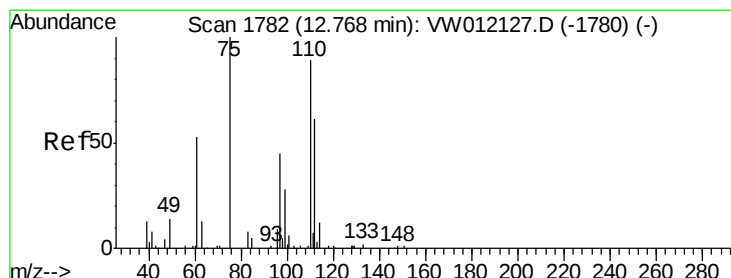
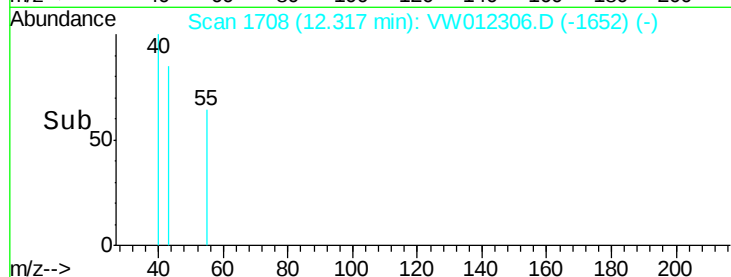
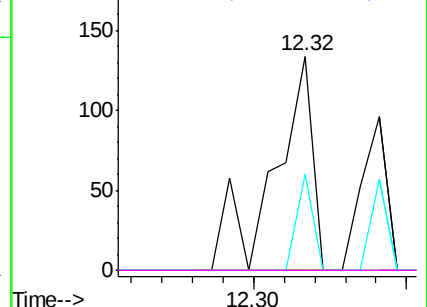


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 92.546 ug/l

RT: 12.62 min Scan# 1758

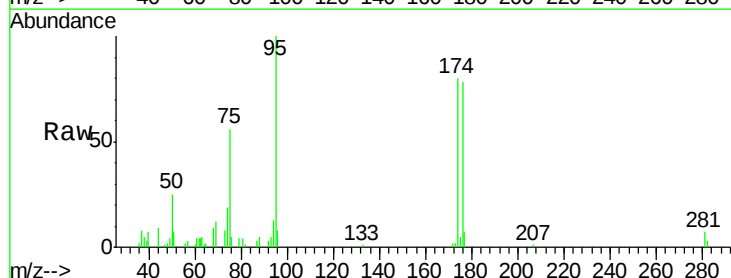
Delta R.T. -0.15 min

Lab File: VW012306.D

Acq: 29 Aug 2019 16:29

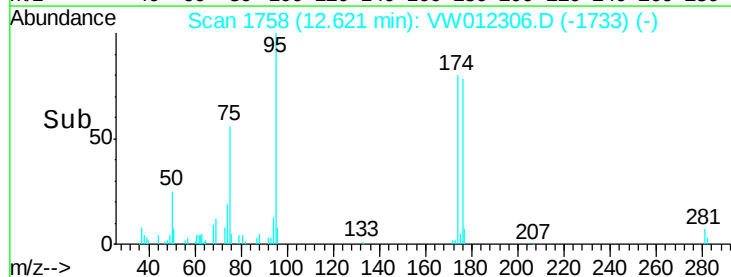
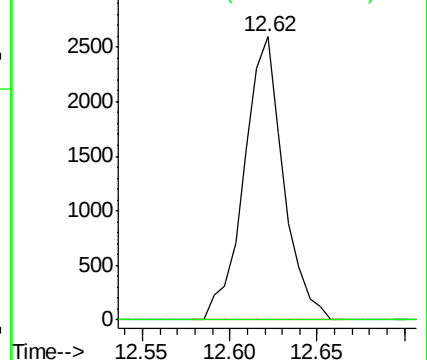
Tgt Ion: 75 Resp: 4065

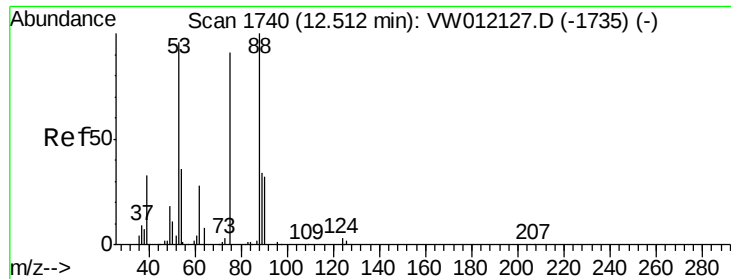
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

