

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071118\
 Data File : VW003890.D
 Acq On : 12 Jul 2018 03:01
 Operator : SY/AP
 Sample : J3924-01
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 03:41:44 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	138976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	239027	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	189691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	62822	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	117134	64.45	ug/l	0.00
Spiked Amount			Recovery	=	128.90%	
35) Dibromofluoromethane	7.88	113	97008	57.99	ug/l	0.00
Spiked Amount			Recovery	=	115.98%	
50) Toluene-d8	10.33	98	301609	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
62) 4-Bromofluorobenzene	12.62	95	76829	33.18	ug/l	0.00
Spiked Amount			Recovery	=	66.36%	

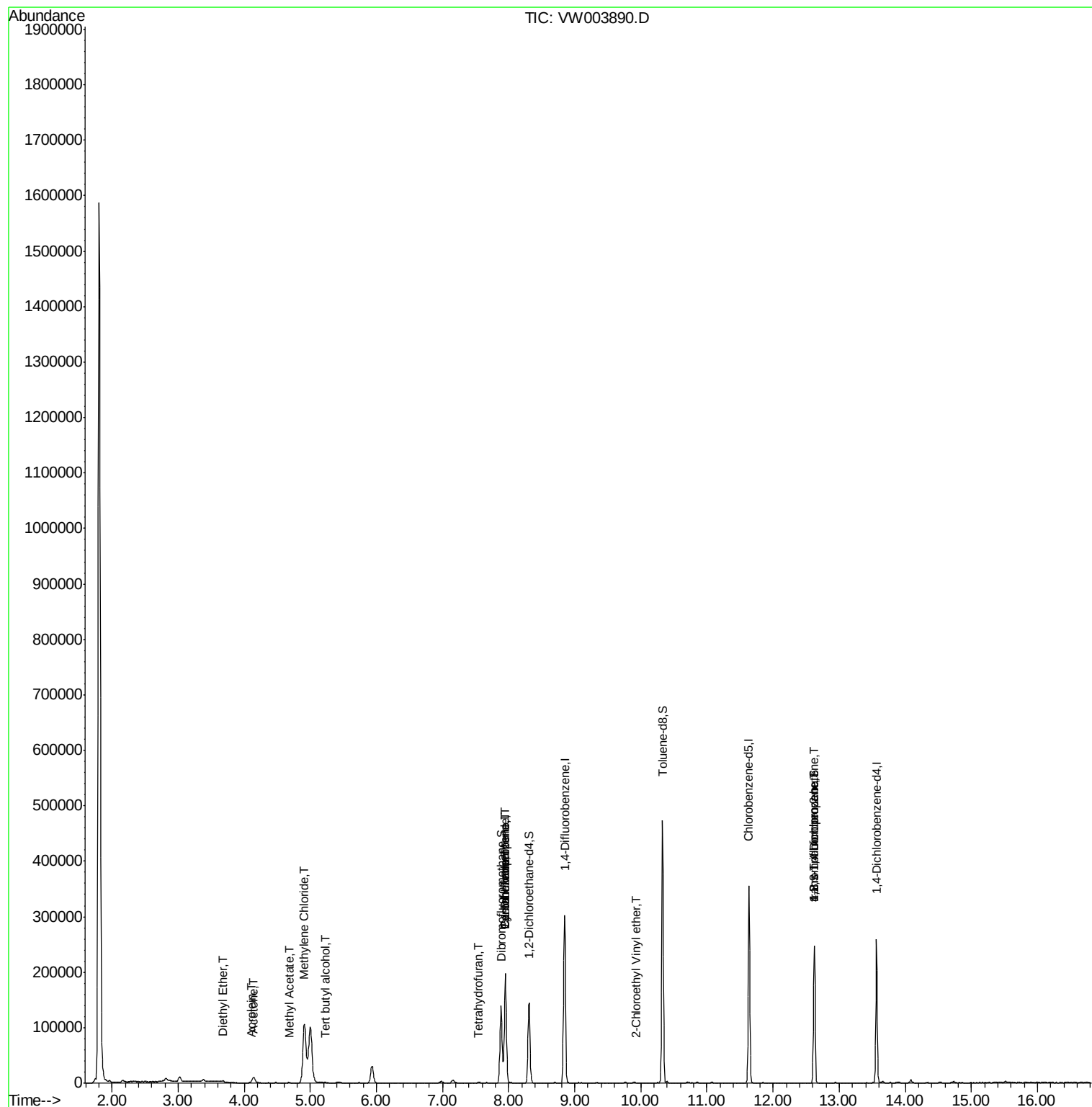
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1623	2.316	ug/l	92
11) Tert butyl alcohol	5.22	59	503	5.107	ug/l #	70
13) Acrolein	4.10	56	29	4.916	ug/l #	75
16) Acetone	4.14	43	19571	62.068	ug/l	98
18) Methyl Acetate	4.68	43	1216	1.368	ug/l #	83
20) Methylene Chloride	4.92	84	89429	58.984	ug/l	97
29) Tetrahydrofuran	7.54	42	630	1.984	ug/l #	65
31) Cyclohexane	7.95	56	4021	1.516	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	11812	4.657	ug/l #	49
38) Carbon Tetrachloride	7.95	117	14160	5.872	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.93	63	24	13.193	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	41198	66.782	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	41198	163.365	ug/l #	8

