

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071118\
 Data File : VW003891.D
 Acq On : 12 Jul 2018 03:27
 Operator : SY/AP
 Sample : J3926-01
 Misc : 3.69G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 04:16:17 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	123775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	251389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	229935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	101236	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	111396	68.82	ug/l	0.00
Spiked Amount			Recovery	=	137.64%	
35) Dibromofluoromethane	7.88	113	92304	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
50) Toluene-d8	10.33	98	312204	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
62) 4-Bromofluorobenzene	12.62	95	102265	42.00	ug/l	0.00
Spiked Amount			Recovery	=	84.00%	

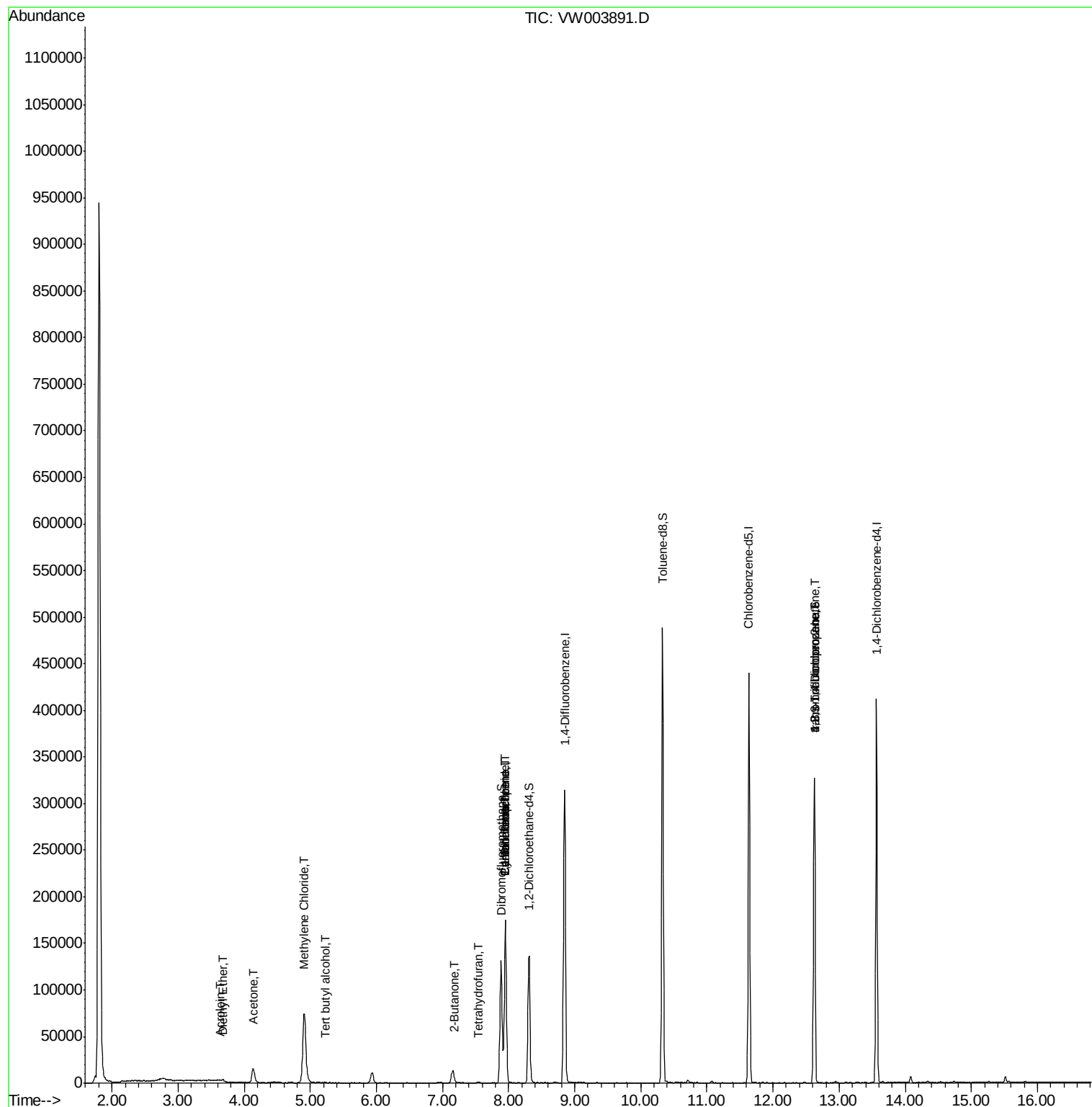
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1408	2.256	ug/l	73
11) Tert butyl alcohol	5.23	59	721	8.219	ug/l #	70
13) Acrolein	3.64	56	18	4.864	ug/l #	1
16) Acetone	4.14	43	28227	100.514	ug/l	99
20) Methylene Chloride	4.90	84	59537	42.878	ug/l	97
25) 2-Butanone	7.18	43	743	1.689	ug/l #	51
29) Tetrahydrofuran	7.54	42	304	1.075	ug/l #	48
31) Cyclohexane	7.95	56	3354	1.420	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	10555	3.957	ug/l #	49
38) Carbon Tetrachloride	7.95	117	12683	5.001	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	54954	55.279	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54954	135.226	ug/l #	8

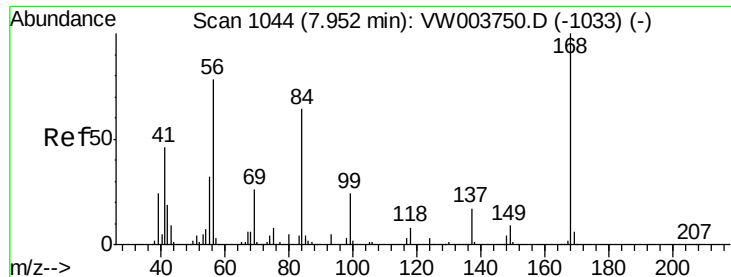
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003891.D

Acq: 12 Jul 2018 03:27

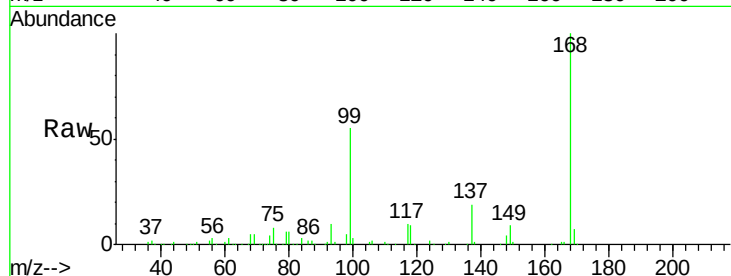
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 123775

