

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003934.D
 Acq On : 13 Jul 2018 23:38
 Operator : VA/AP
 Sample : J3820-03
 Misc : 6.49G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 14 01:04:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	195668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	346347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	126107	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129509	50.61	ug/l	0.00
Spiked Amount						
			Recovery	=	101.22%	
35) Dibromofluoromethane	7.88	113	109827	45.31	ug/l	0.00
Spiked Amount						
			Recovery	=	90.62%	
50) Toluene-d8	10.33	98	409729	44.19	ug/l	0.00
Spiked Amount						
			Recovery	=	88.38%	
62) 4-Bromofluorobenzene	12.62	95	141085	42.05	ug/l	0.00
Spiked Amount						
			Recovery	=	84.10%	

Target Compounds

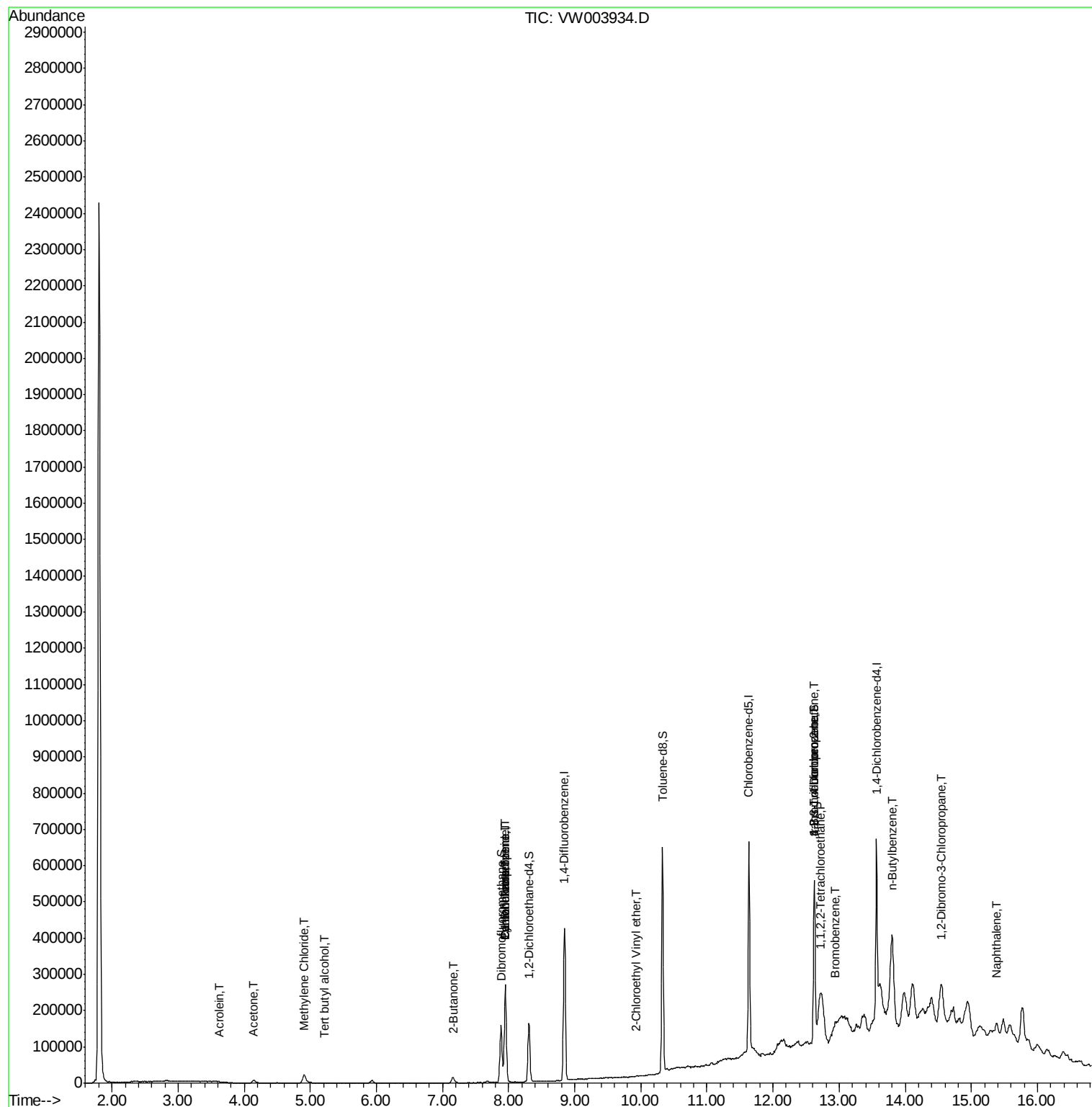
						Qvalue
11) Tert butyl alcohol	5.21	59	203	1.464	ug/l #	70
13) Acrolein	3.62	56	102	5.176	ug/l #	78
16) Acetone	4.14	43	15296	34.455	ug/l	97
20) Methylene Chloride	4.90	84	18002	4.315	ug/l	95
25) 2-Butanone	7.16	43	747	1.074	ug/l #	86
31) Cyclohexane	7.95	56	4885	1.308	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	16265	4.426	ug/l #	50
38) Carbon Tetrachloride	7.95	117	20007	5.726	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.93	63	82	13.228	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.71	83	25146	14.524	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	73539	59.385	ug/l #	100
77) Bromobenzene	12.93	156	42127	19.869	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	73539	145.269	ug/l #	8
89) n-Butylbenzene	13.80	91	10751	1.377	ug/l #	50
92) 1,2-Dibromo-3-Chloropropan	14.54	75	611	2.039	ug/l #	4
95) Naphthalene	15.38	128	10759	2.300	ug/l #	91

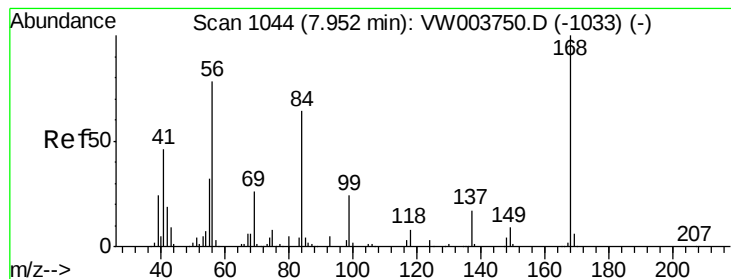
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003934.D

Acq: 13 Jul 2018 23:38

Instrument :

MSVOA_W

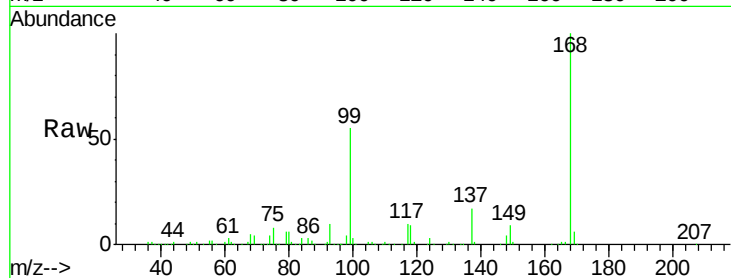
ClientSampleId :

Tot Ion:168 Resp: 195668

Ion Ratio Lower Upper

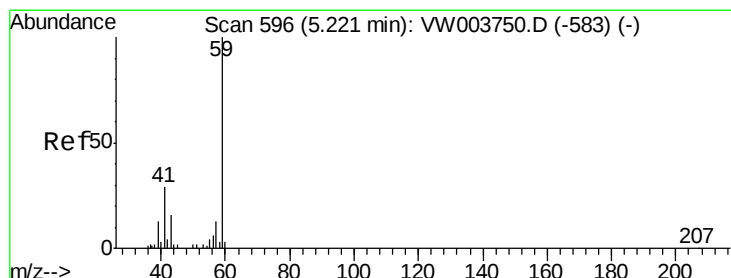
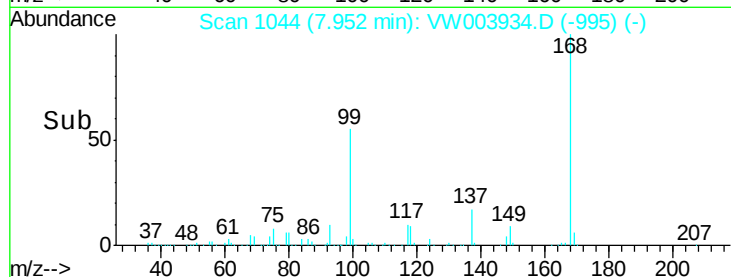
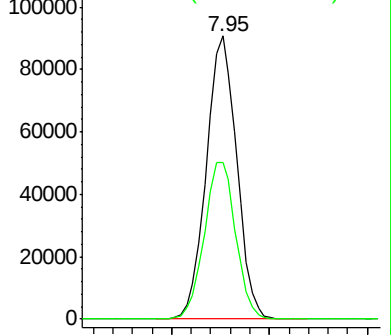
168 100

