

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100618\
 Data File : VW005875.D
 Acq On : 05 Oct 2018 03:06
 Operator : SY/AP
 Sample : J5218-03RE
 Misc : 5.01G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 229-211-RBR250129RE

Quant Time: Oct 05 05:15:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 04 07:08:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	166145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	276121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	204022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	71190	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	76824	38.11	ug/l	0.00
Spiked Amount						
			Recovery	=	76.22%	
35) Dibromofluoromethane	7.89	113	65463	36.17	ug/l	0.00
Spiked Amount						
			Recovery	=	72.34%	
50) Toluene-d8	10.33	98	169144	23.54	ug/l	0.00
Spiked Amount						
			Recovery	=	47.08%	
62) 4-Bromofluorobenzene	12.62	95	66778	25.14	ug/l	0.00
Spiked Amount						
			Recovery	=	50.28%	

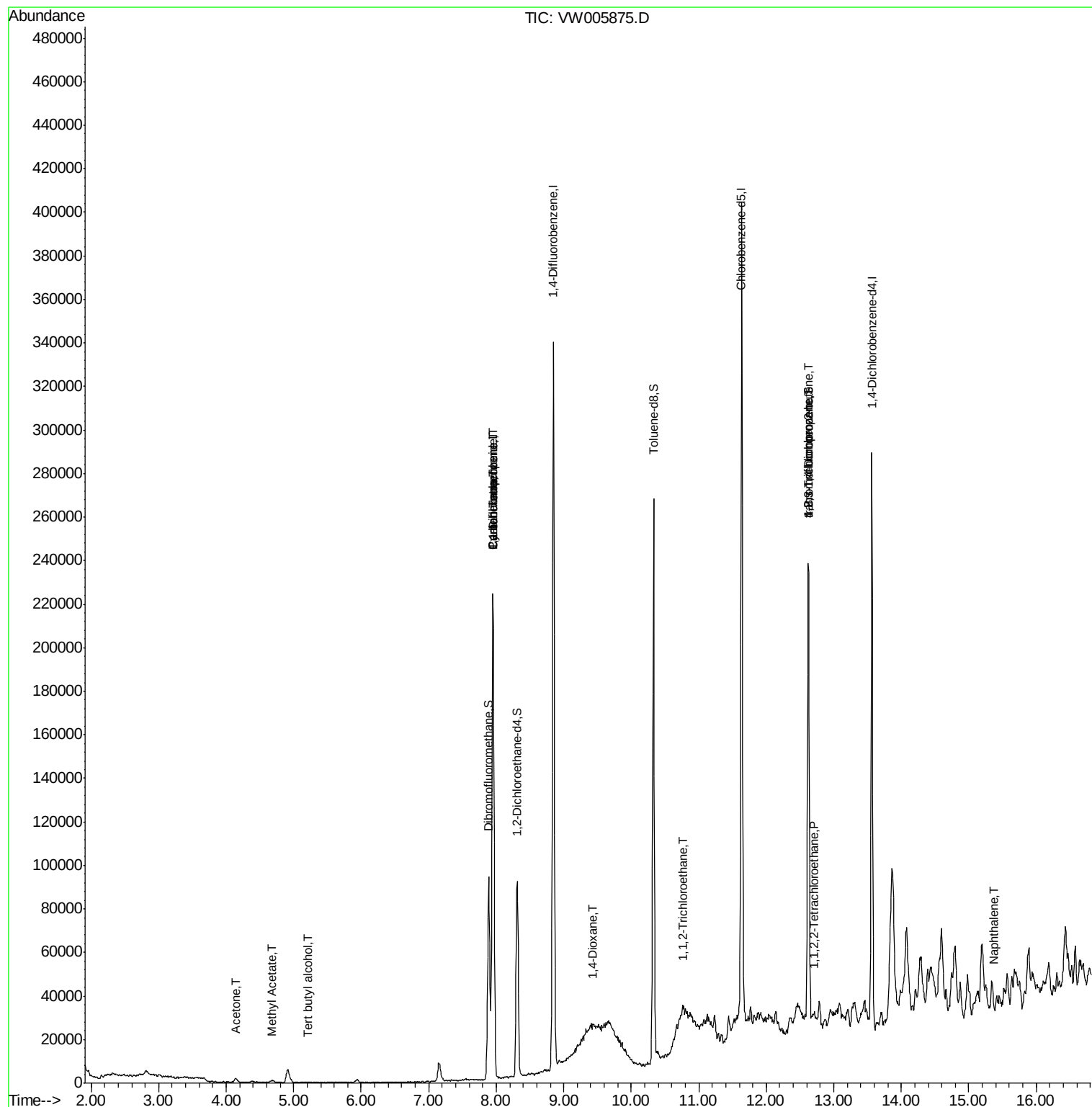
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	259	2.125	ug/l #	82
16) Acetone	4.14	43	3424	10.179	ug/l	98
18) Methyl Acetate	4.67	43	2046	2.139	ug/l #	81
20) Methylene Chloride	4.91	84	5341	Below Cal	#	90
31) Cyclohexane	7.95	56	3984	1.445	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	13333	4.858	ug/l #	50
38) Carbon Tetrachloride	7.95	117	16557	5.414	ug/l #	16
49) 1,4-Dioxane	9.42	88	19	1.180	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	3275	2.201	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.70	83	850	1.011	ug/l #	48
76) 1,2,3-Trichloropropane	12.62	75	35518	54.898	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	35518	138.771	ug/l #	8
95) Naphthalene	15.38	128	997	2.435	ug/l #	75

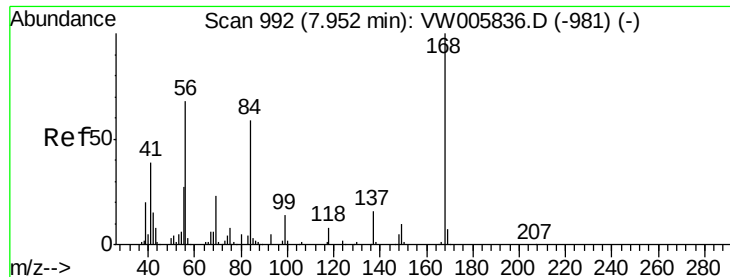
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 05 05:15:13 2018
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Quant Title : SW846 8260
QLast Update : Thu Oct 04 07:08:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005875.D

Acq: 05 Oct 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

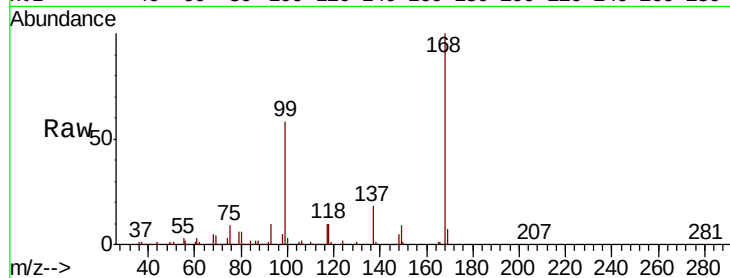
229-211-RBR250129RE

Tgt Ion:168 Resp: 166145

Ion Ratio Lower Upper

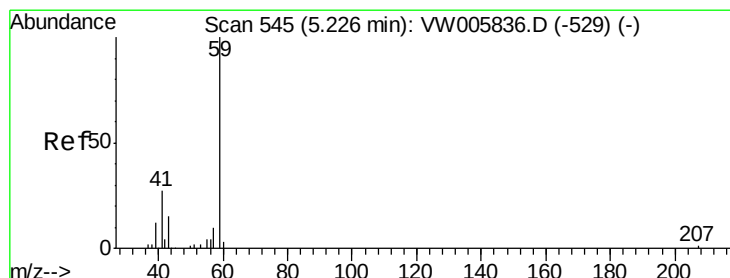
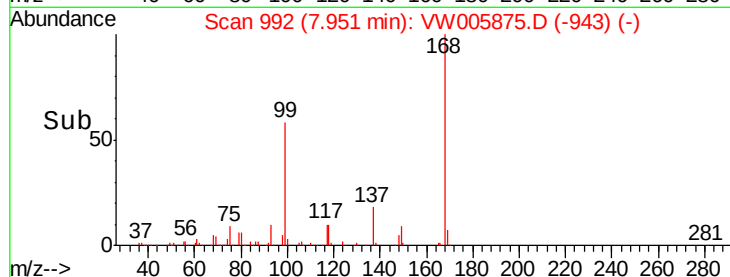
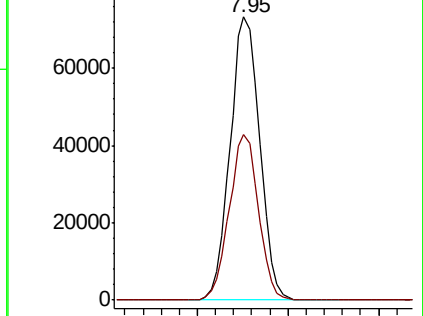
168 100