Ion Ratio Lower Upper

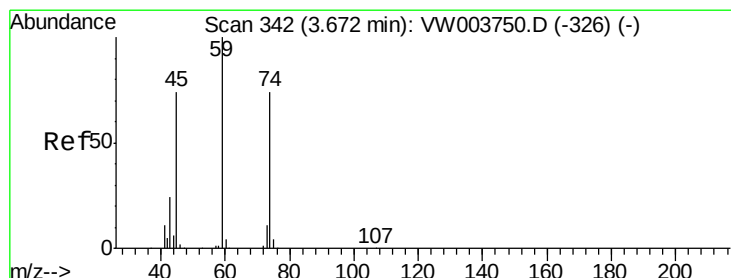
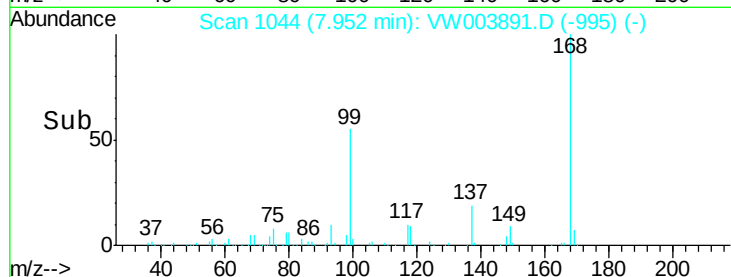
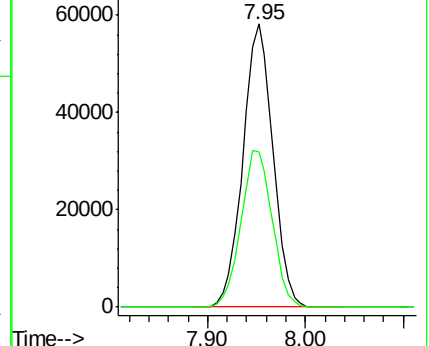
168 100

99 54.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.256 ug/l

RT: 3.68 min Scan# 344

Delta R.T. 0.01 min

Lab File: VW003891.D

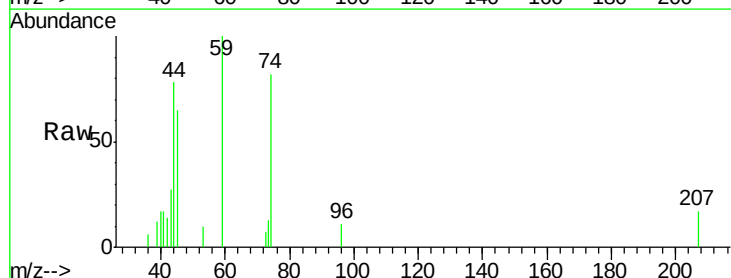
Acq: 12 Jul 2018 03:27

Tgt Ion: 74 Resp: 1408

Ion Ratio Lower Upper

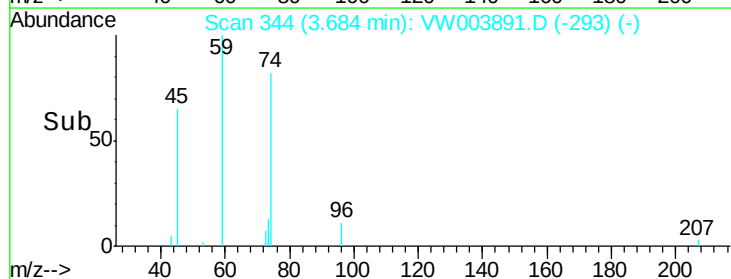
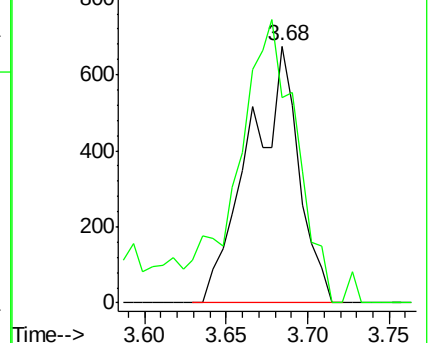
74 100

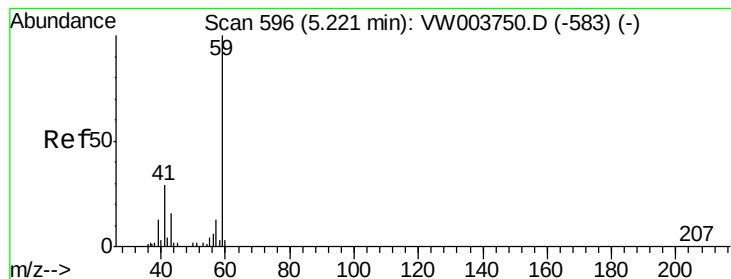
45 132.0 52.4 157.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 8.219 ug/l

RT: 5.23 min Scan# 597

Delta R.T. 0.01 min

Lab File: VW003891.D

Acq: 12 Jul 2018 03:27

Instrument :

MSVOA_W

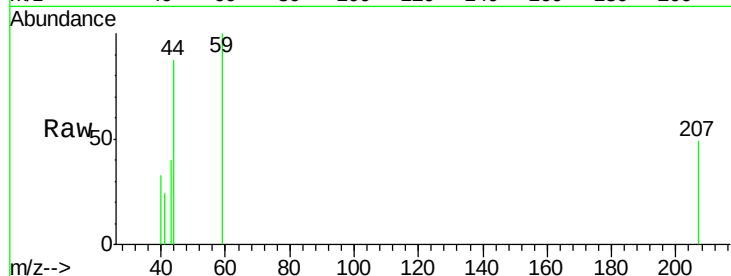
ClientSampled :

Tot Ion: 59 Resp: 721

Ion Ratio Lower Upper

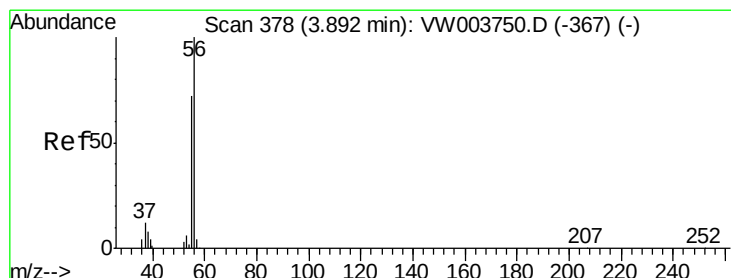
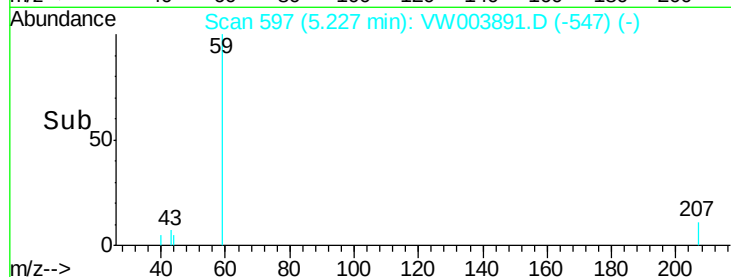
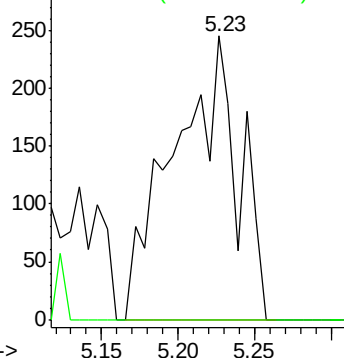
59 100