99 55.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.464 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.01 min

Lab File: VW003934.D

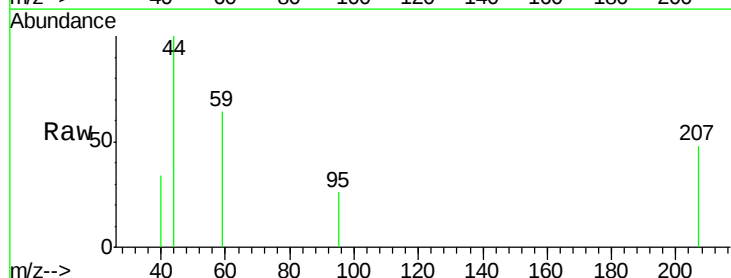
Acq: 13 Jul 2018 23:38

Tgt Ion: 59 Resp: 203

Ion Ratio Lower Upper

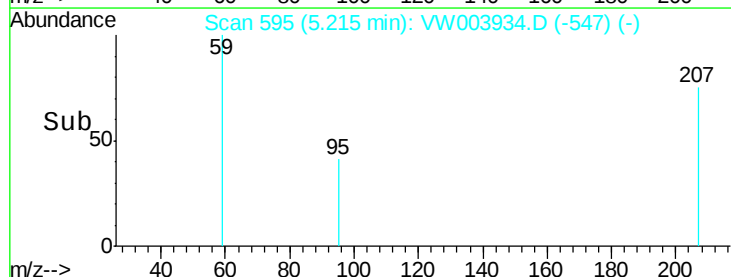
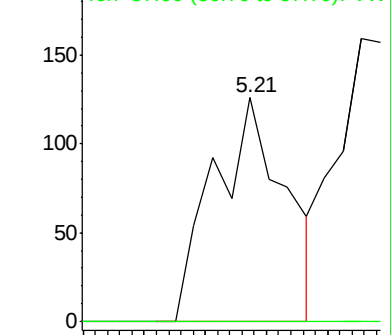
59 100

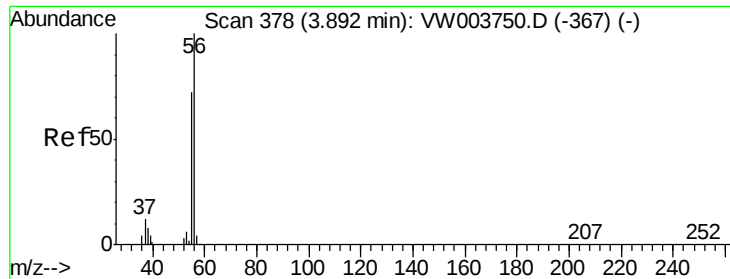
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 5.176 ug/l

RT: 3.62 min Scan# 333

Delta R.T. -0.27 min

Lab File: VW003934.D

Acq: 13 Jul 2018 23:38

Instrument :

MSVOA_W

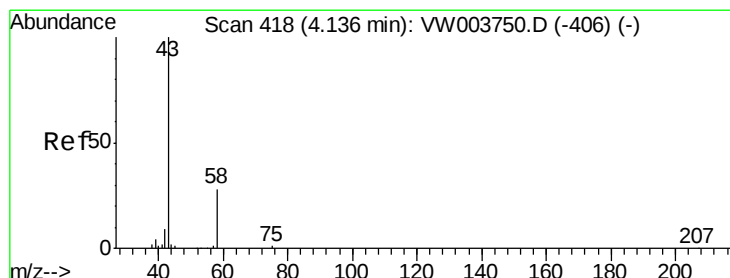
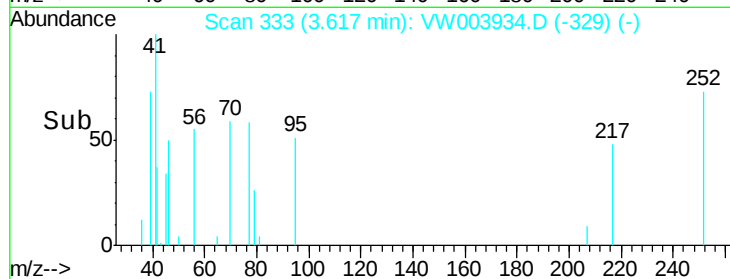
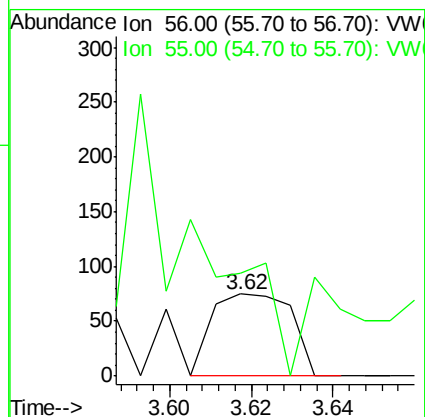
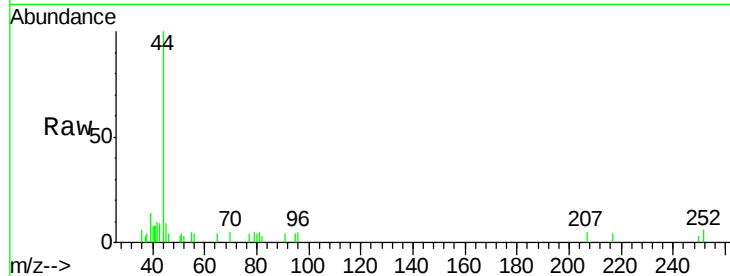
ClientSampleId :

Tot Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 90.2 57.5 86.3#



#16

Acetone

Concen: 34.455 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW003934.D

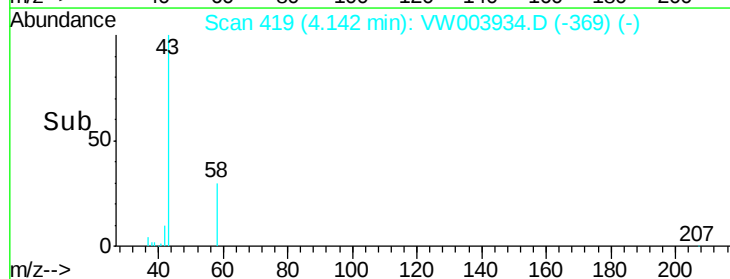
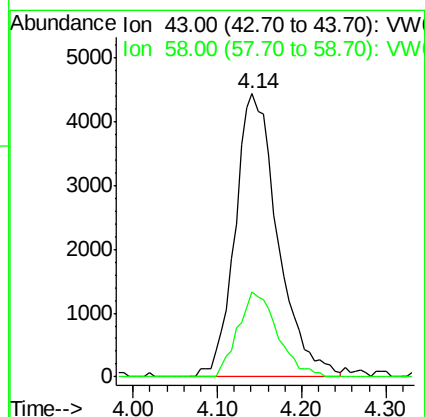
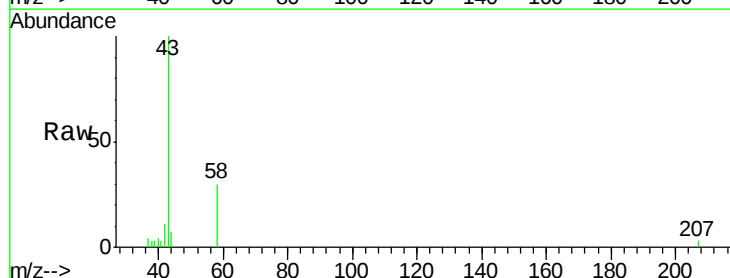
Acq: 13 Jul 2018 23:38