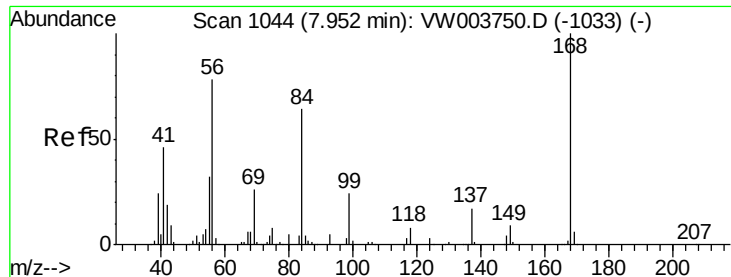
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003890.D

Acq: 12 Jul 2018 03:01

Instrument :

MSVOA_W

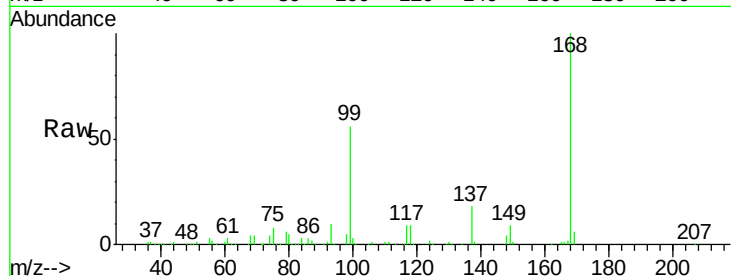
ClientSampleId :

Tot Ion:168 Resp: 138976

Ion Ratio Lower Upper

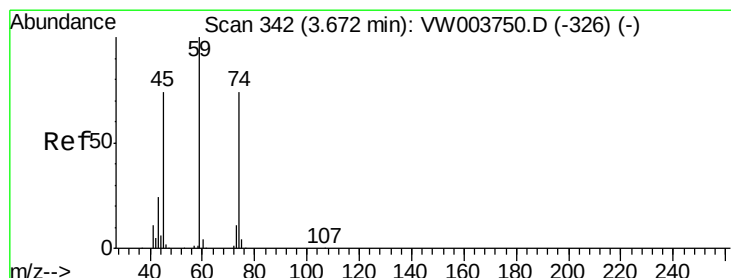
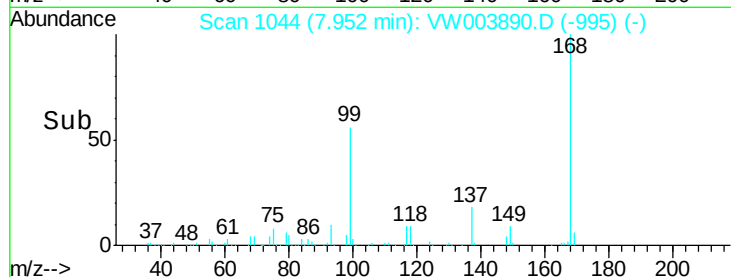
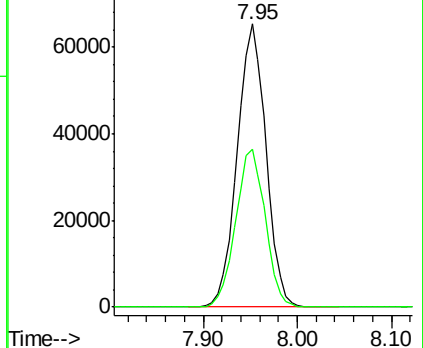
168 100