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: 4.864 ug/l

RT: 3.64 min Scan# 337

Delta R.T. -0.25 min

Lab File: VW003891.D

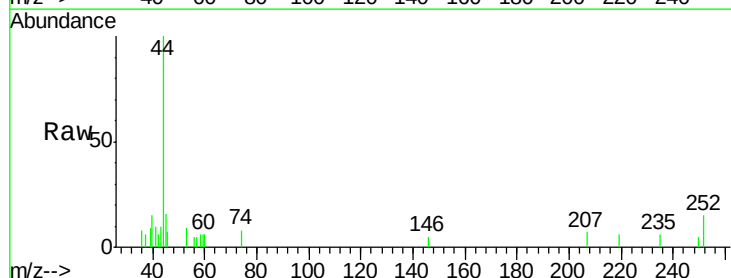
Acq: 12 Jul 2018 03:27

Tgt Ion: 56 Resp: 18

Ion Ratio Lower Upper

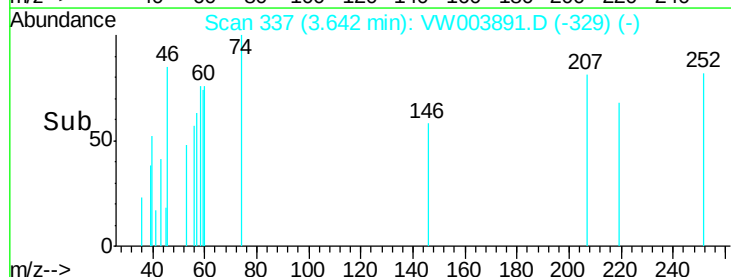
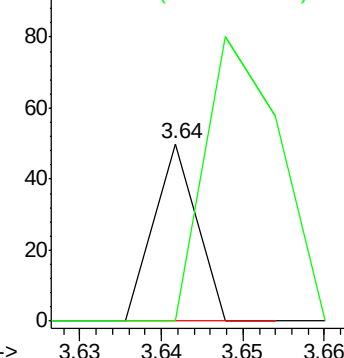
56 100

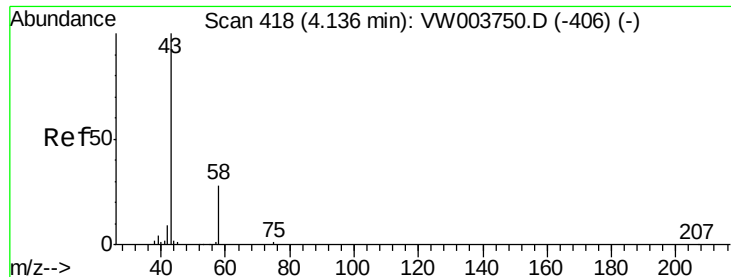
55 277.8 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 100.514 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW003891.D

Acq: 12 Jul 2018 03:27

Instrument :

MSVOA_W

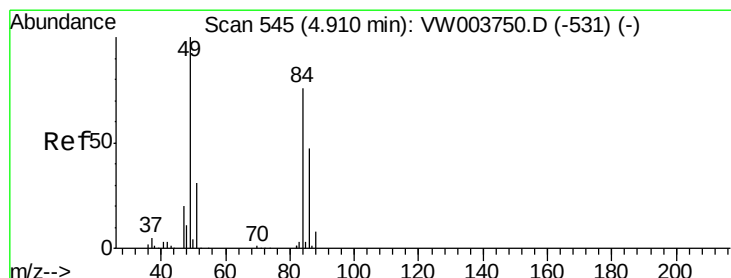
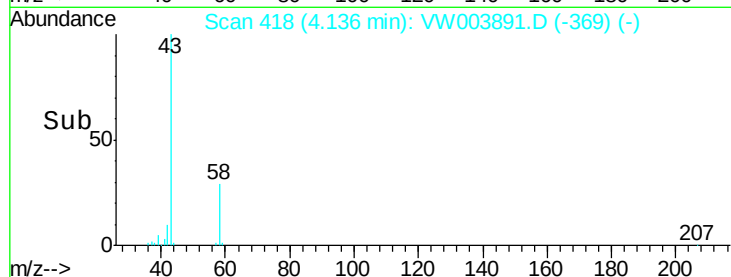
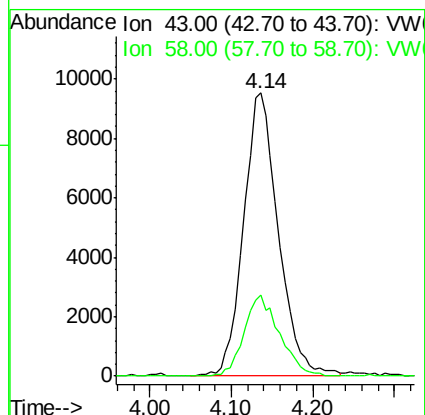
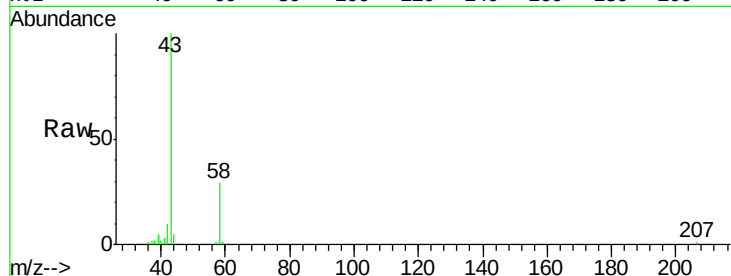
ClientSampled :

Tot Ion: 43 Resp: 28227

Ion Ratio Lower Upper

43 100

58 28.9 22.6 34.0



#20

Methylene Chloride

Concen: 42.878 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW003891.D

Acq: 12 Jul 2018 03:27

Tgt Ion: 84 Resp: 59537

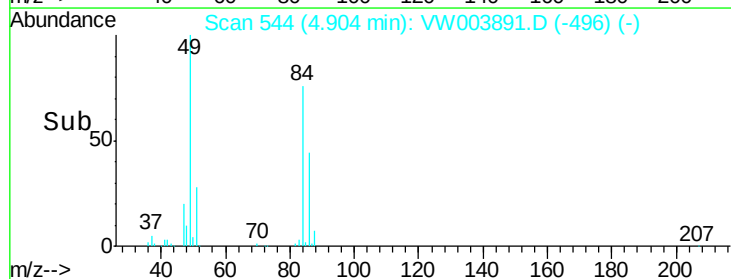
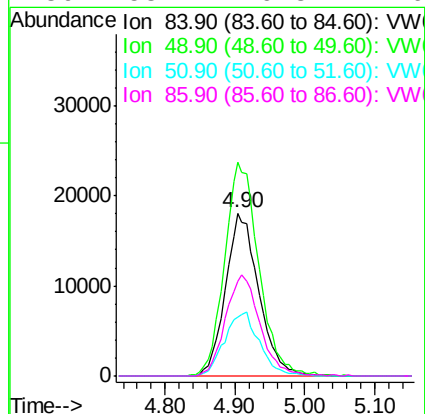
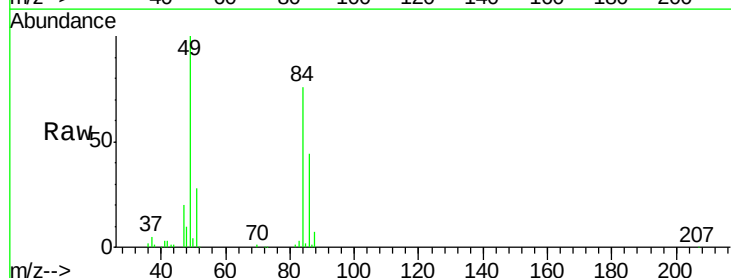
Ion Ratio Lower Upper