99 58.3 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.125 ug/l

RT: 5.21 min Scan# 543

Delta R.T. -0.01 min

Lab File: VW005875.D

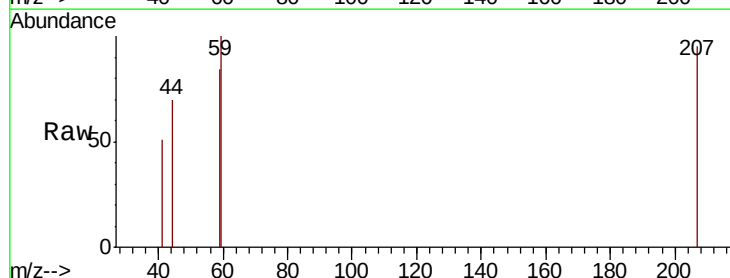
Acq: 05 Oct 2018 03:06

Tgt Ion: 59 Resp: 259

Ion Ratio Lower Upper

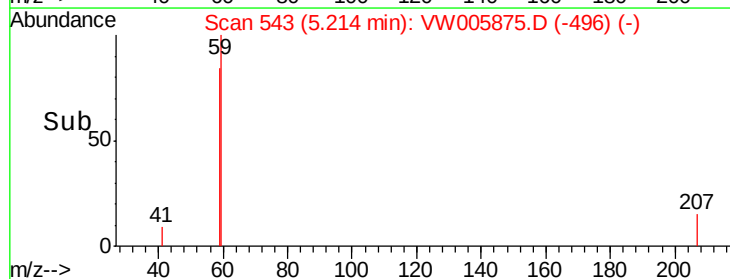
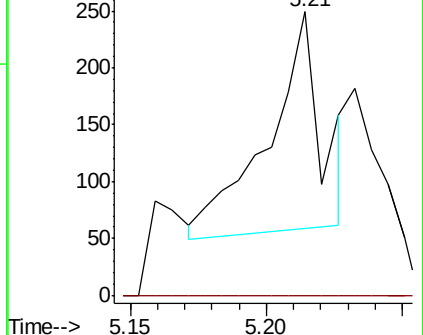
59 100

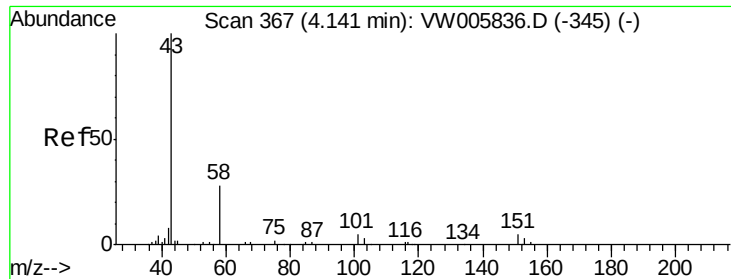
57 0.0 4.9 7.3#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 10.179 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW005875.D

Acq: 05 Oct 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

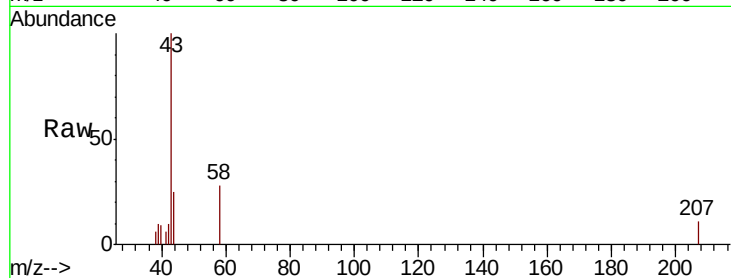
229-211-RBR250129RE

Tgt Ion: 43 Resp: 3424

Ion Ratio Lower Upper

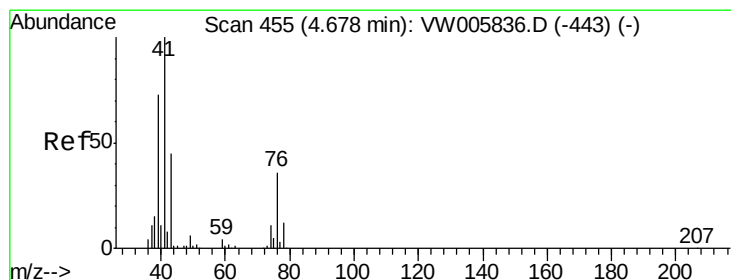
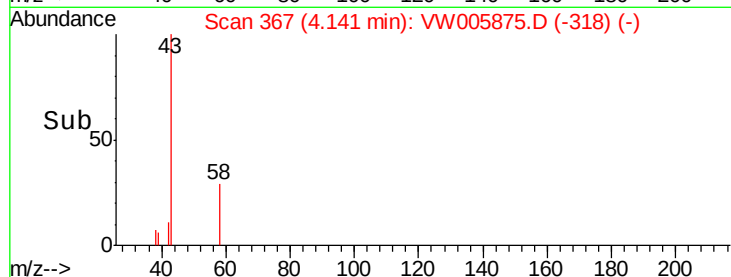
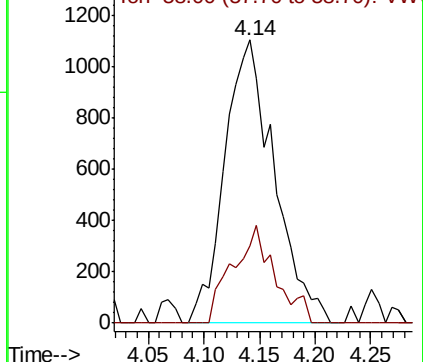
43 100

58 27.5 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 2.139 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW005875.D

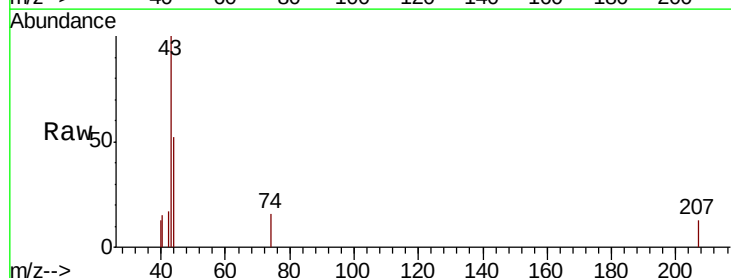
Acq: 05 Oct 2018 03:06

Tgt Ion: 43 Resp: 2046

Ion Ratio Lower Upper

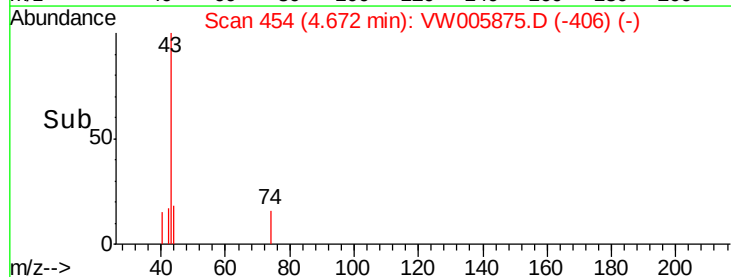
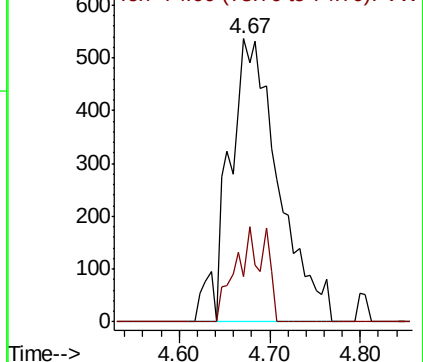
43 100