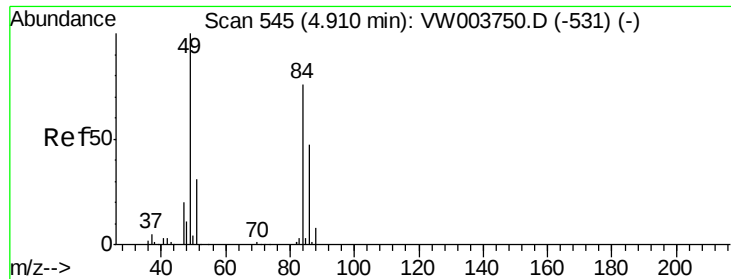
Tgt Ion: 43 Resp: 15296

Ion Ratio Lower Upper

43 100

58 29.9 22.6 34.0

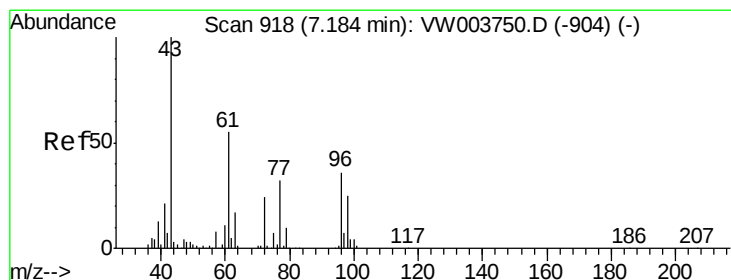
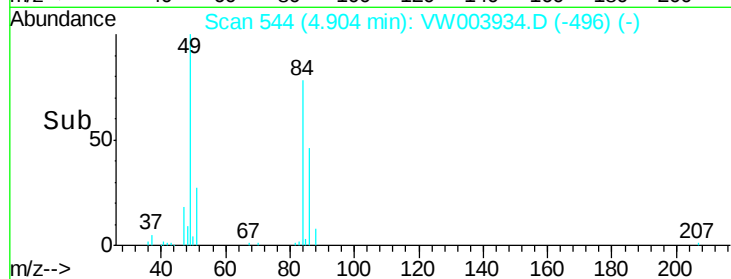
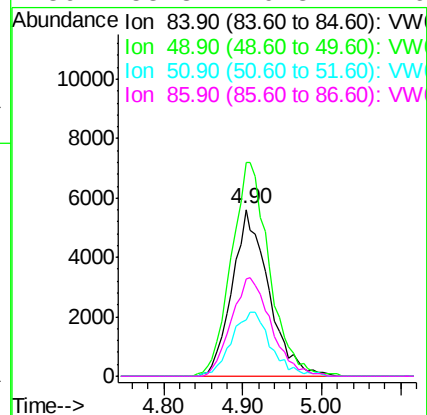
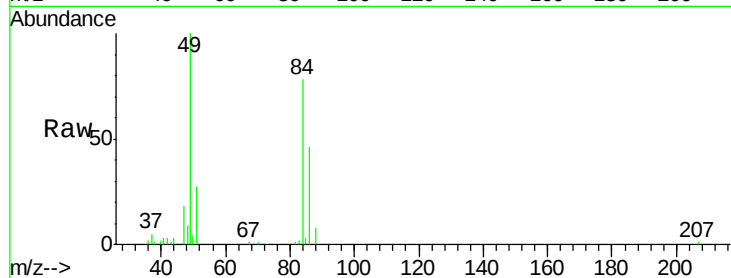




#20
Methvlene Chloride
Concen: 4.315 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003934.D
Acq: 13 Jul 2018 23:38

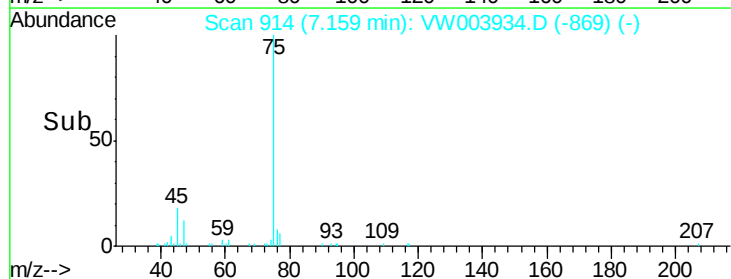
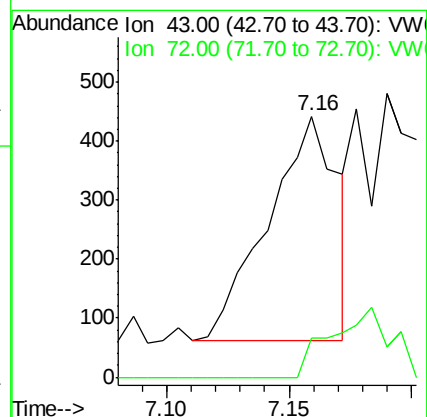
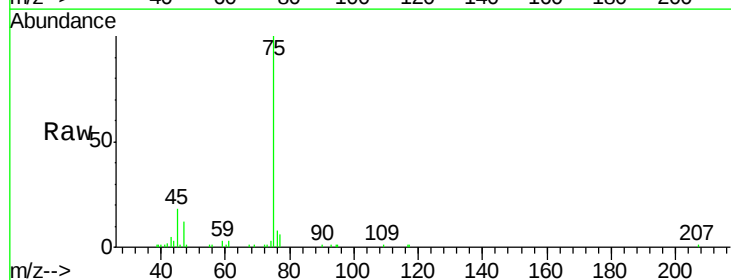
Instrument :
MSVOA_W
ClientSampled :

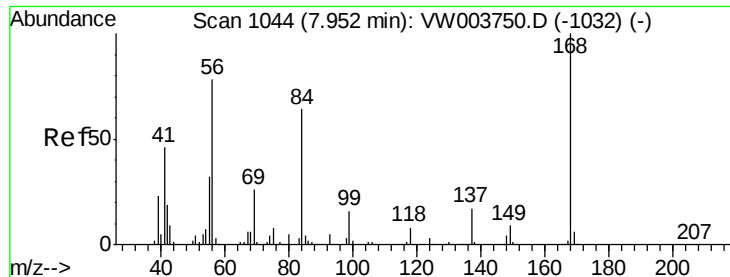
Tot Ion: 84 Resp: 18002
Ion Ratio Lower Upper
84 100
49 127.8 105.1 157.7
51 34.0 32.5 48.7
86 58.3 49.8 74.6



#25
2-Butanone
Concen: 1.074 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW003934.D
Acq: 13 Jul 2018 23:38

Tgt Ion: 43 Resp: 747
Ion Ratio Lower Upper
43 100
72 17.4 19.4 29.2#





#31

Cyclohexane

Concen: 1.308 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003934.D

Acq: 13 Jul 2018 23:38

Instrument :
MSVOA_W
ClientSampled :

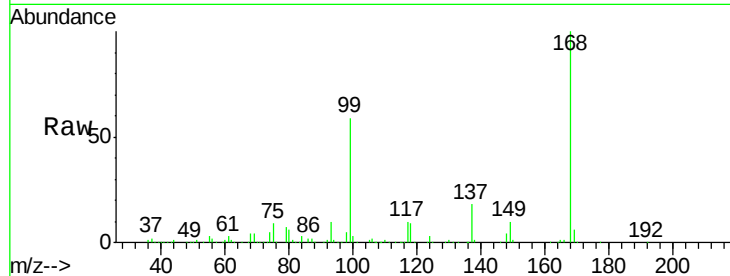
Tot Ion: 56 Resp: 4885

Ion Ratio Lower Upper

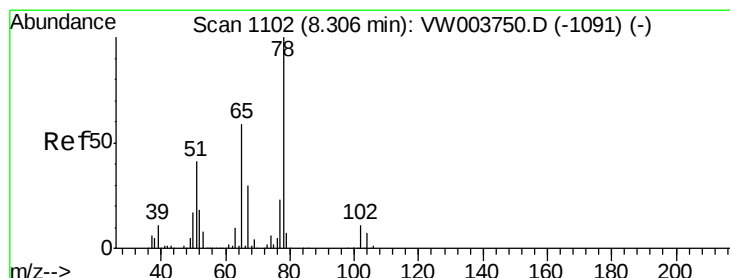
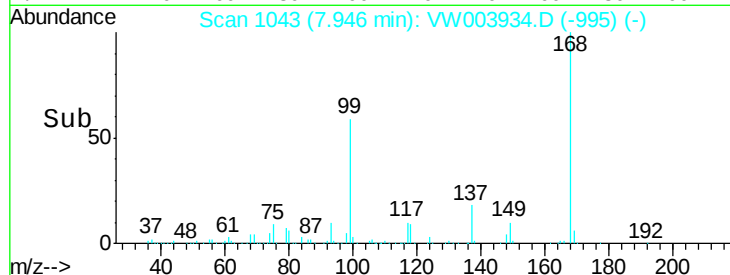
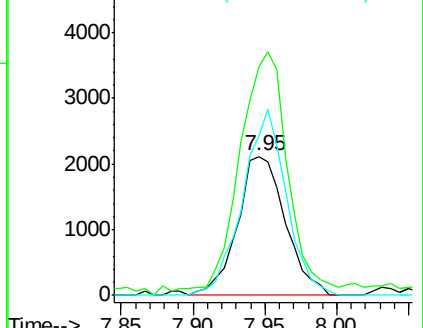
56 100

69 159.6 26.2 39.4#

84 114.0 65.5 98.3#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 50.613 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003934.D