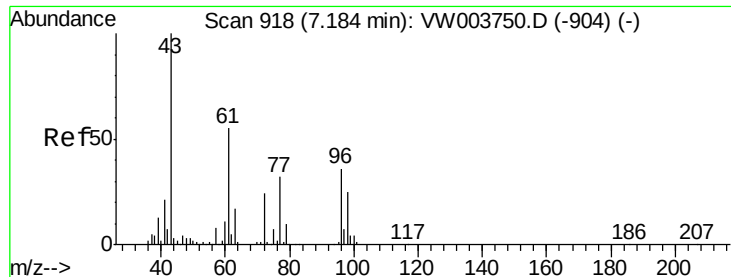
84 100

49 130.8 105.1 157.7

51 36.6 32.5 48.7

86 58.1 49.8 74.6





#25

2-Butanone

Concen: 1.689 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003891.D

Acq: 12 Jul 2018 03:27

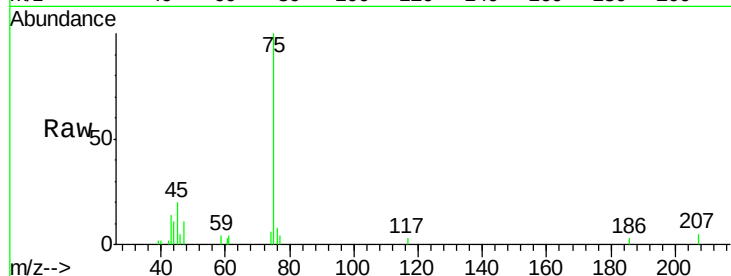
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 743

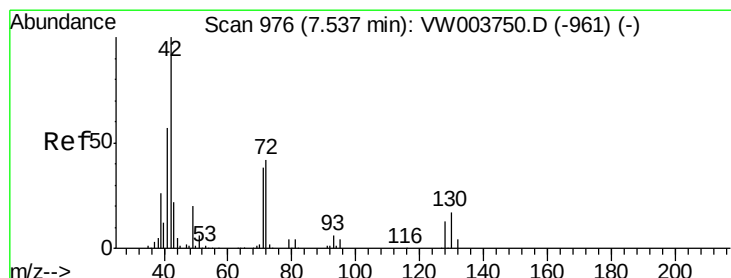
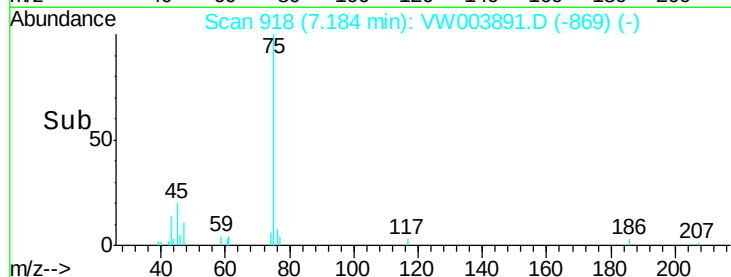
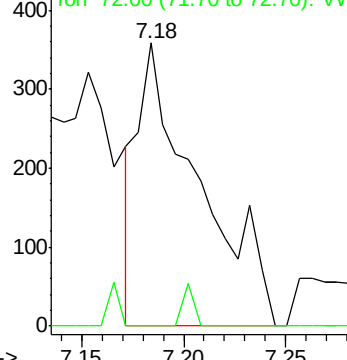
Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



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



#29

Tetrahydrofuran

Concen: 1.075 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003891.D

Acq: 12 Jul 2018 03:27

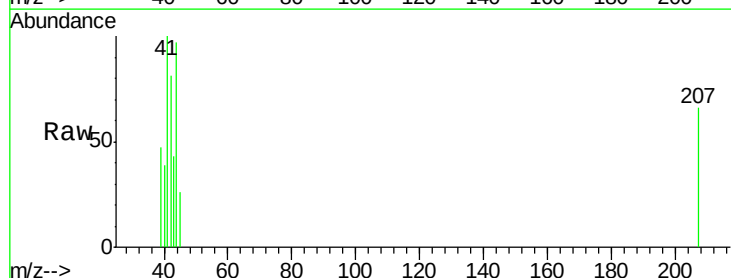
Tgt Ion: 42 Resp: 304

Ion Ratio Lower Upper

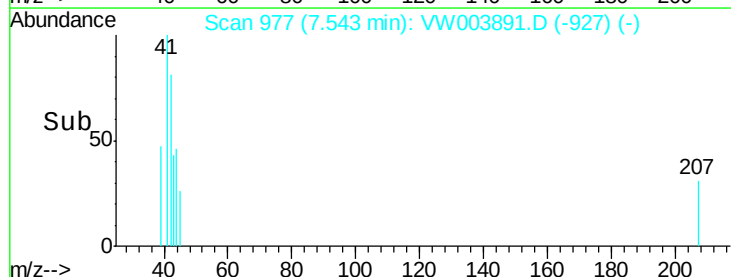
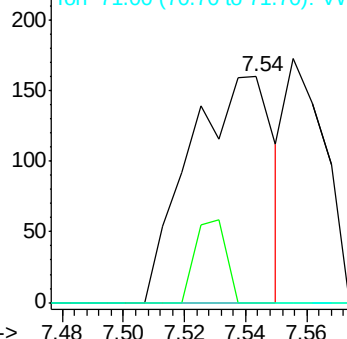
42 100

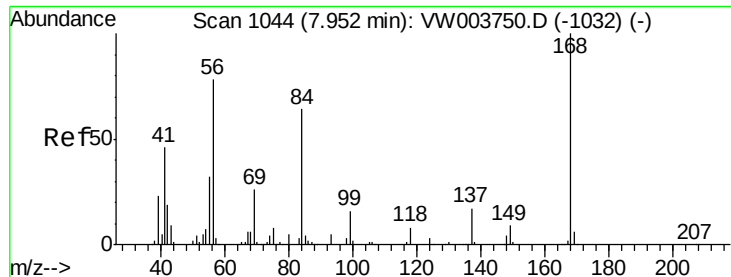
72 13.8 31.8 47.8#

71 0.0 30.3 45.5#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

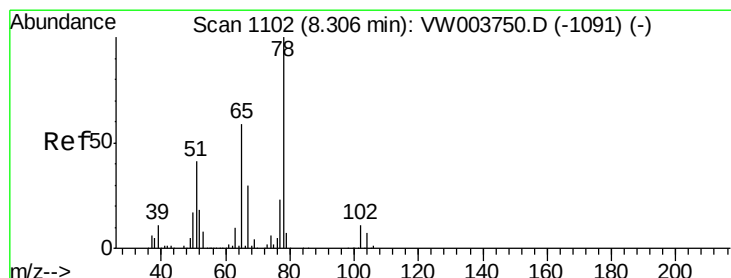
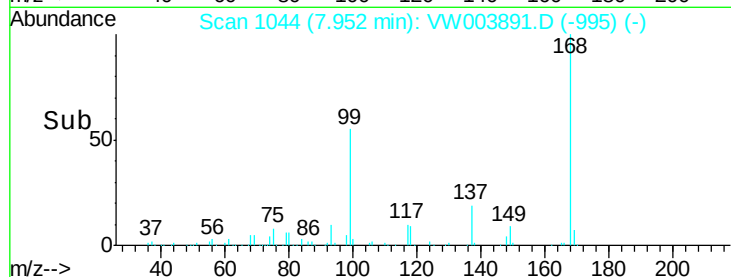
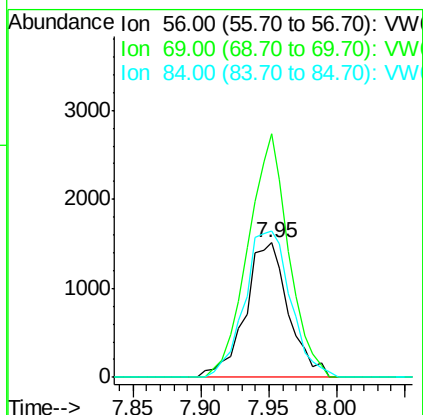
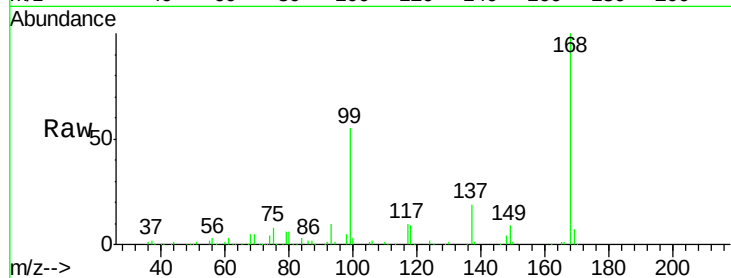