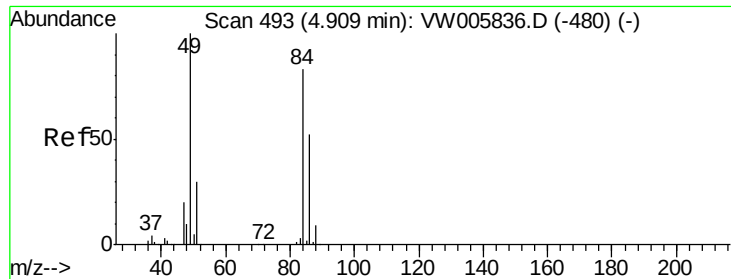
74 14.9 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

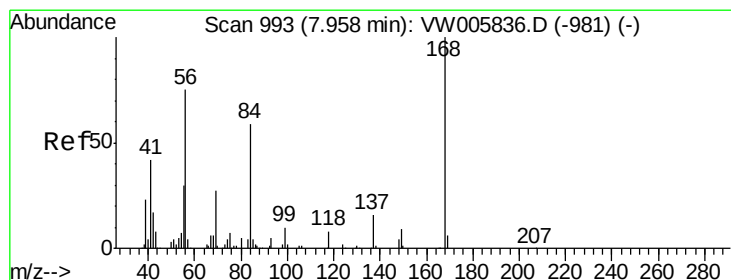
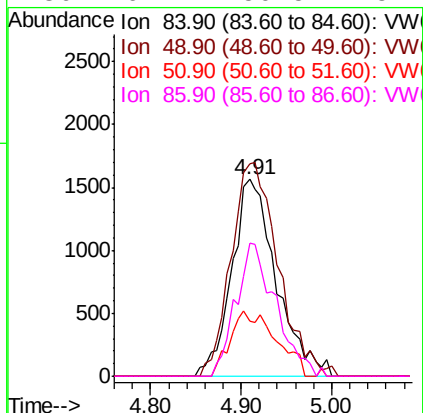
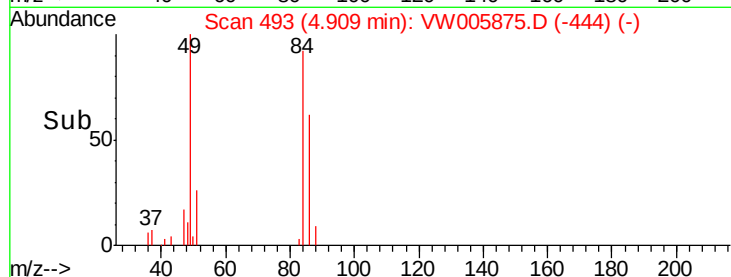
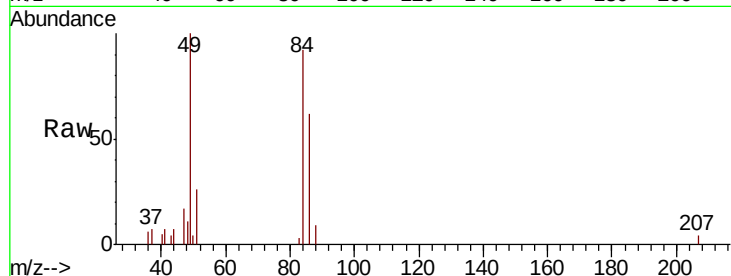




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW005875.D
Acq: 05 Oct 2018 03:06

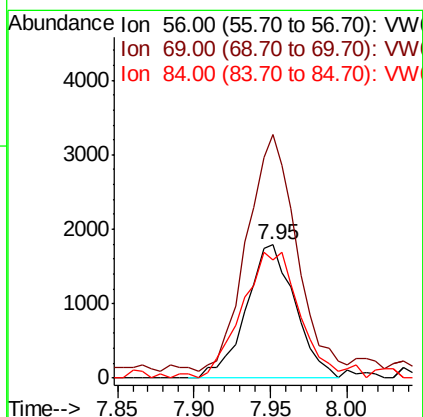
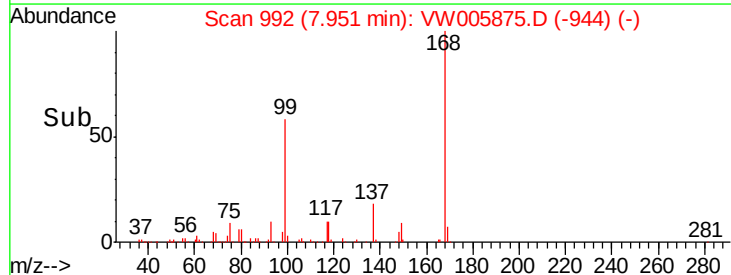
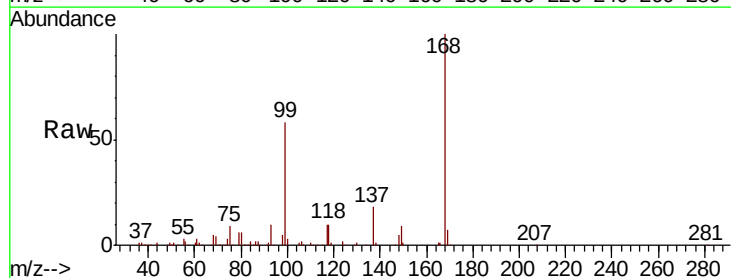
Instrument :
MSVOA_W
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229-211-RBR250129RE

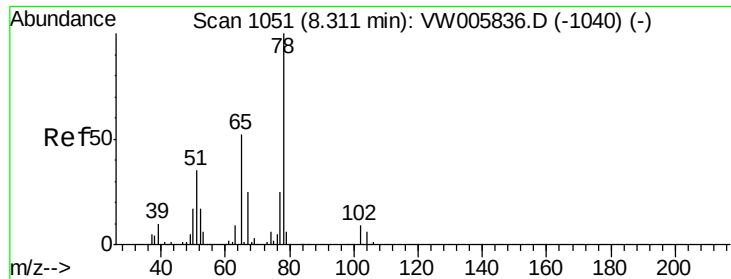
Tgt Ion: 84 Resp: 5341
Ion Ratio Lower Upper
84 100
49 108.1 96.8 145.2
51 27.7 28.8 43.2#
86 67.4 50.5 75.7



#31
Cyclohexane
Concen: 1.445 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005875.D
Acq: 05 Oct 2018 03:06

Tgt Ion: 56 Resp: 3984
Ion Ratio Lower Upper
56 100
69 174.8 29.0 43.4#
84 85.3 63.5 95.3