99 55.9 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: 2.316 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW003890.D

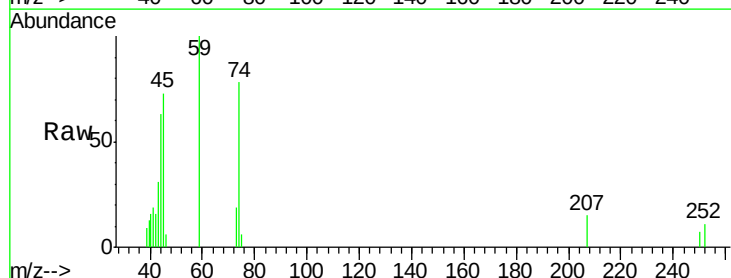
Acq: 12 Jul 2018 03:01

Tgt Ion: 74 Resp: 1623

Ion Ratio Lower Upper

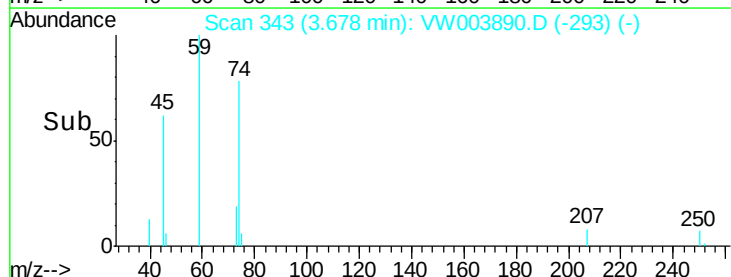
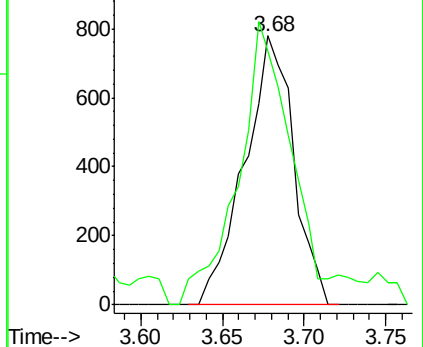
74 100

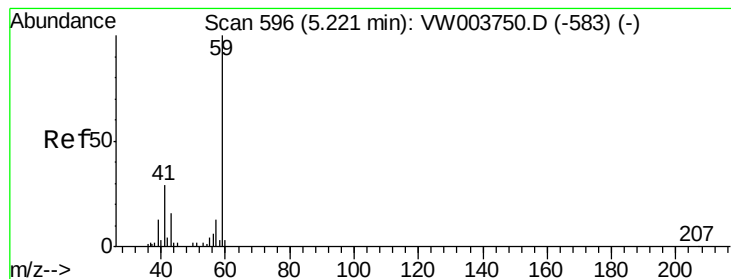
45 112.7 52.4 157.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 5.107 ug/l

RT: 5.22 min Scan# 596

Delta R.T. -0.00 min

Lab File: VW003890.D

Acq: 12 Jul 2018 03:01

Instrument :