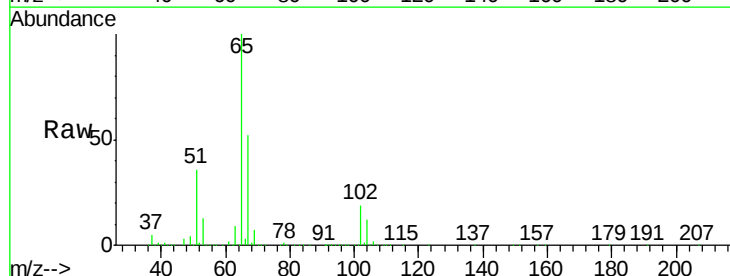
Acq: 13 Jul 2018 23:38

Tgt Ion: 65 Resp: 129509

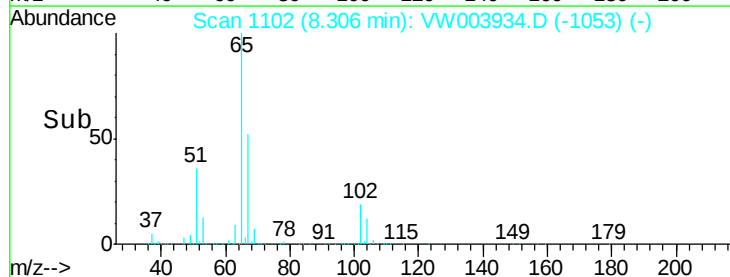
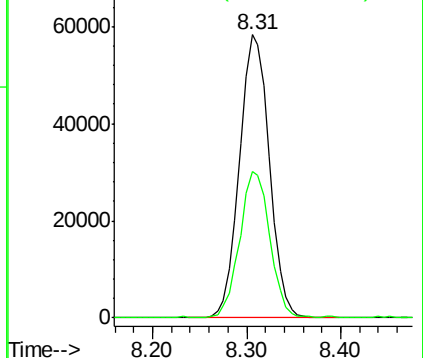
Ion Ratio Lower Upper

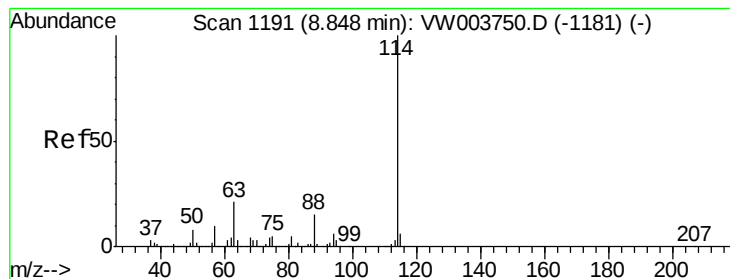
65 100

67 51.6 0.0 103.8



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# 1191

Delta R.T. -0.00 min

Lab File: VW003934.D

Acq: 13 Jul 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

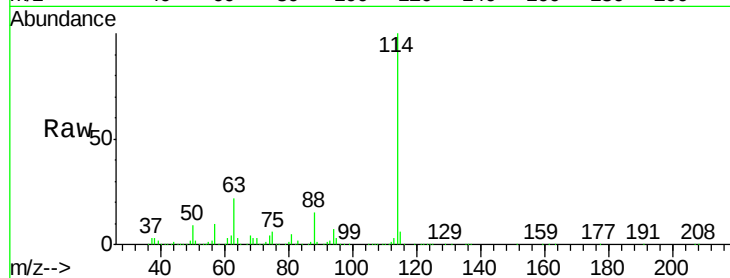
Tot Ion:114 Resp: 346347

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

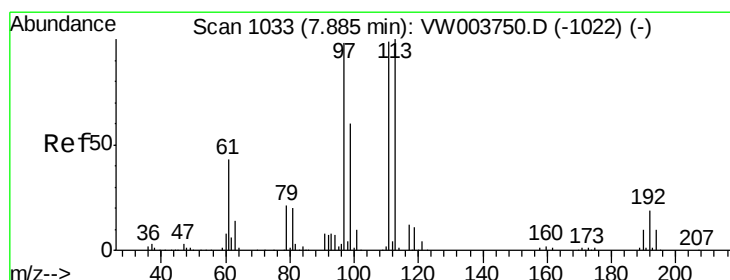
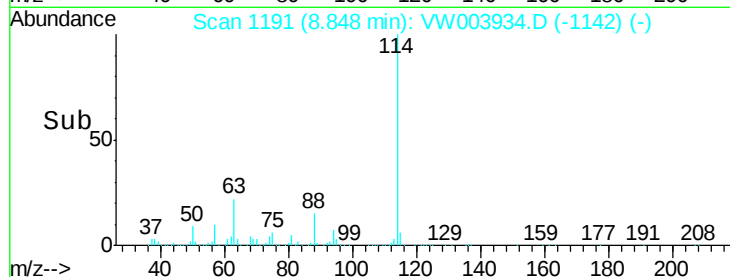
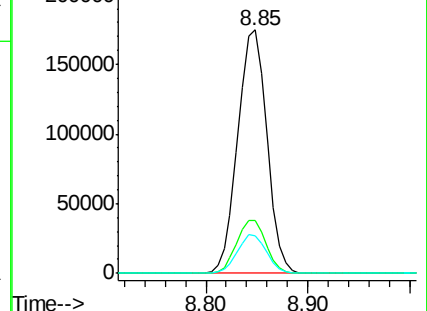
88 15.2 0.0 30.2



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: 45.308 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003934.D

Acq: 13 Jul 2018 23:38

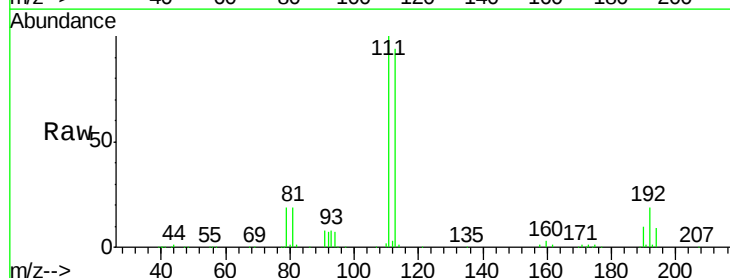
Tgt Ion:113 Resp: 109827

Ion Ratio Lower Upper

113 100

111 103.7 81.7 122.5

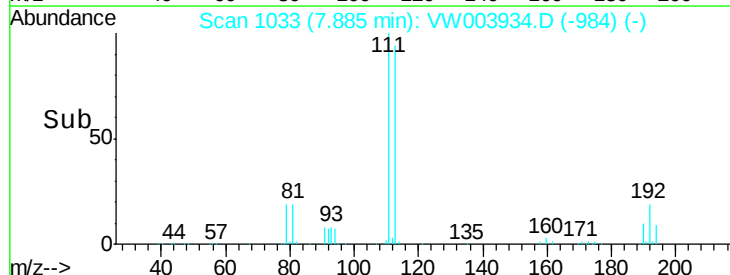
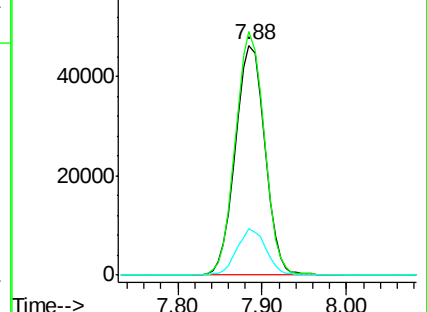
192 19.9 15.8 23.8

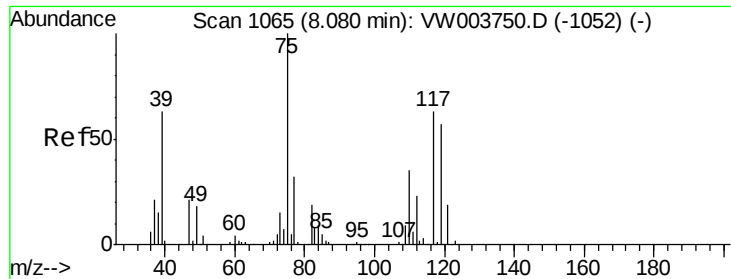


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.426 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW003934.D

Acq: 13 Jul 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

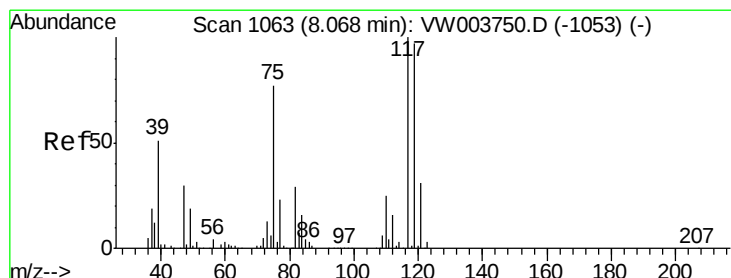
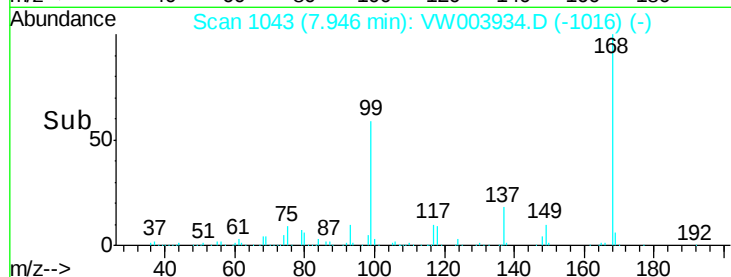
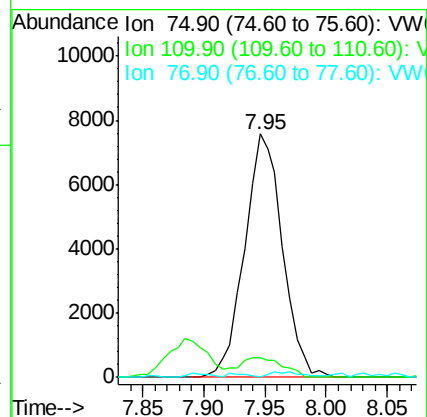
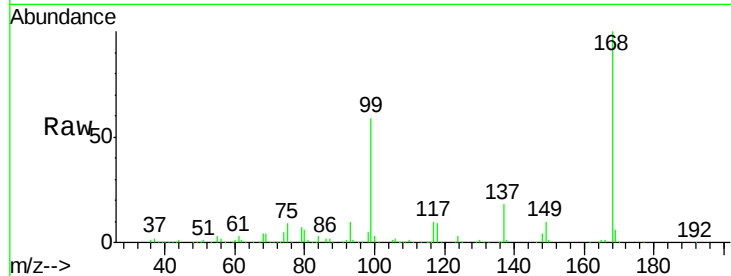
Tot Ion: 75 Resp: 16265