#31
Cyclohexane
Concen: 1.420 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003891.D
Acq: 12 Jul 2018 03:27

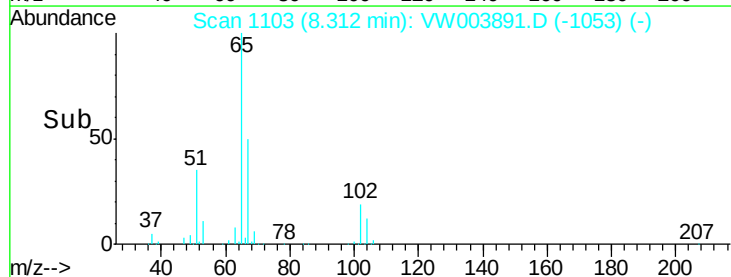
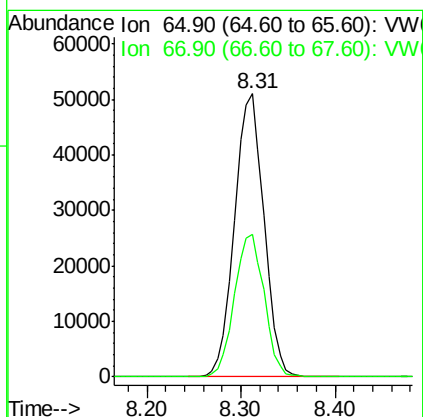
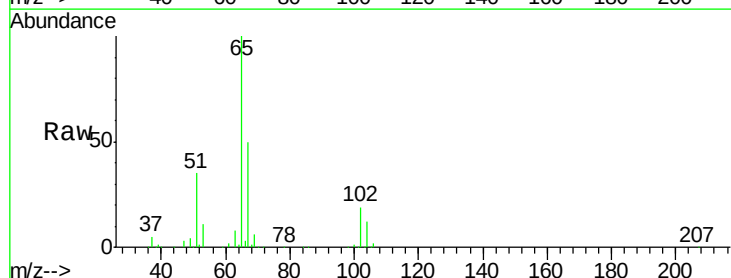
Instrument :
MSVOA_W
ClientSampled :

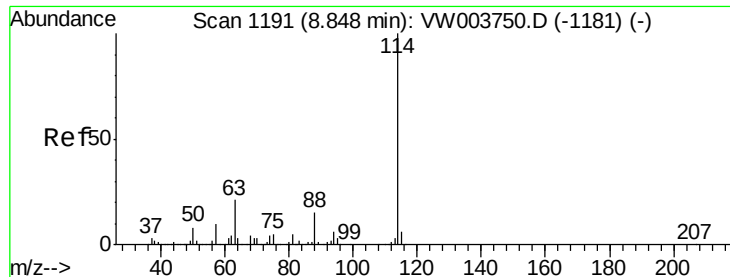
Tot Ion: 56 Resp: 3354
Ion Ratio Lower Upper
56 100
69 181.1 26.2 39.4#
84 109.1 65.5 98.3#



#33
1,2-Dichloroethane-d4
Concen: 68.821 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW003891.D
Acq: 12 Jul 2018 03:27

Tgt Ion: 65 Resp: 111396
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.8

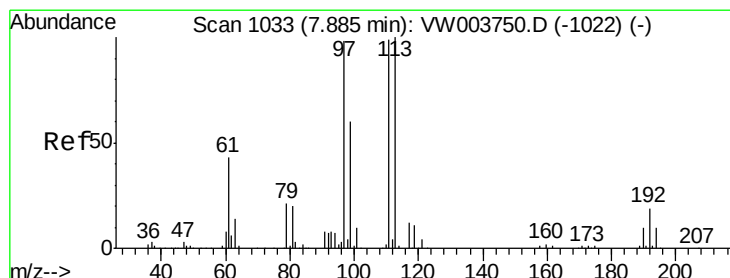
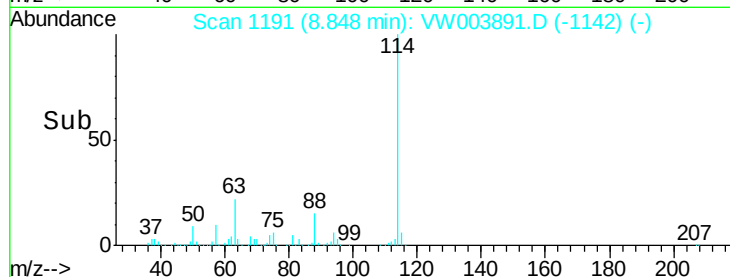
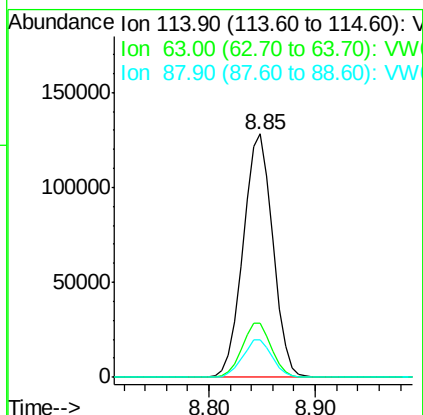
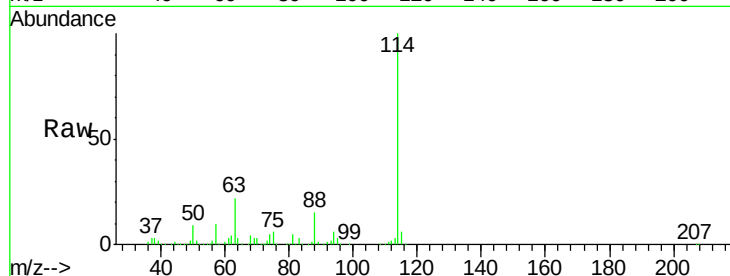




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003891.D
 Acq: 12 Jul 2018 03:27