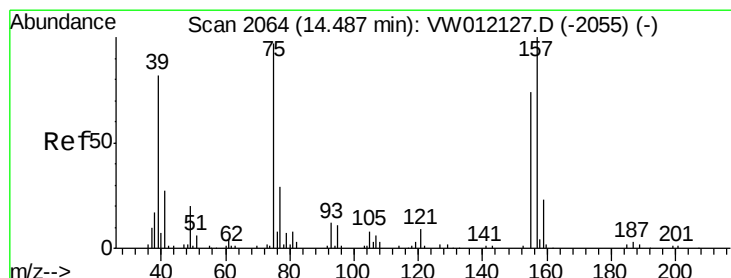
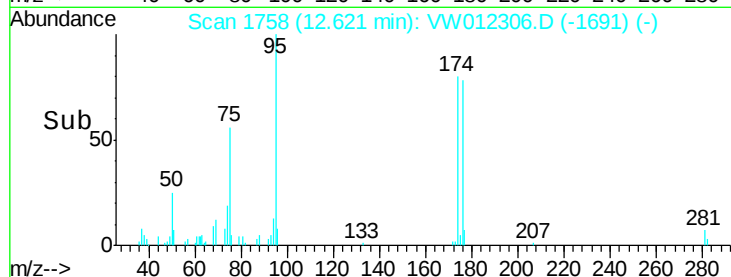
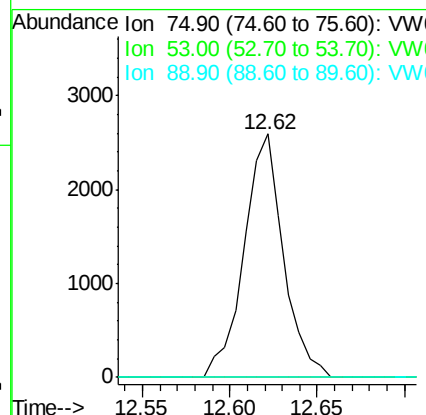
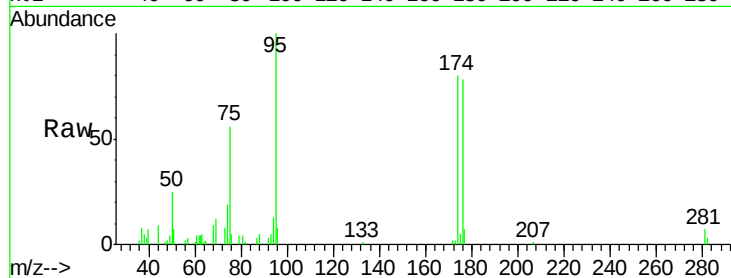




#81
trans-1,4-Dichloro-2-butene
Concen: 202.910 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW012306.D
Acq: 29 Aug 2019 16:29

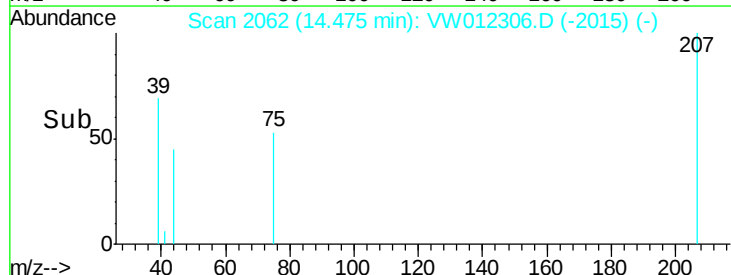
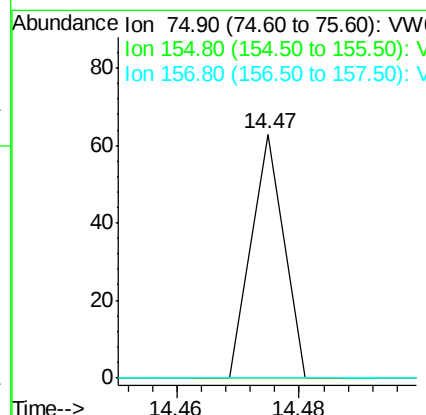
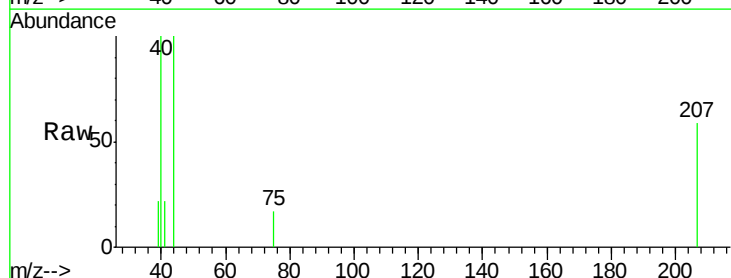
Instrument :
MSVOA_W
ClientSampleId :
RBR-200028

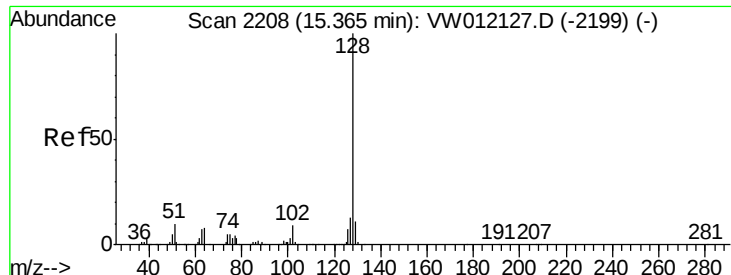
Tot Ion: 75 Resp: 4065
Ion Ratio Lower Upper
75 100
53 0.0 89.4 134.0#
89 0.0 34.5 51.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.202 ug/l
RT: 14.47 min Scan# 2062
Delta R.T. -0.01 min
Lab File: VW012306.D
Acq: 29 Aug 2019 16:29

Tgt Ion: 75 Resp: 23
Ion Ratio Lower Upper
75 100
155 0.0 37.5 112.3#
157 0.0 50.5 151.5#





#95

Naphthalene

Concen: 4.541 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012306.D

Acq: 29 Aug 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

RBR-200028

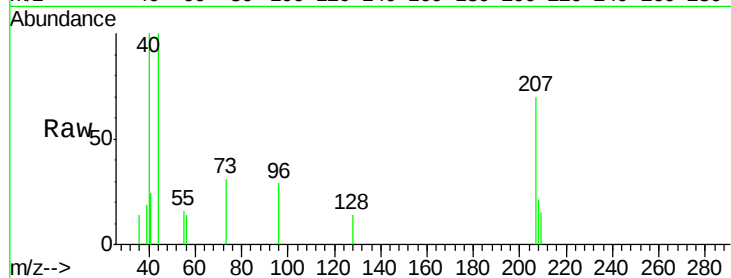
Tot Ion:128 Resp: 41

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 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