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.6#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.726 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003934.D

Acq: 13 Jul 2018 23:38

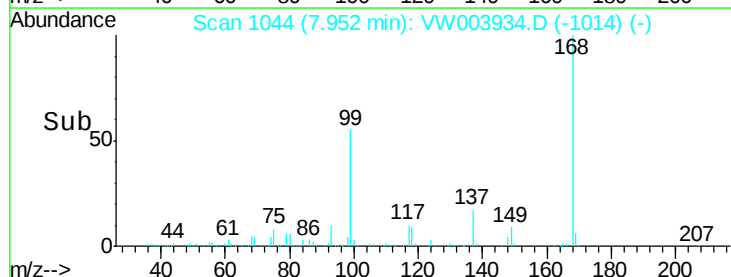
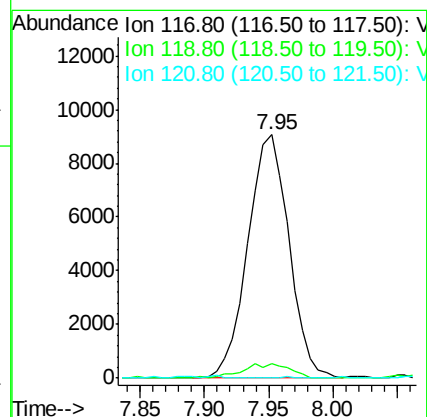
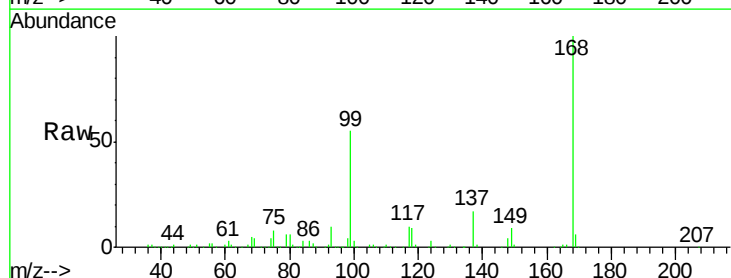
Tgt Ion: 117 Resp: 20007

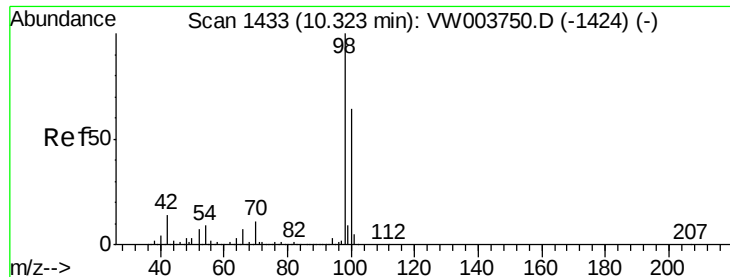
Ion Ratio Lower Upper

117 100

119 5.8 77.4 116.2#

121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 44.188 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003934.D

Acq: 13 Jul 2018 23:38

Instrument :

MSVOA_W

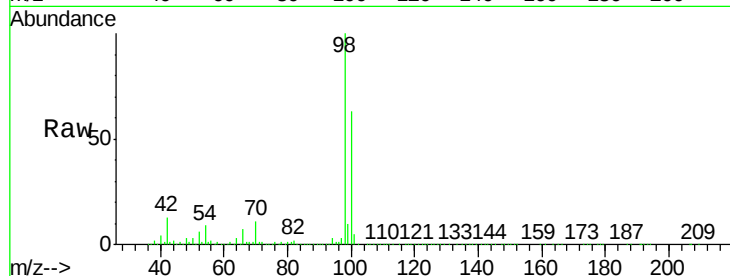
ClientSampled :

Tot Ion: 98 Resp: 409729

Ion Ratio Lower Upper

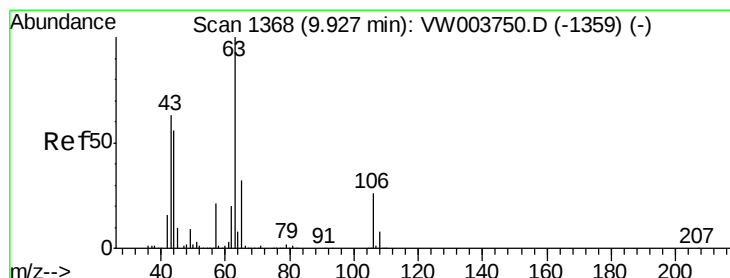
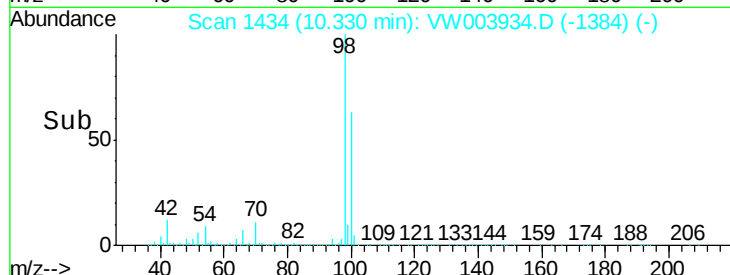
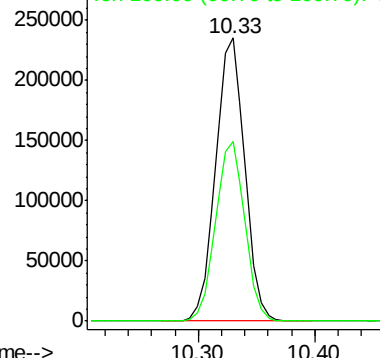
98 100

100 63.7 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#58

2-Chloroethyl Vinyl ether

Concen: 13.228 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW003934.D

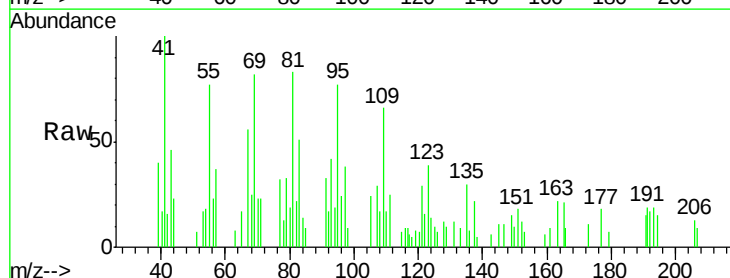
Acq: 13 Jul 2018 23:38

Tgt Ion: 63 Resp: 82

Ion Ratio Lower Upper

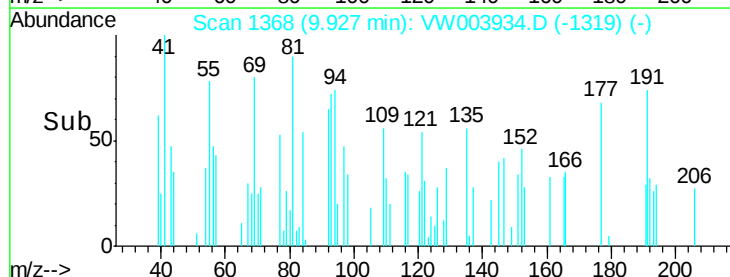
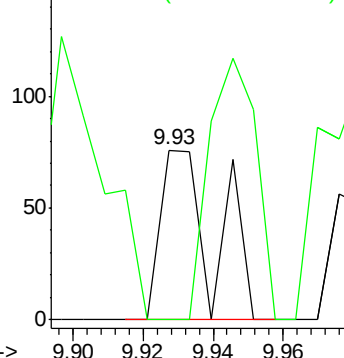
63 100