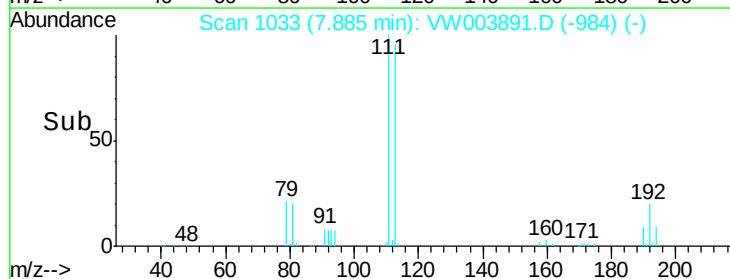
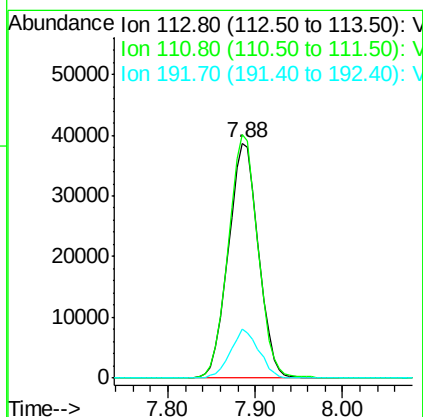
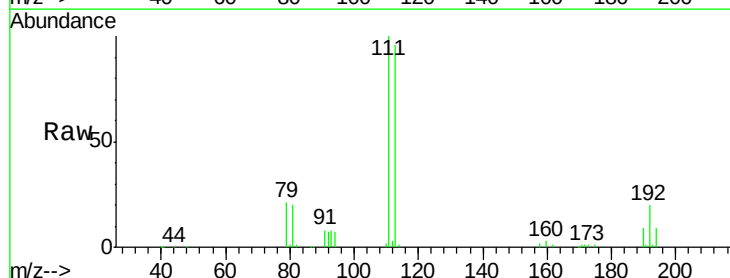
Instrument :
 MSVOA_W
 ClientSampleId :

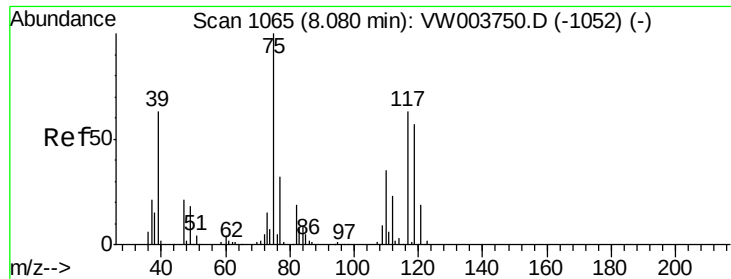
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	41.8
88	15.3	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 52.462 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003891.D
 Acq: 12 Jul 2018 03:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.7	122.5
192	19.7	15.8	23.8





#36

1,1-Dichloropropene

Concen: 3.957 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW003891.D

Acq: 12 Jul 2018 03:27

Instrument :

MSVOA_W

ClientSampled :

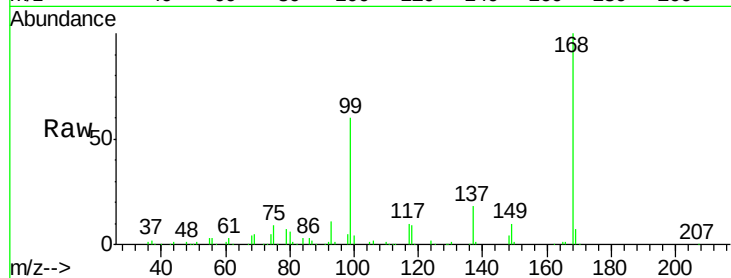
Tot Ion: 75 Resp: 10555

Ion Ratio Lower Upper

75 100

110 7.1 16.9 50.6#

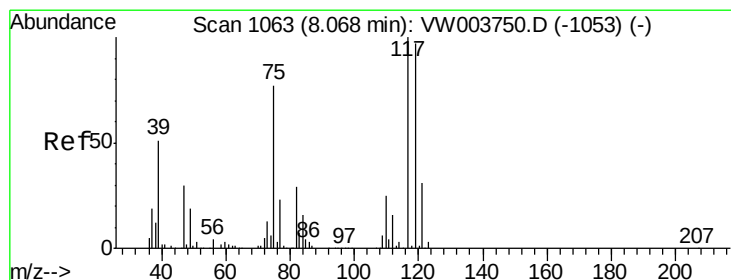
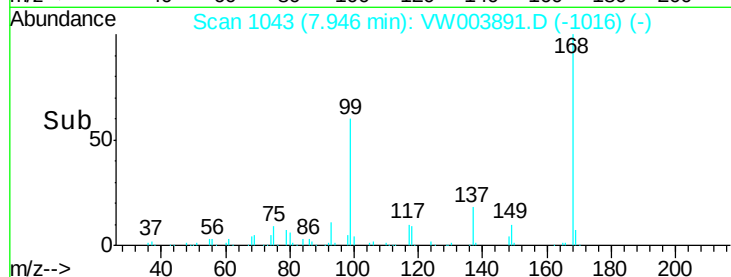
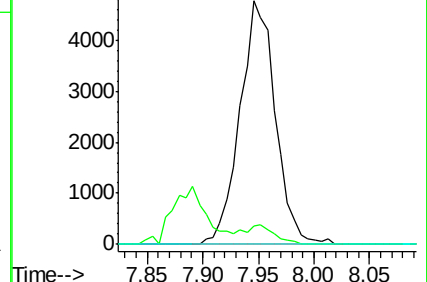
77 0.0 24.8 37.2#



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: 5.001 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003891.D

Acq: 12 Jul 2018 03:27

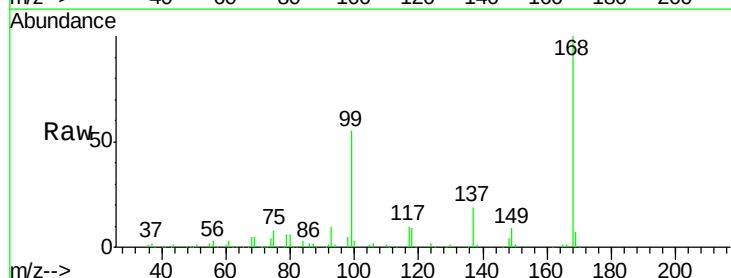
Tgt Ion: 117 Resp: 12683

Ion Ratio Lower Upper

117 100

119 5.0 77.4 116.2#

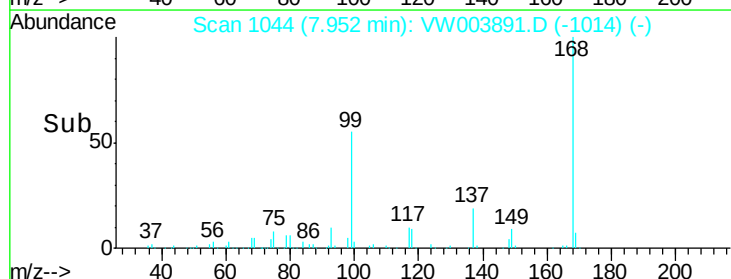
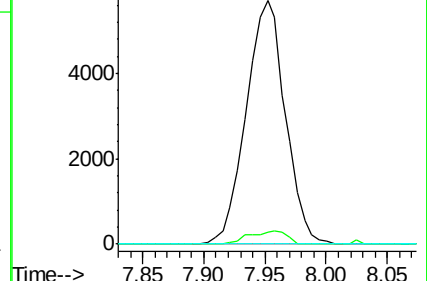
121 0.0 24.6 37.0#