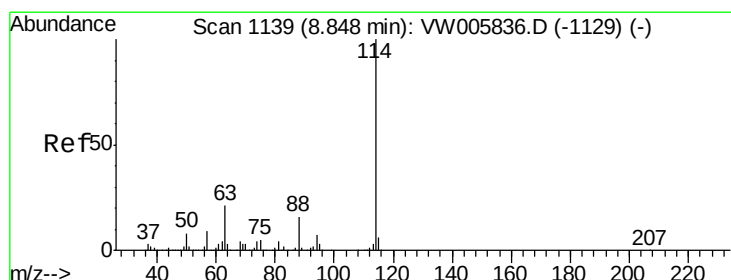
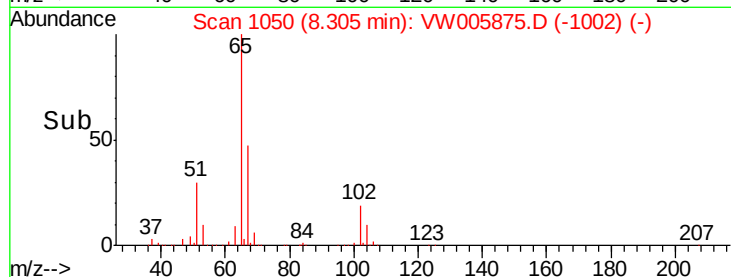
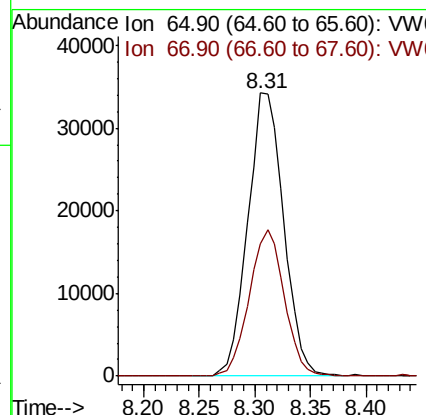
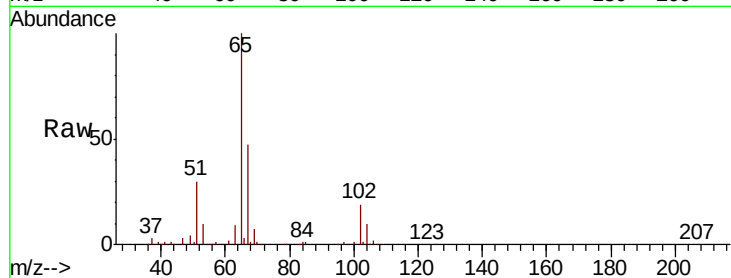




#33
 1,2-Dichloroethane-d4
 Concen: 38.115 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW005875.D
 Acq: 05 Oct 2018 03:06

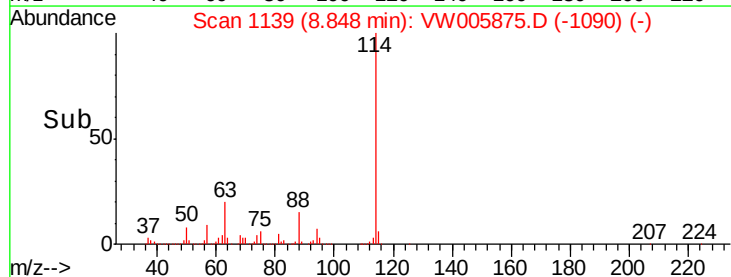
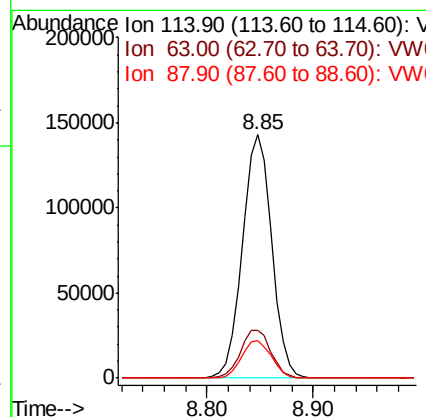
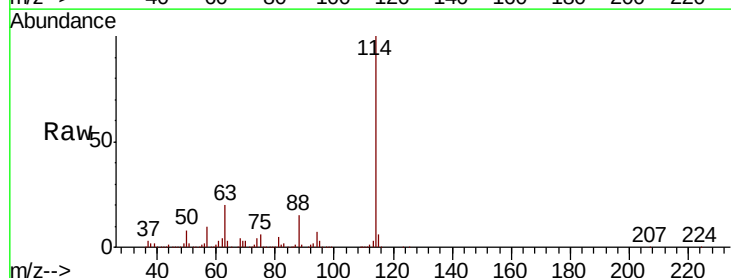
Instrument :
 MSVOA_W
 ClientSampleId :
 229-211-RBR250129RE

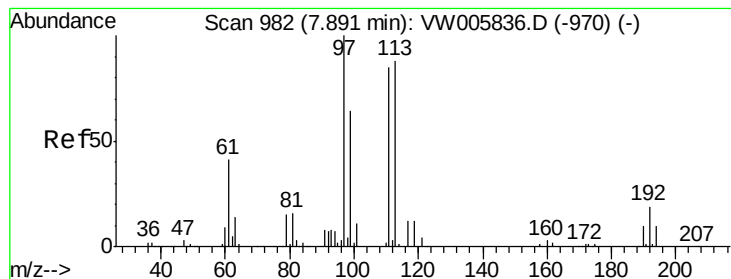
Tgt Ion: 65 Resp: 76824
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005875.D
 Acq: 05 Oct 2018 03:06

Tgt Ion: 114 Resp: 276121
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.0
 88 15.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 36.171 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005875.D

Acq: 05 Oct 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

229-211-RBR250129RE

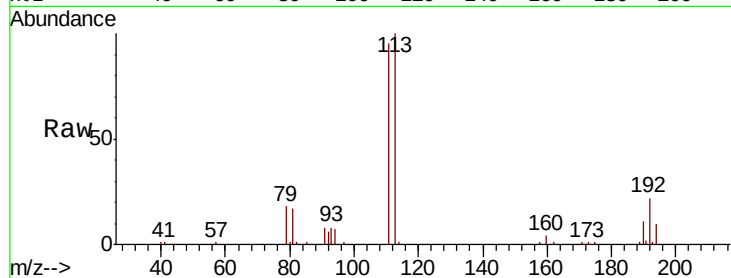
Tgt Ion:113 Resp: 65463

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.2

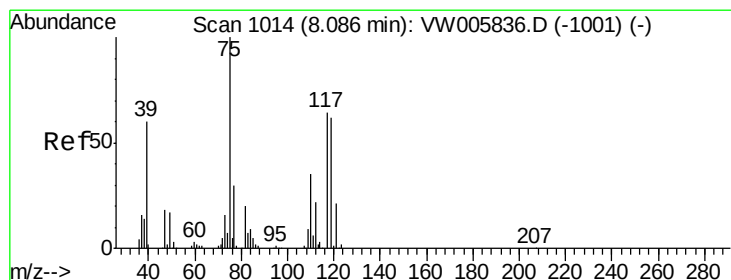
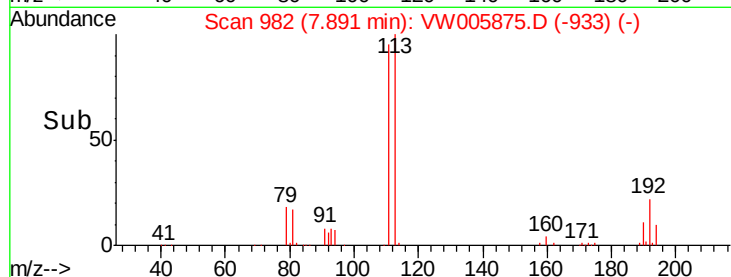
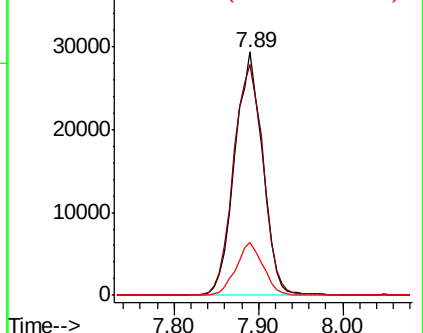
192 21.0 17.3 25.9



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: 4.858 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005875.D