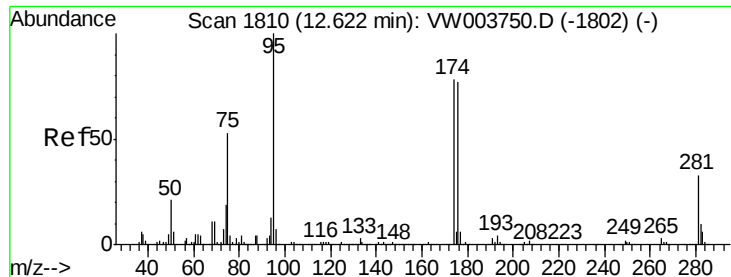
106 134.1 20.9 31.3#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): VW

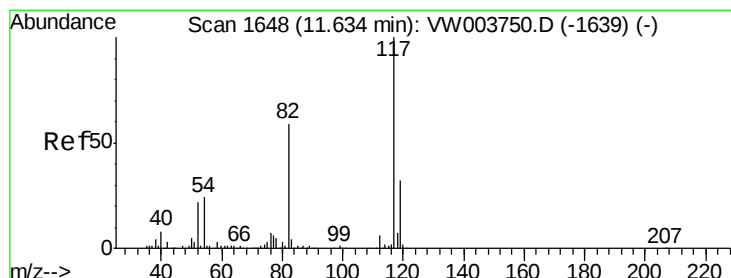
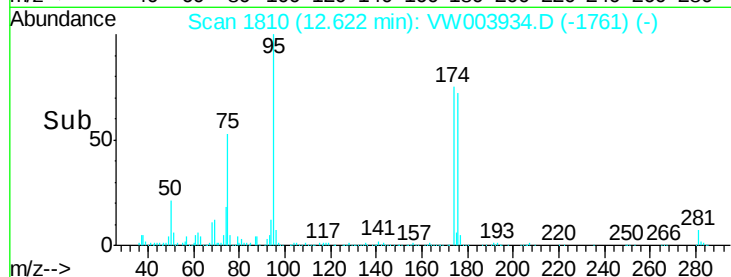
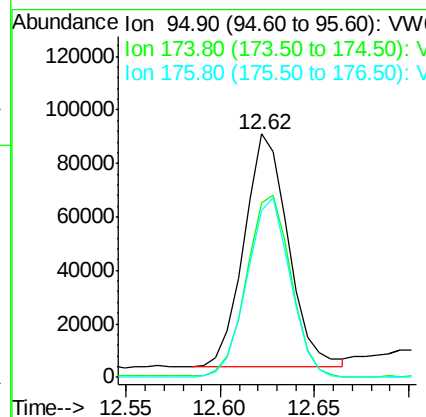
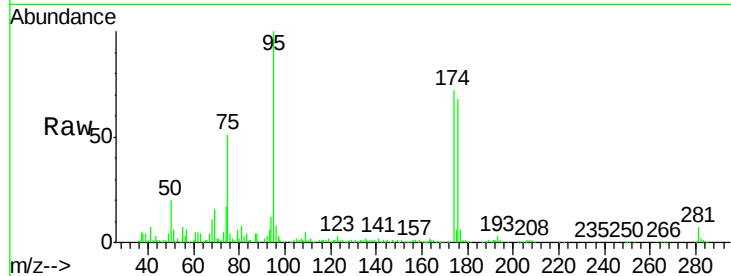




#62
4-Bromofluorobenzene
Concen: 42.053 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003934.D
Acq: 13 Jul 2018 23:38

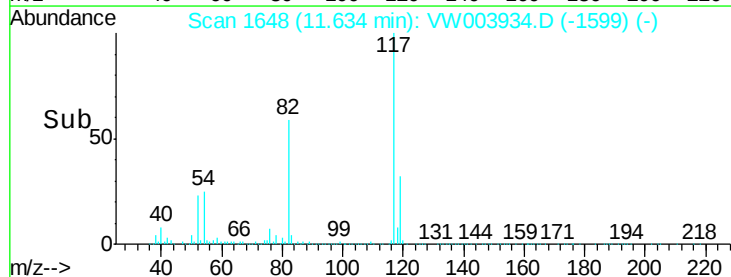
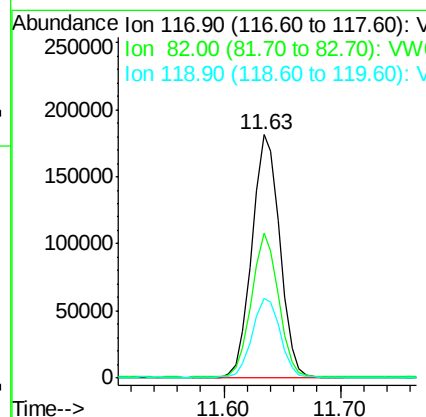
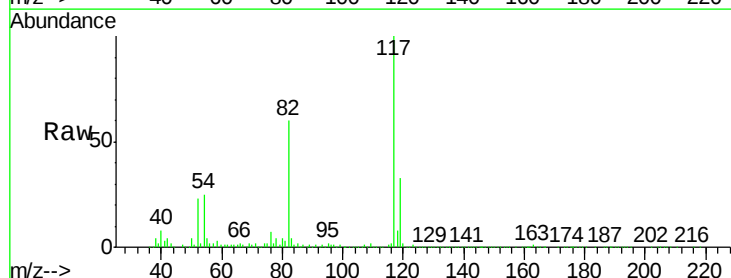
Instrument :
MSVOA_W
ClientSampleId :

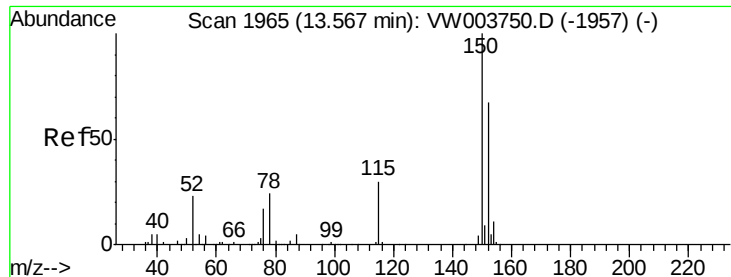
Tot Ion: 95 Resp: 141085
Ion Ratio Lower Upper
95 100
174 77.9 0.0 163.4
176 75.4 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003934.D
Acq: 13 Jul 2018 23:38

Tgt Ion: 117 Resp: 301839
Ion Ratio Lower Upper
117 100
82 59.4 46.9 70.3
119 32.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003934.D

Acq: 13 Jul 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

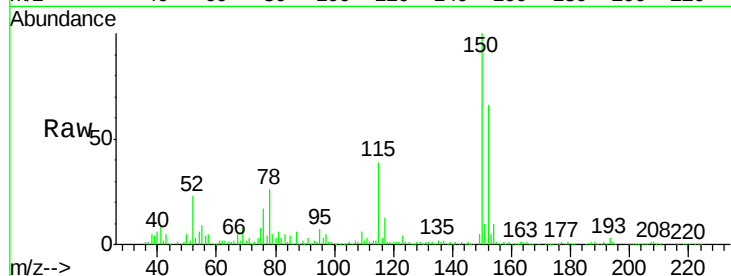
Tot Ion:152 Resp: 126107

Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.8

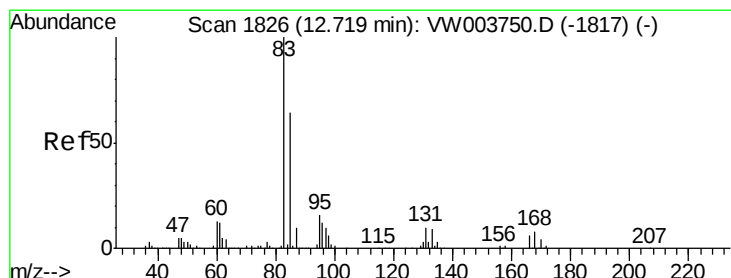
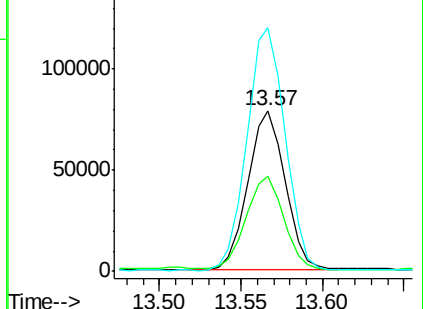
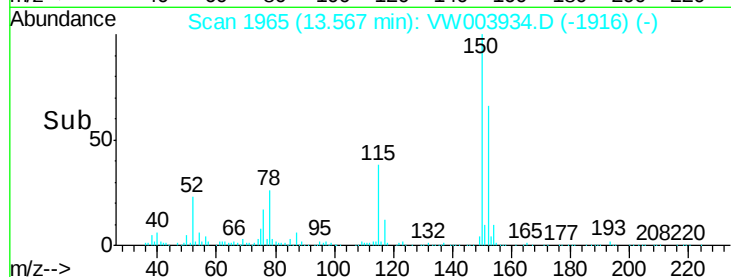
150 154.8 0.0 342.4