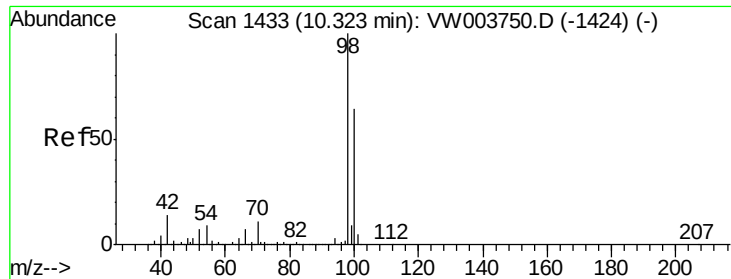


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 46.388 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003891.D

Acq: 12 Jul 2018 03:27

Instrument :

MSVOA_W

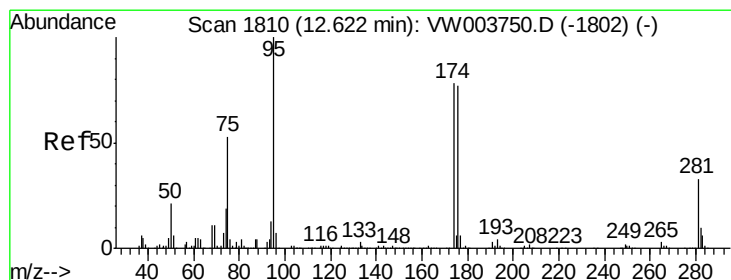
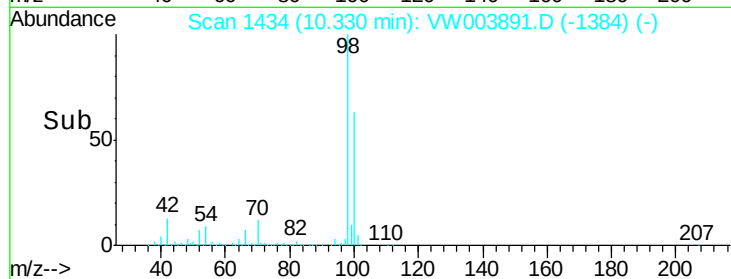
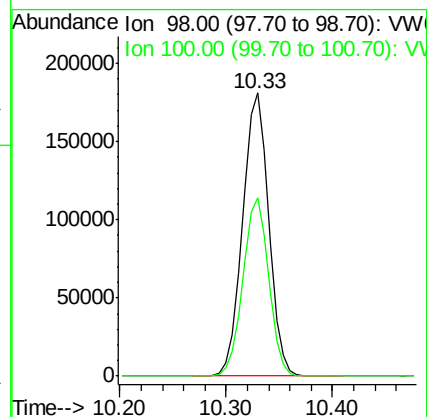
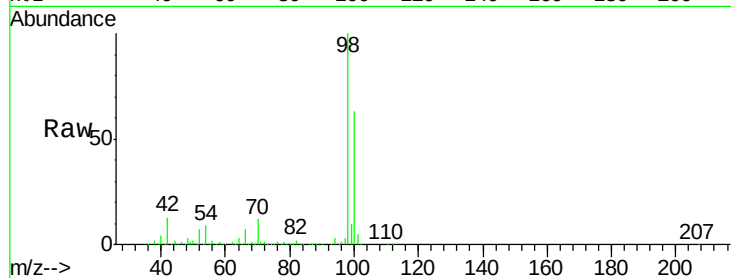
ClientSampleId :

Tot Ion: 98 Resp: 312204

Ion Ratio Lower Upper

98 100

100 62.0 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 41.996 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003891.D

Acq: 12 Jul 2018 03:27

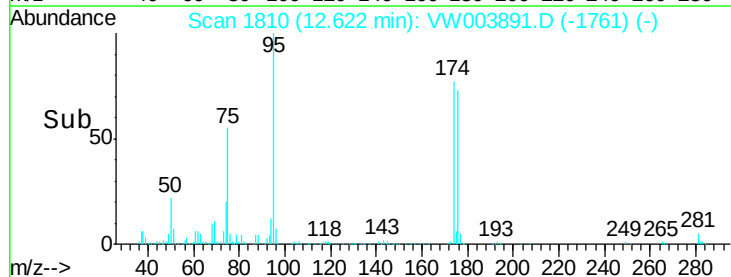
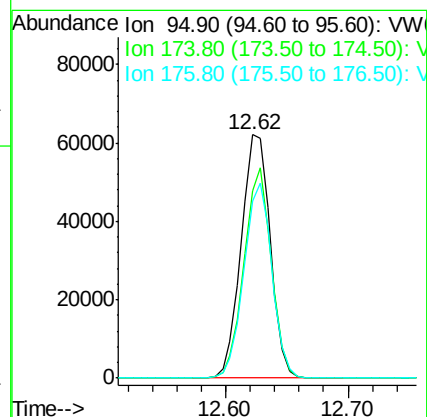
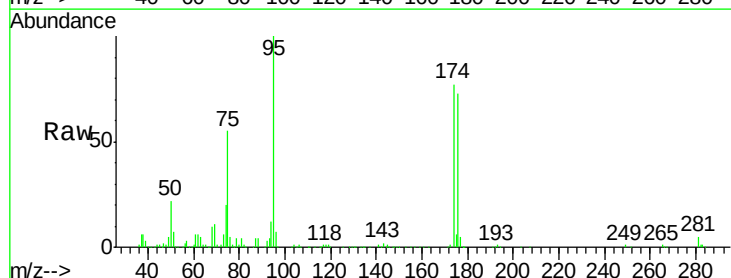
Tgt Ion: 95 Resp: 102265