Acq: 05 Oct 2018 03:06

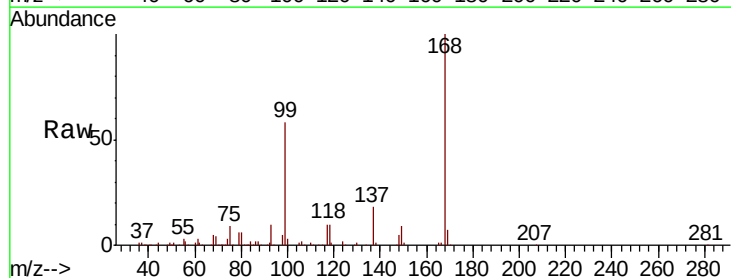
Tgt Ion: 75 Resp: 13333

Ion Ratio Lower Upper

75 100

110 9.5 17.5 52.6#

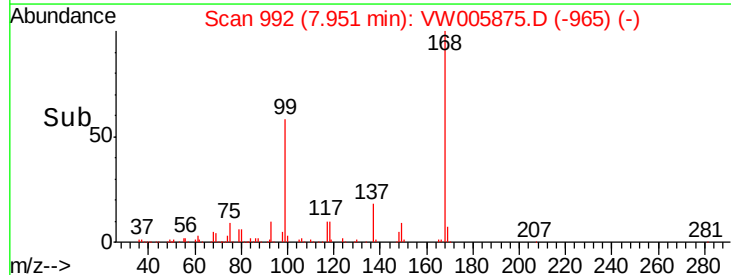
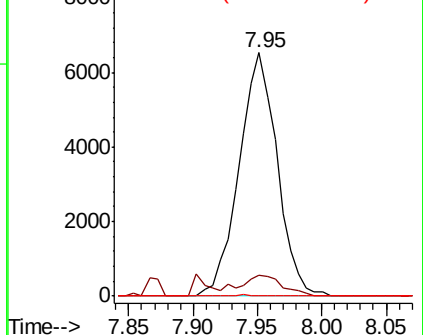
77 0.2 24.8 37.2#

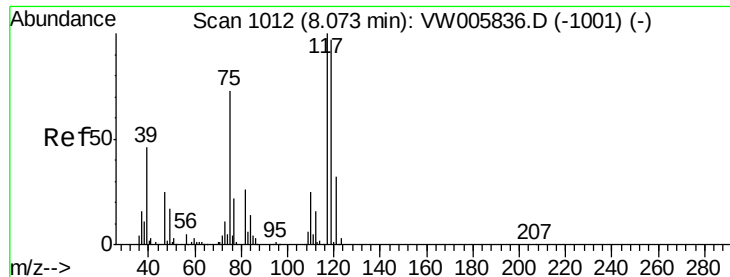


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.414 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005875.D

Acq: 05 Oct 2018 03:06

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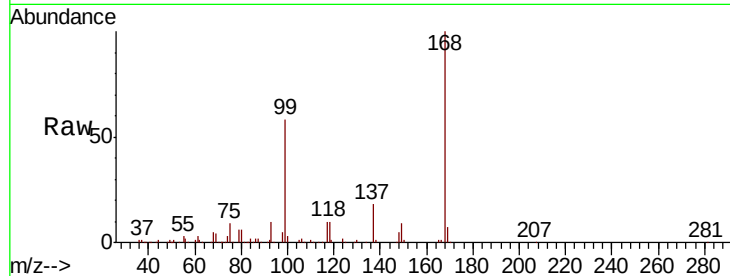
Tgt Ion:117 Resp: 16557

Ion Ratio Lower Upper

117 100

119 5.4 77.9 116.9#

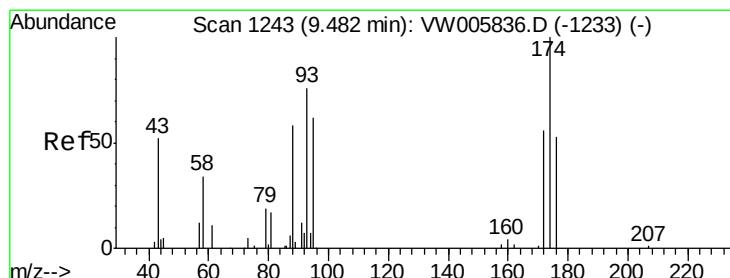
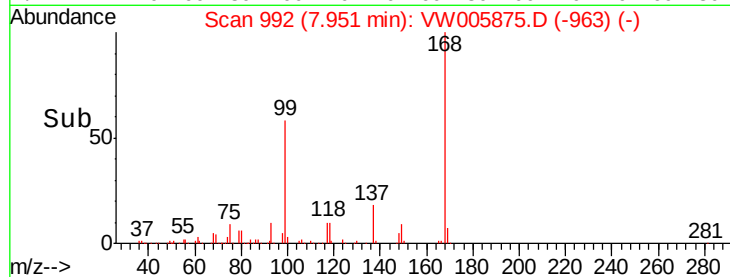
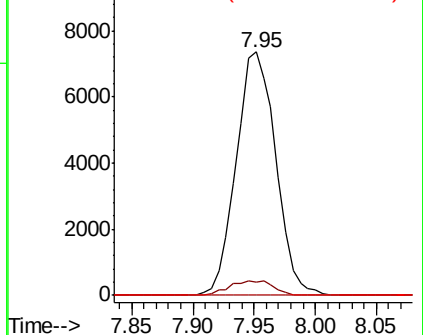
121 0.0 25.2 37.8#



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: 1.180 ug/l

RT: 9.42 min Scan# 1233

Delta R.T. -0.06 min

Lab File: VW005875.D

Acq: 05 Oct 2018 03:06

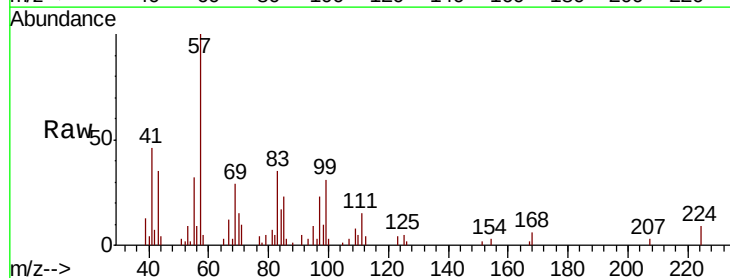
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 2447.4 0.0 0.0#

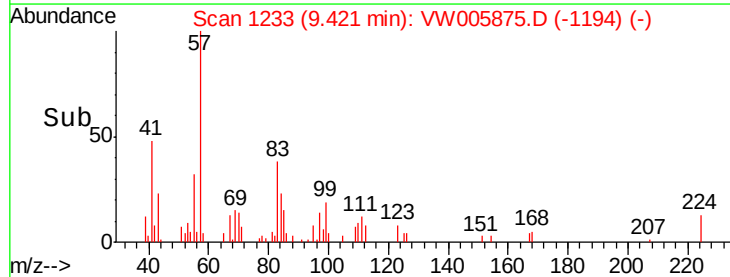
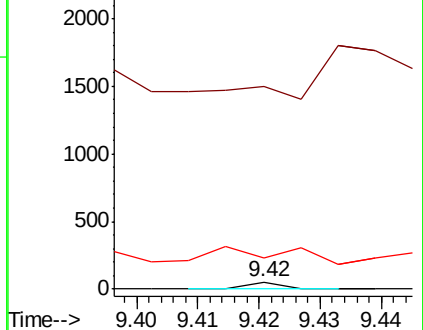
58 478.9 58.1 87.1#

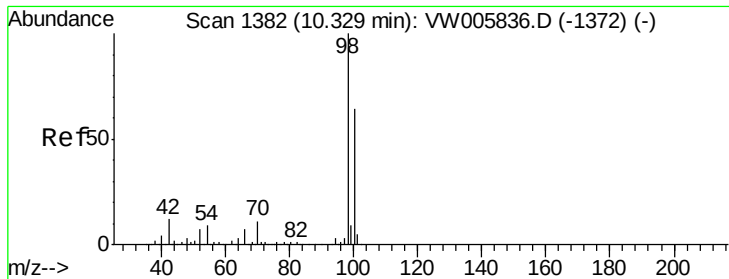


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 23.537 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005875.D