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: 14.524 ug/l

RT: 12.71 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VW003934.D

Acq: 13 Jul 2018 23:38

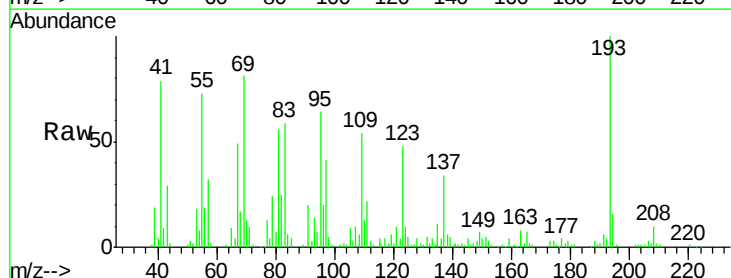
Tgt Ion: 83 Resp: 25146

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

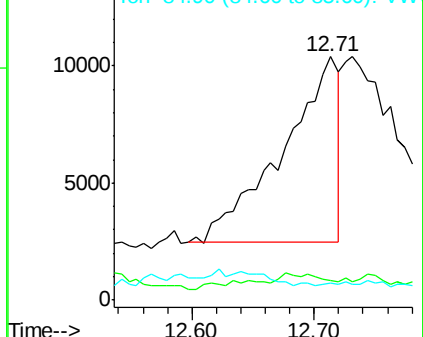
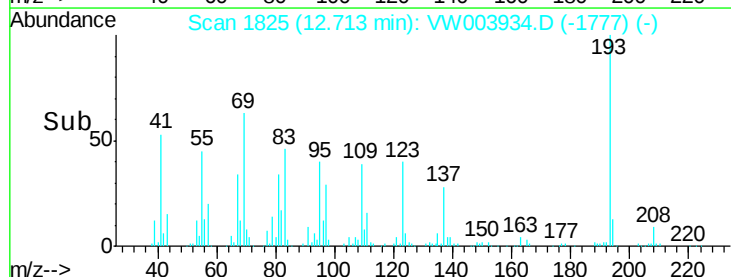
85 0.8 32.1 96.3#

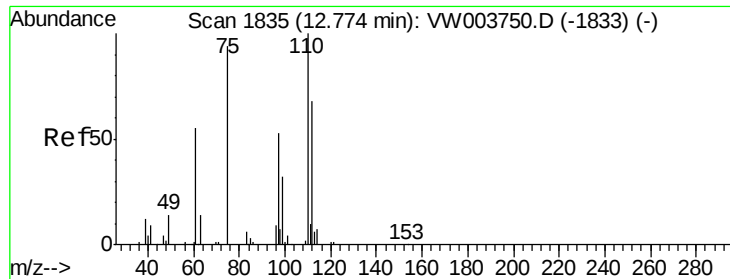


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

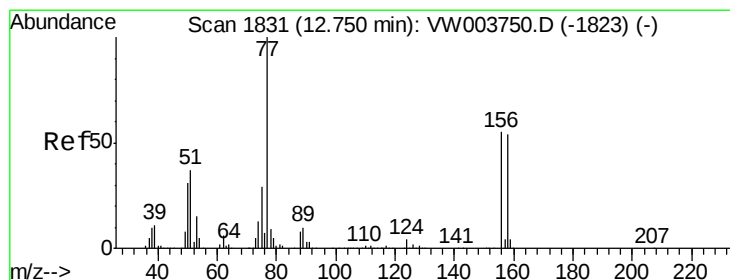
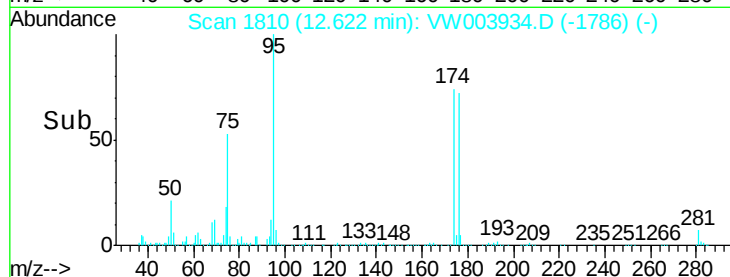
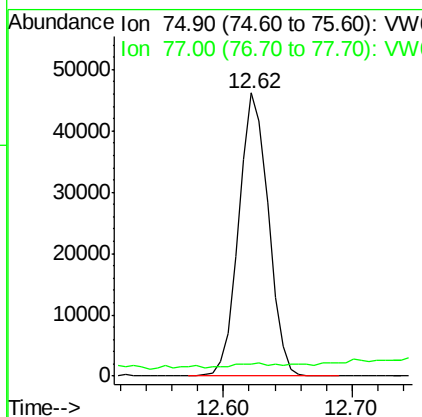
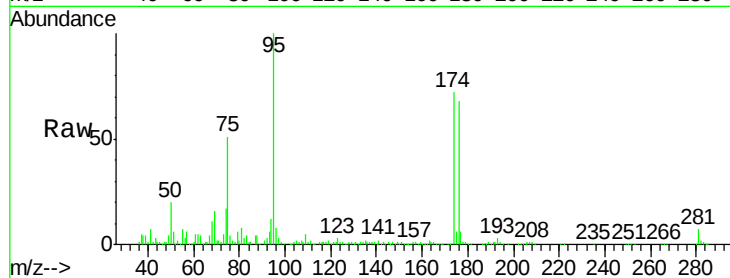




#76
 1,2,3-Trichloropropane
 Concen: 59.385 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003934.D
 Acq: 13 Jul 2018 23:38

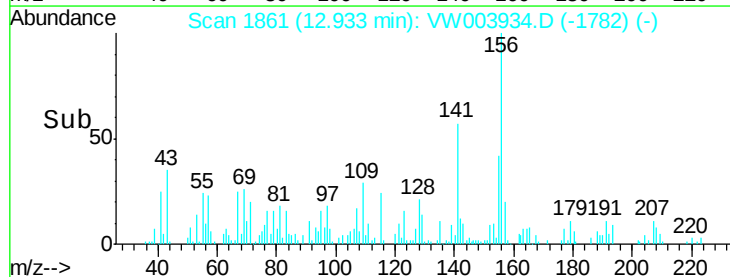
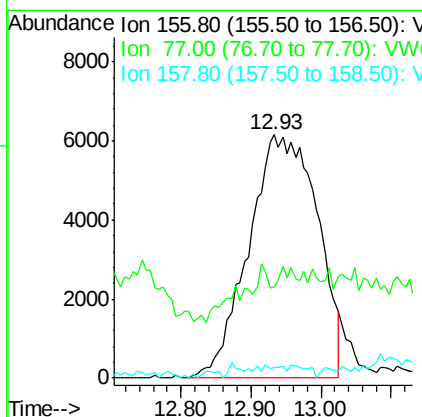
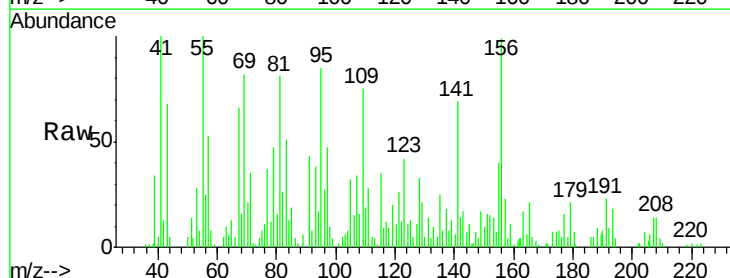
Instrument :
 MSVOA_W
 ClientSampled :

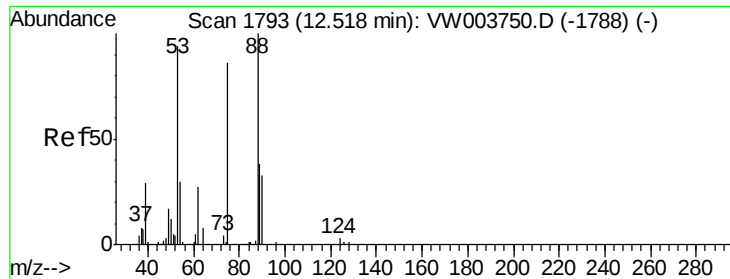
Tot Ion: 75 Resp: 73539
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



#77
 Bromobenzene
 Concen: 19.869 ug/l
 RT: 12.93 min Scan# 1861
 Delta R.T. 0.18 min
 Lab File: VW003934.D
 Acq: 13 Jul 2018 23:38

Tgt Ion: 156 Resp: 42127
 Ion Ratio Lower Upper
 156 100
 77 0.0 98.7 296.0#
 158 0.0 49.0 147.0#