MSVOA_W

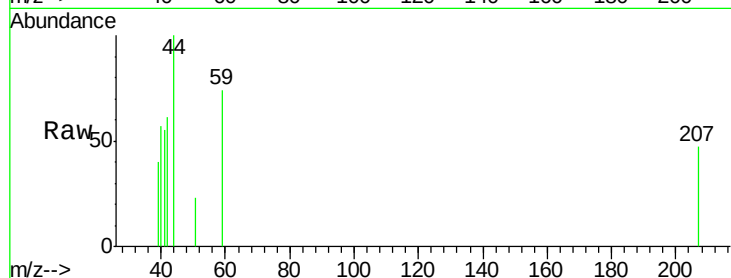
ClientSampled :

Tot Ion: 59 Resp: 503

Ion Ratio Lower Upper

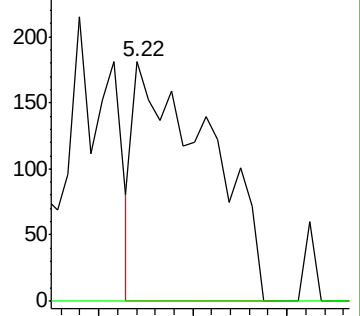
59 100

57 0.0 9.3 13.9#

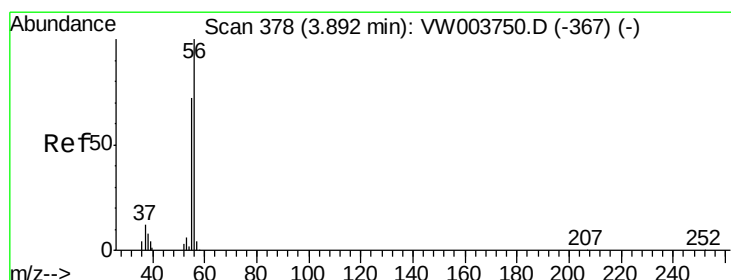
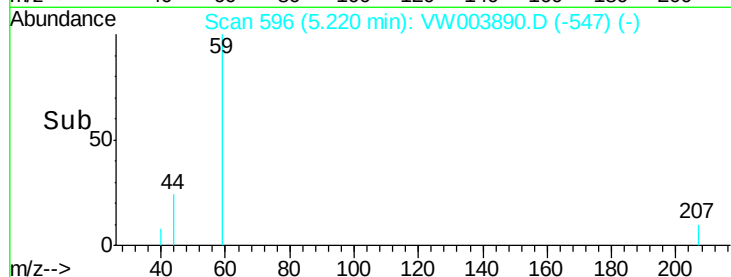


Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



Time-->



#13

Acrolein

Concen: 4.916 ug/l

RT: 4.10 min Scan# 413

Delta R.T. 0.21 min

Lab File: VW003890.D

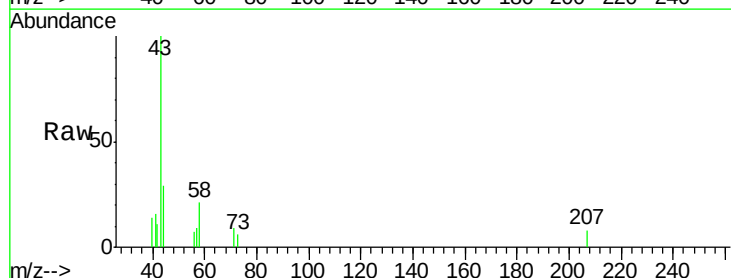
Acq: 12 Jul 2018 03:01

Tgt Ion: 56 Resp: 29

Ion Ratio Lower Upper

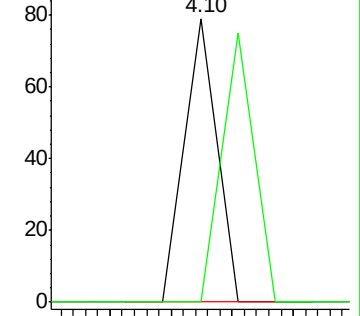
56 100

55 93.1 57.5 86.3#

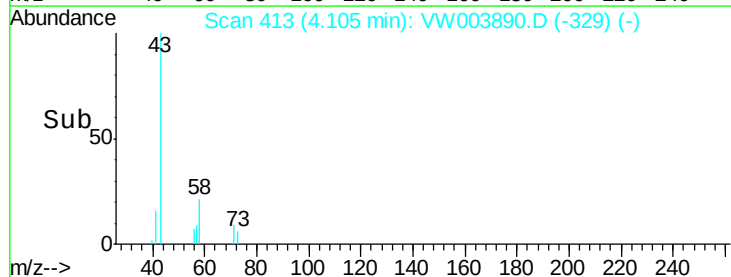


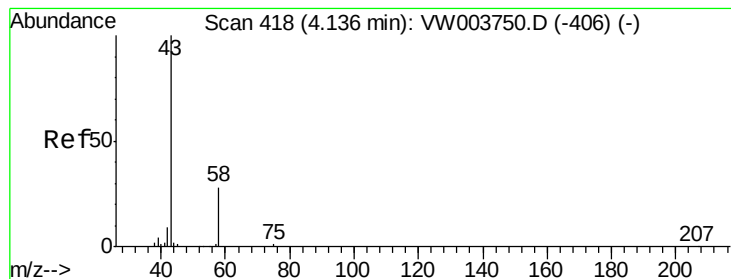
Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->





#16

Acetone

Concen: 62.068 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW003890.D

Acq: 12 Jul 2018 03:01

Instrument :

MSVOA_W

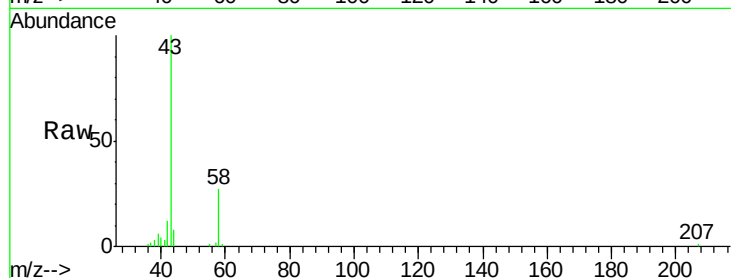
ClientSampleId :

Tot Ion: 43 Resp: 19571

Ion Ratio Lower Upper

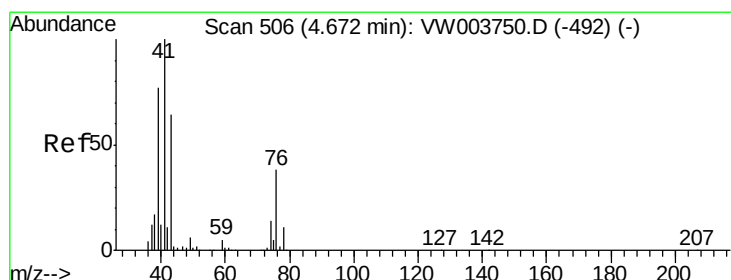
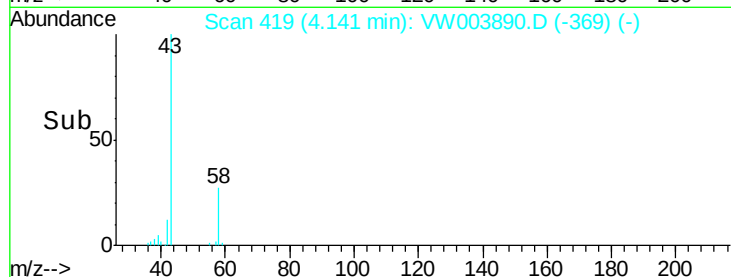
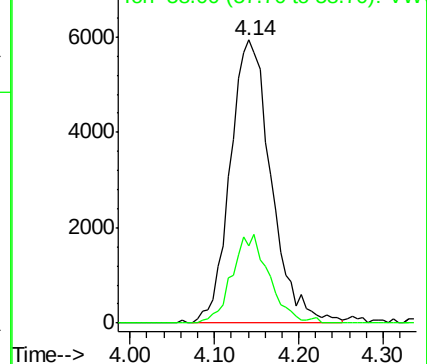
43 100