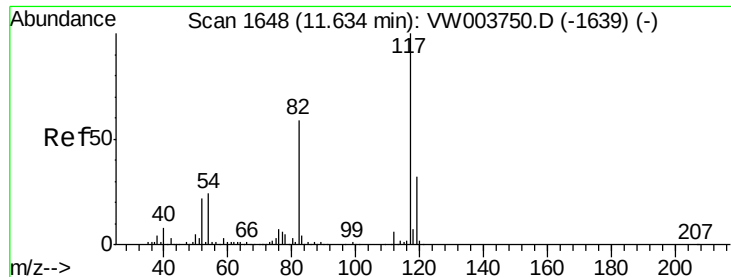
Ion Ratio Lower Upper

95 100

174 80.8 0.0 163.4

176 77.1 0.0 156.8

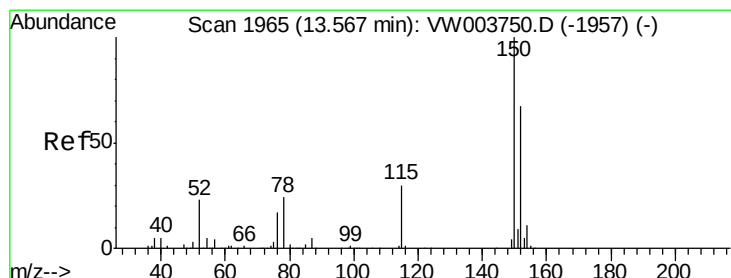
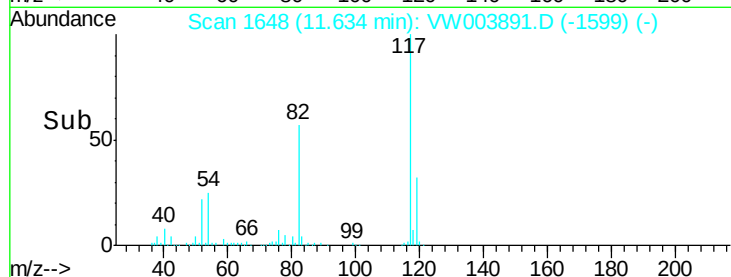
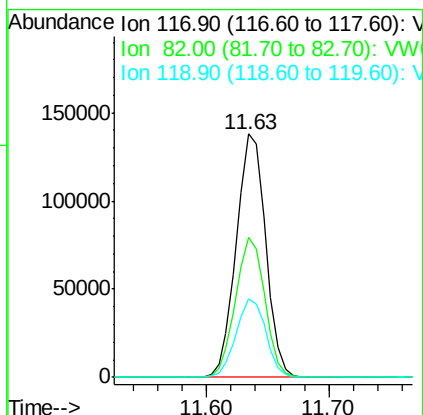
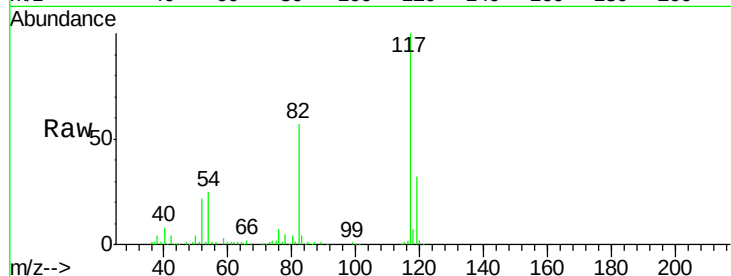




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003891.D
Acq: 12 Jul 2018 03:27

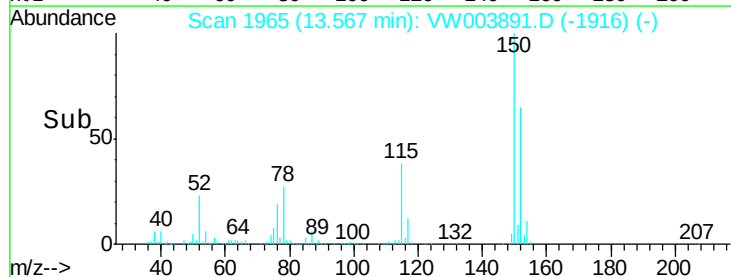
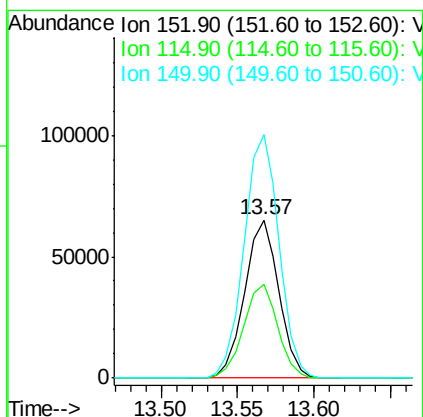
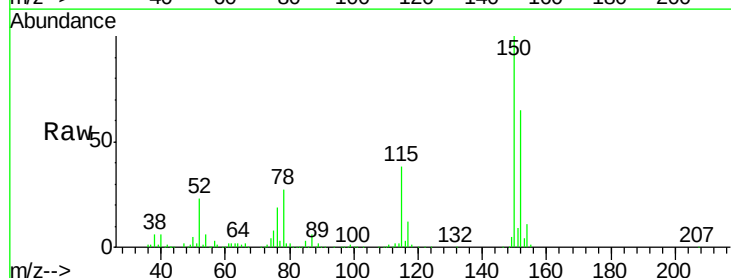
Instrument :
MSVOA_W
ClientSampleId :

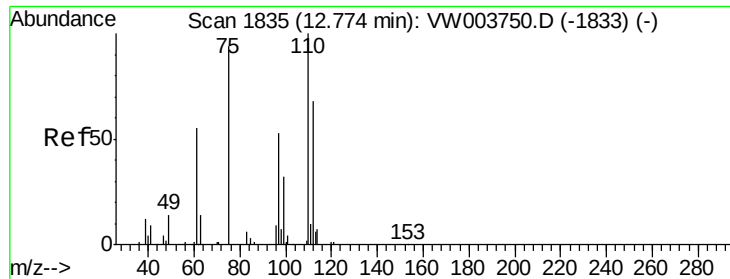
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.9	70.3
119	32.0	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003891.D
Acq: 12 Jul 2018 03:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	28.9	86.8
150	157.2	0.0	342.4





#76

1,2,3-Trichloropropane

Concen: 55.279 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003891.D

Acq: 12 Jul 2018 03:27

Instrument :

MSVOA_W

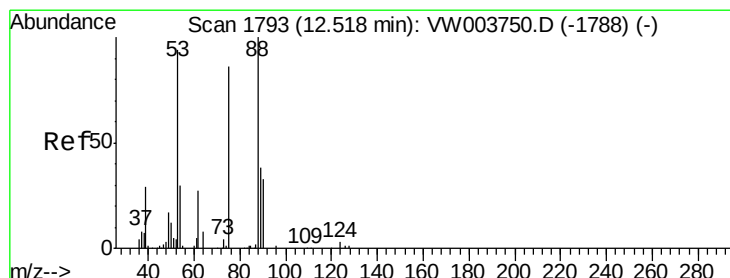
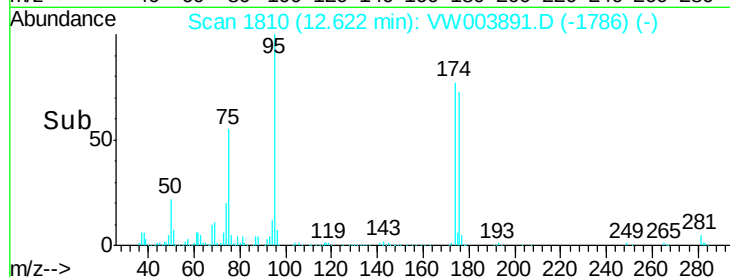
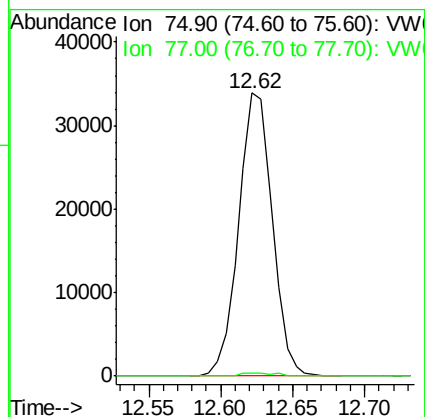
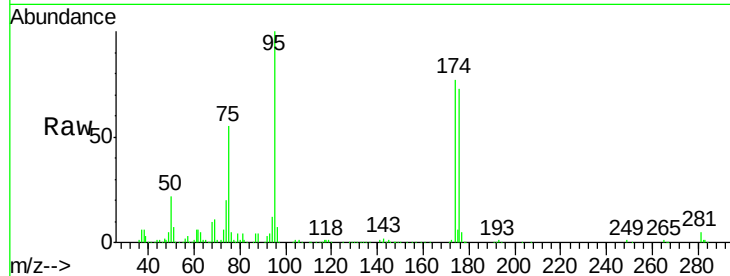
ClientSampleId :

Tot Ion: 75 Resp: 54954

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.226 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003891.D

Acq: 12 Jul 2018 03:27

Tgt Ion: 75 Resp: 54954

Ion Ratio Lower Upper

75 100

53 0.3 85.0 127.6#

89 0.0 36.3 54.5#