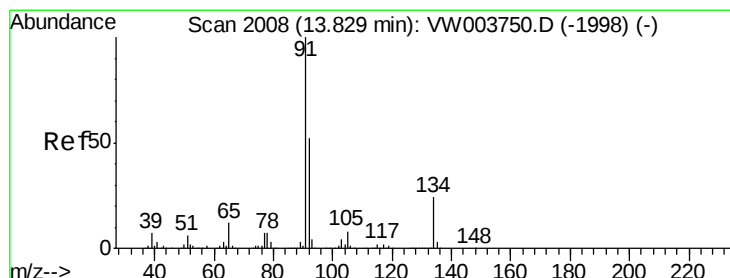
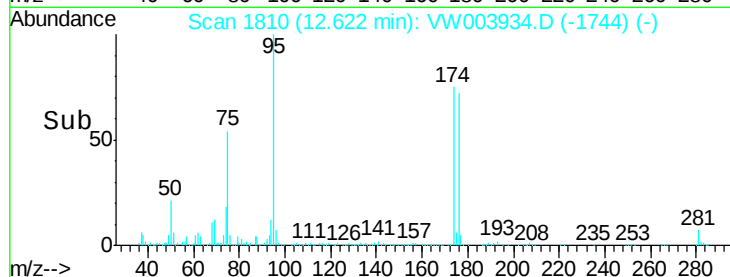
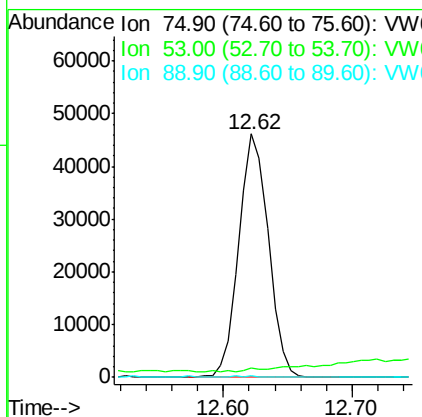
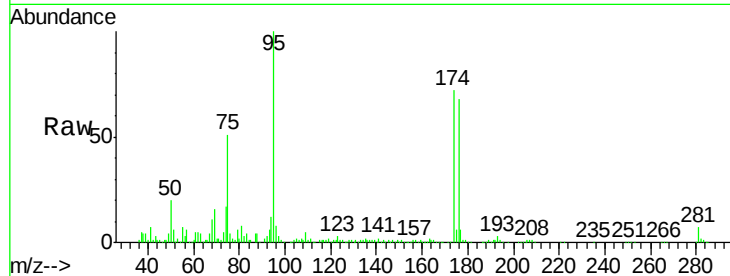




#81
trans-1,4-Dichloro-2-butene
Concen: 145.269 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW003934.D
Acq: 13 Jul 2018 23:38

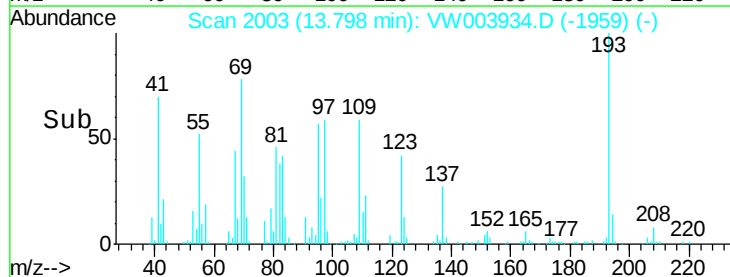
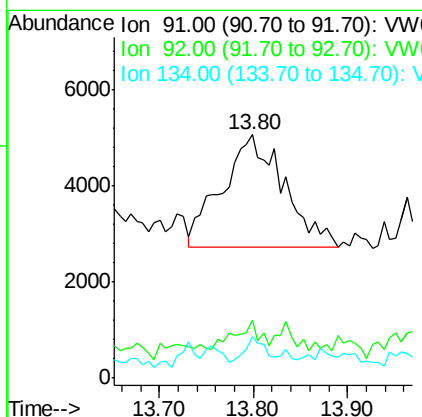
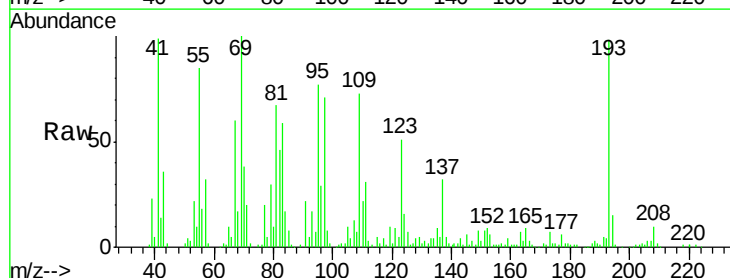
Instrument :
MSVOA_W
ClientSampleId :

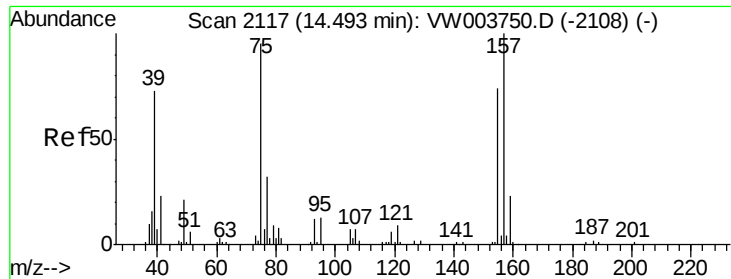
Tot Ion: 75 Resp: 73539
Ion Ratio Lower Upper
75 100
53 0.9 85.0 127.6#
89 0.6 36.3 54.5#



#89
n-Butylbenzene
Concen: 1.377 ug/l
RT: 13.80 min Scan# 2003
Delta R.T. -0.03 min
Lab File: VW003934.D
Acq: 13 Jul 2018 23:38

Tgt Ion: 91 Resp: 10751
Ion Ratio Lower Upper
91 100
92 12.1 26.1 78.3#
134 6.5 12.4 37.4#

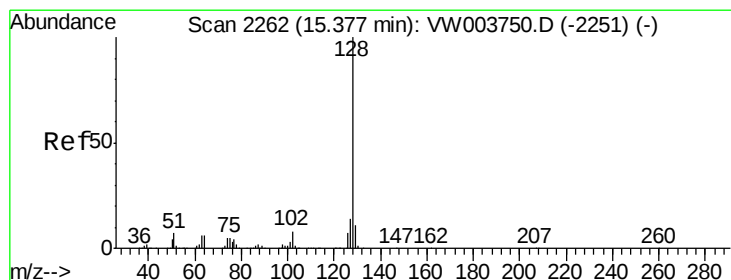
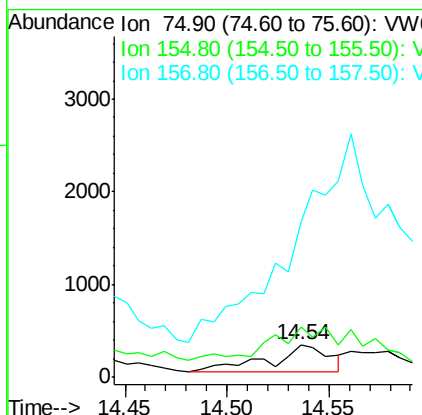
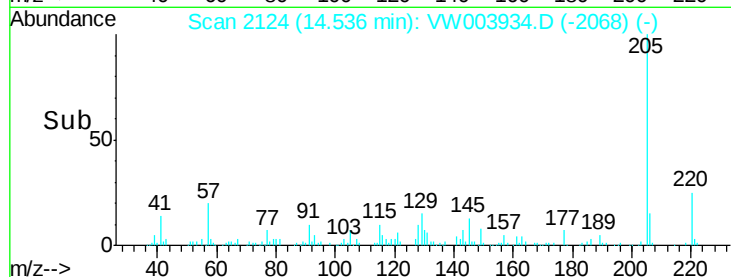
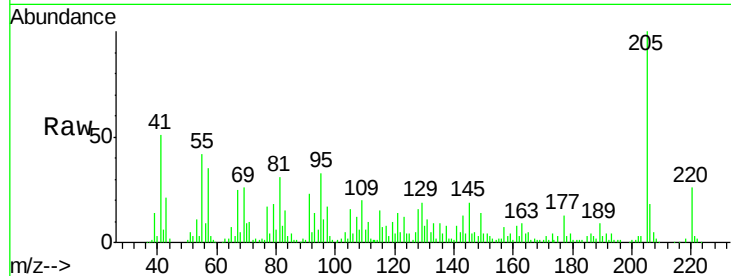




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.039 ug/l
 RT: 14.54 min Scan# 2124
 Delta R.T. 0.04 min
 Lab File: VW003934.D
 Acq: 13 Jul 2018 23:38

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 611
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.2 117.6#
 157 0.0 50.7 152.1#



#95
 Naphthalene
 Concen: 2.300 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VW003934.D
 Acq: 13 Jul 2018 23:38

Tgt Ion: 128 Resp: 10759
 Ion Ratio Lower Upper
 128 100
 127 12.2 10.8 16.2
 129 16.8 8.6 13.0#