Acq: 05 Oct 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

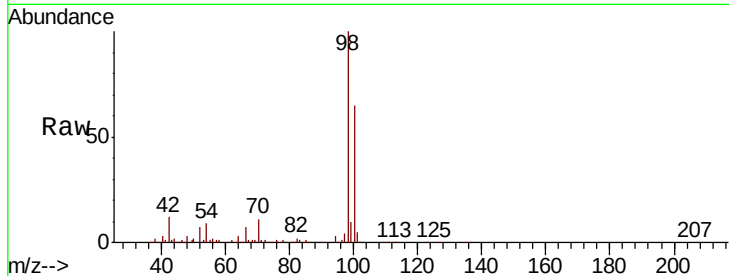
229-211-RBR250129RE

Tgt Ion: 98 Resp: 169144

Ion Ratio Lower Upper

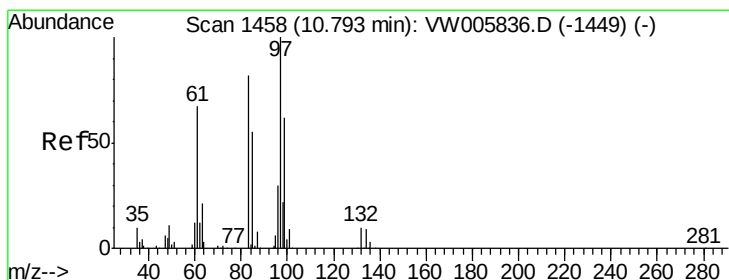
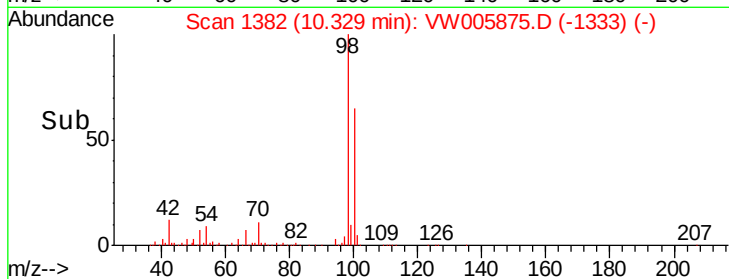
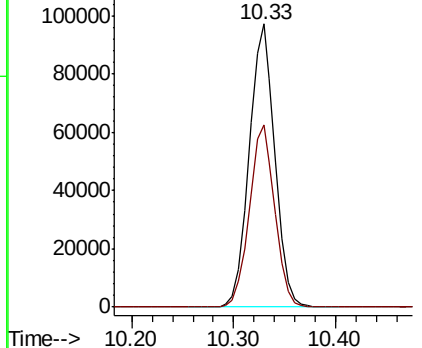
98 100

100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#55

1,1,2-Trichloroethane

Concen: 2.201 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.03 min

Lab File: VW005875.D

Acq: 05 Oct 2018 03:06

Tgt Ion: 97 Resp: 3275

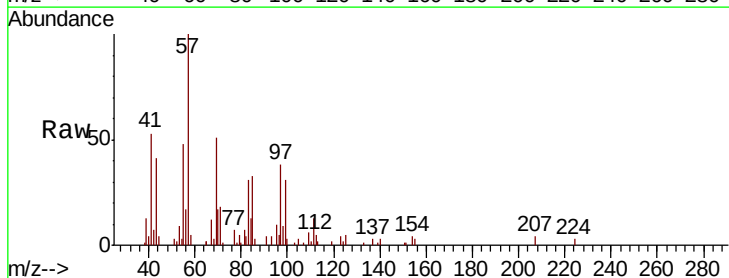
Ion Ratio Lower Upper

97 100

83 39.8 65.9 98.9#

85 19.4 44.2 66.2#

99 36.2 49.2 73.8#

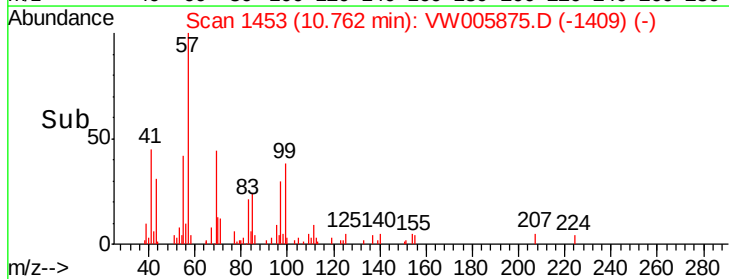
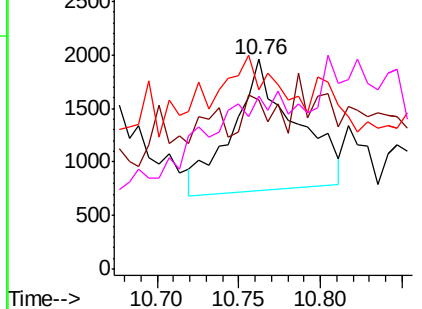


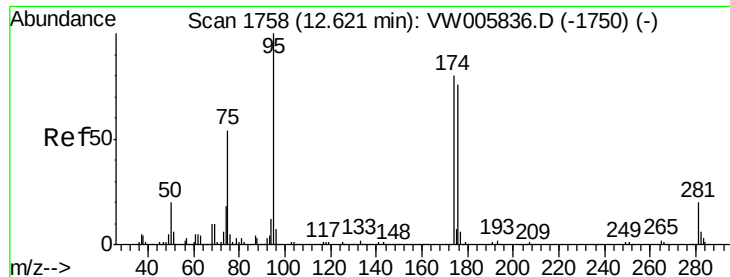
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

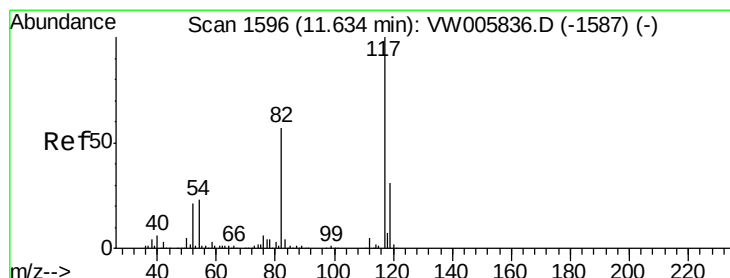
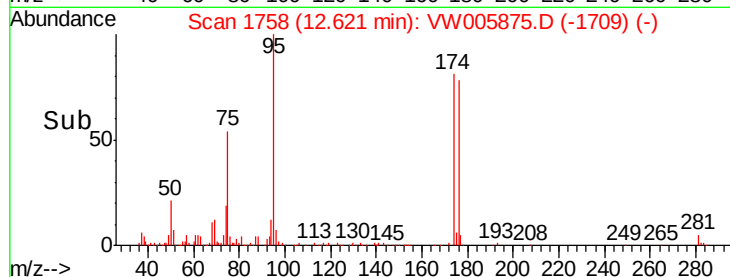
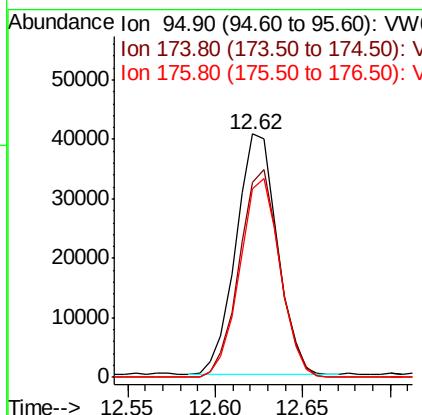
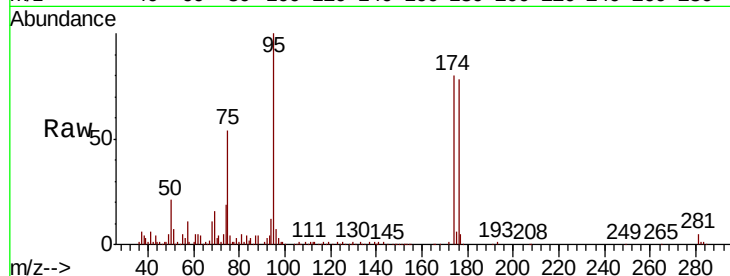