58 27.2 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.368 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.01 min

Lab File: VW003890.D

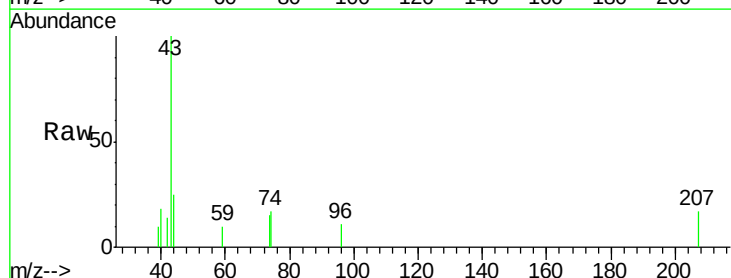
Acq: 12 Jul 2018 03:01

Tgt Ion: 43 Resp: 1216

Ion Ratio Lower Upper

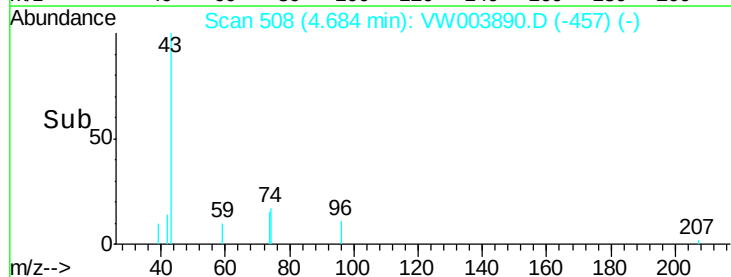
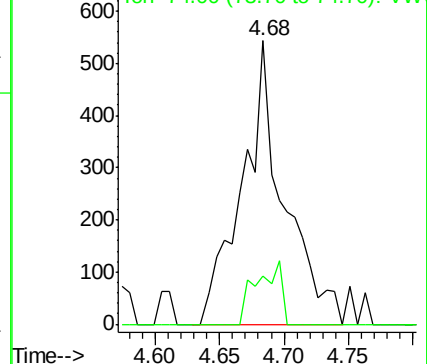
43 100

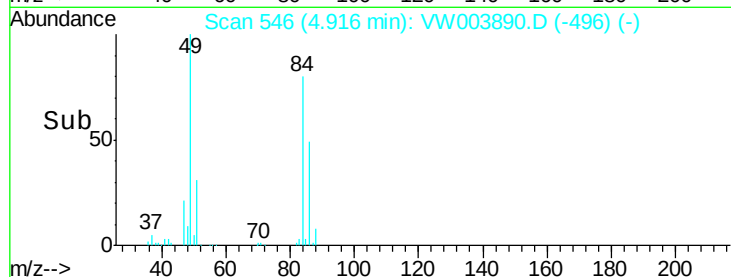
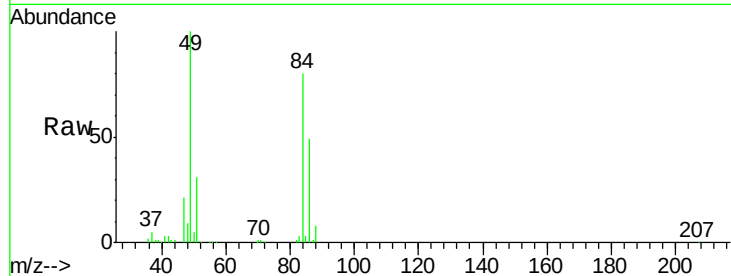
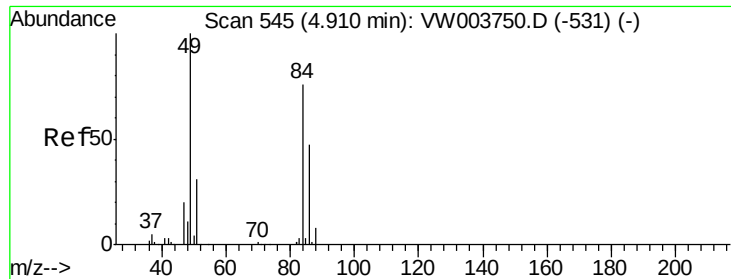
74 13.4 17.3 25.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