#62
4-Bromofluorobenzene
Concen: 25.144 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005875.D
Acq: 05 Oct 2018 03:06

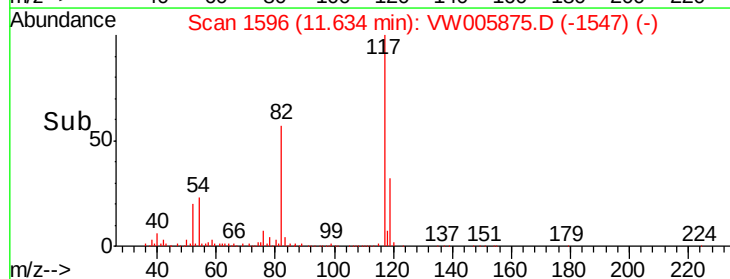
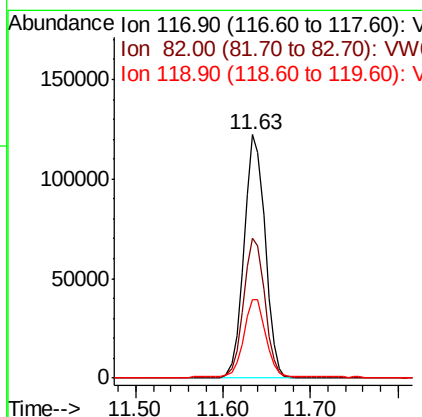
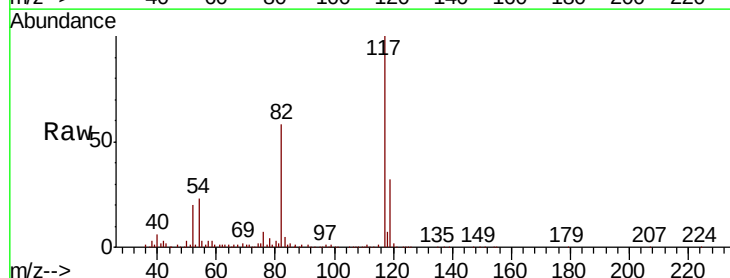
Instrument :
MSVOA_W
ClientSampleId :
229-211-RBR250129RE

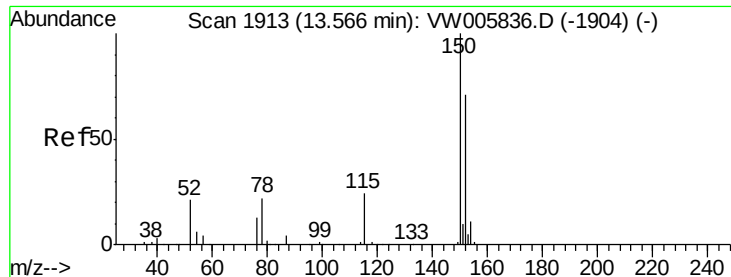
Tgt Ion: 95 Resp: 66778
Ion Ratio Lower Upper
95 100
174 84.1 0.0 169.0
176 80.5 0.0 164.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005875.D
Acq: 05 Oct 2018 03:06

Tgt Ion: 117 Resp: 204022
Ion Ratio Lower Upper
117 100
82 57.5 45.6 68.4
119 31.9 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW005875.D

Acq: 05 Oct 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

229-211-RBR250129RE

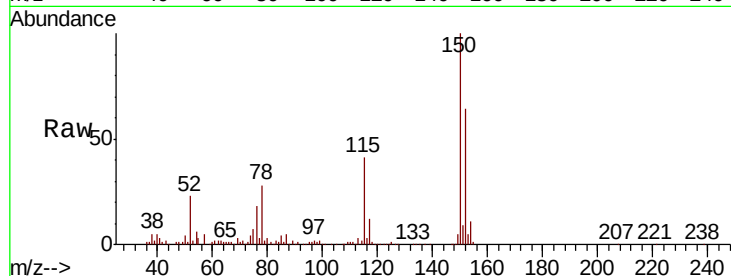
Tgt Ion:152 Resp: 71190

Ion Ratio Lower Upper

152 100

115 60.6 29.8 89.4

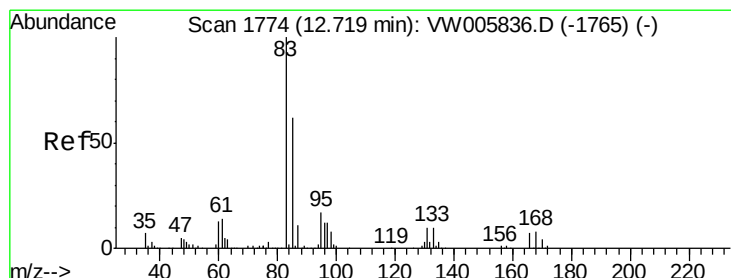
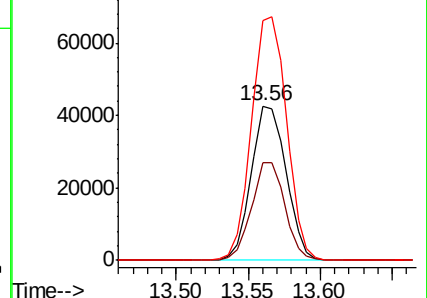
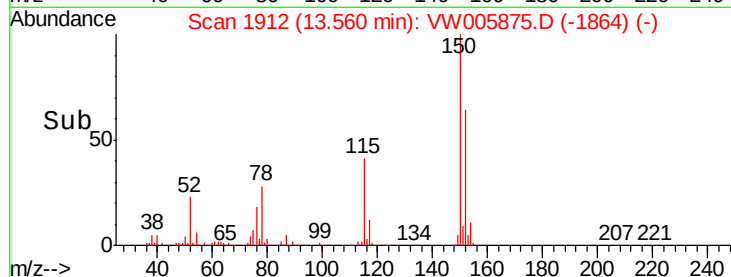
150 158.7 0.0 349.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.011 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW005875.D

Acq: 05 Oct 2018 03:06

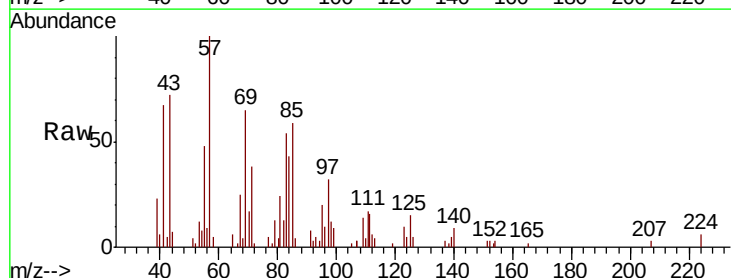
Tgt Ion: 83 Resp: 850

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.6#

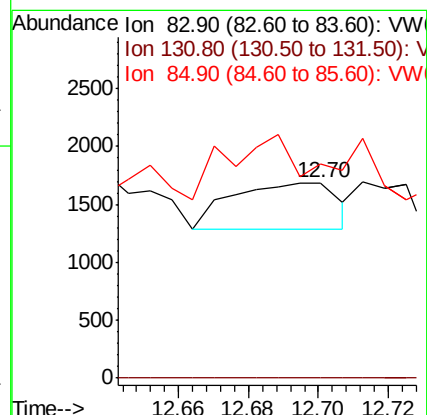
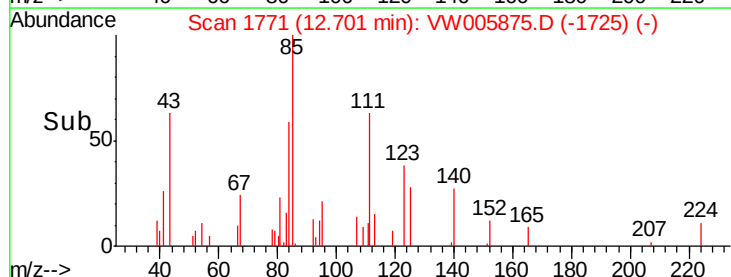
85 107.2 31.8 95.3#

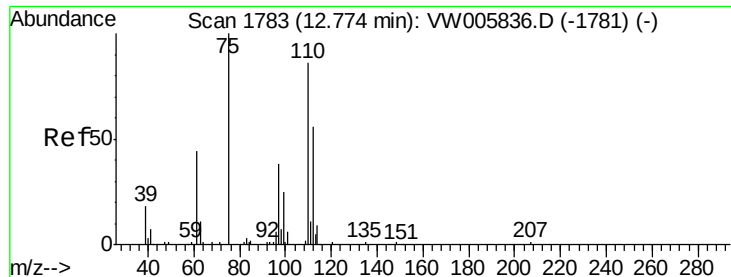


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 54.898 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005875.D

Acq: 05 Oct 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

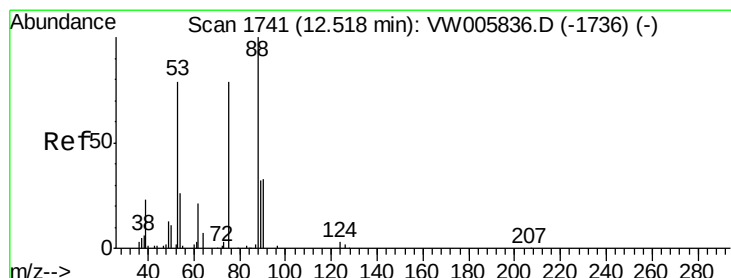
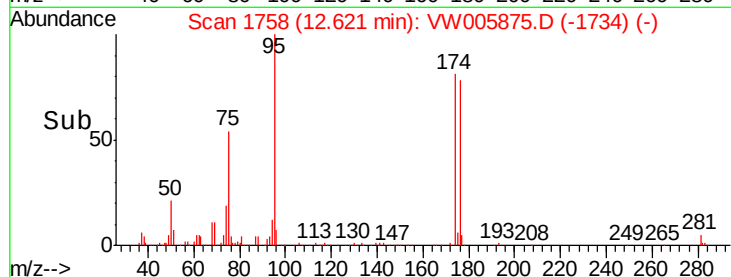
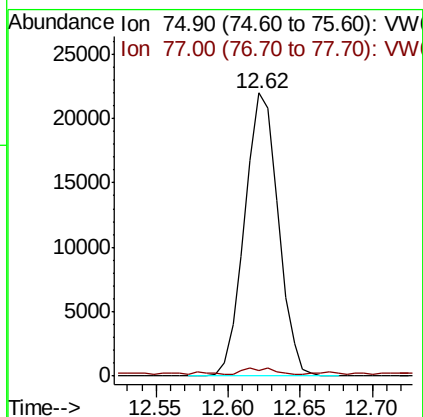
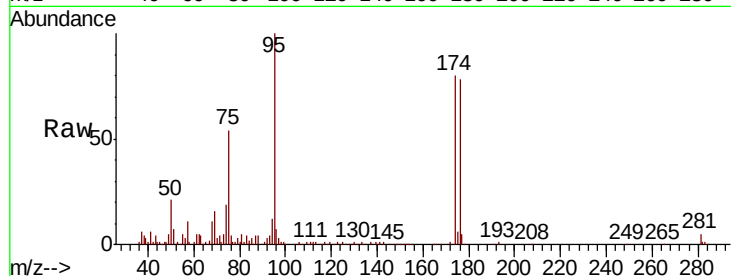
229-211-RBR250129RE

Tgt Ion: 75 Resp: 35518

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.771 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005875.D

Acq: 05 Oct 2018 03:06

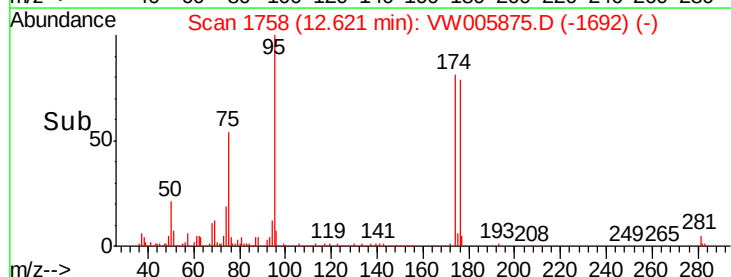
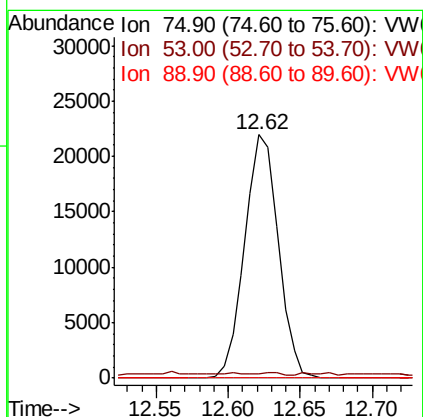
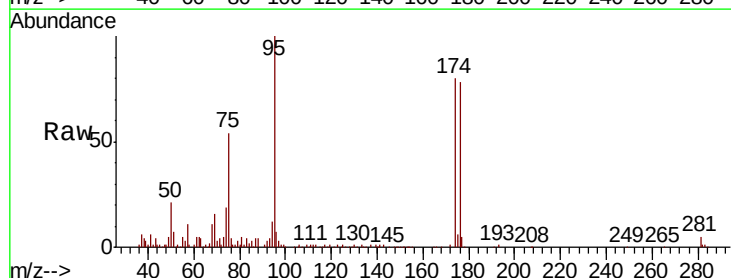
Tgt Ion: 75 Resp: 35518

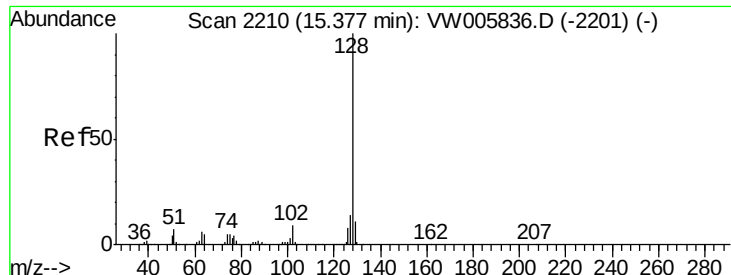
Ion Ratio Lower Upper

75 100

53 0.5 83.7 125.5#

89 0.0 37.5 56.3#

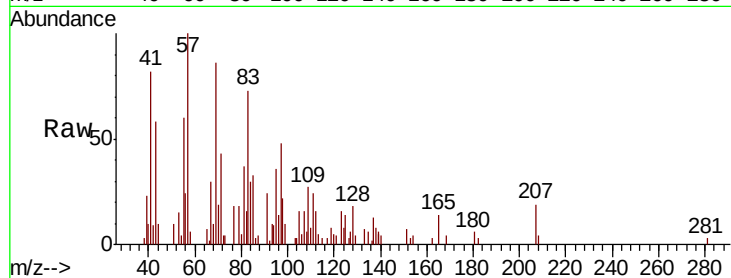




#95
Naphthalene
Concen: 2.435 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005875.D
Acq: 05 Oct 2018 03:06

Instrument :
MSVOA_W
ClientSampleId :
229-211-RBR250129RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.9	16.3#
129	6.0	8.9	13.3#



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