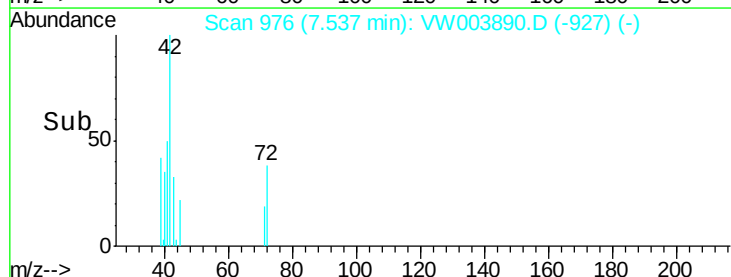
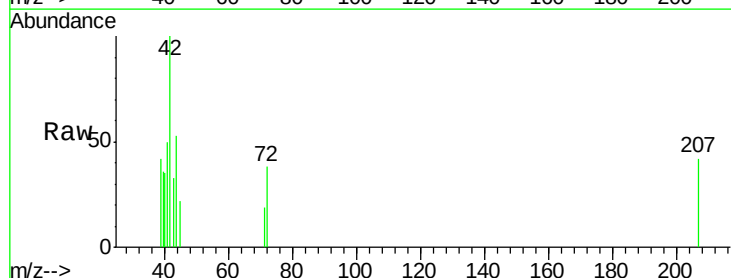
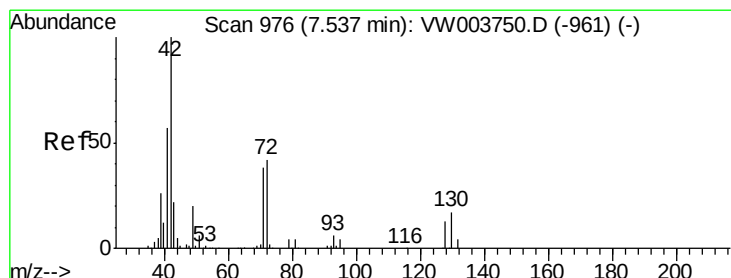
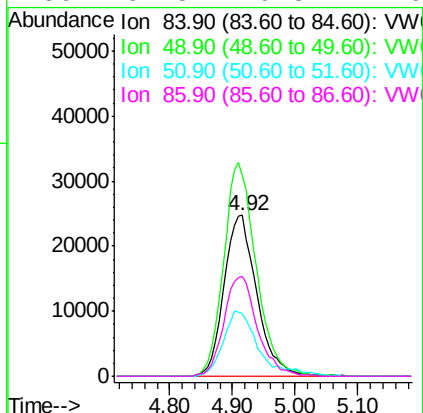




#20
Methylene Chloride
Concen: 58.984 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003890.D
Acq: 12 Jul 2018 03:01

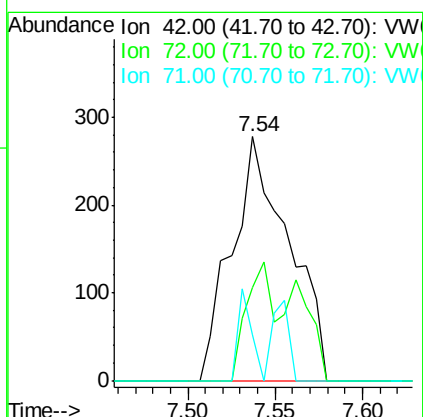
Instrument :
MSVOA_W
ClientSampled :

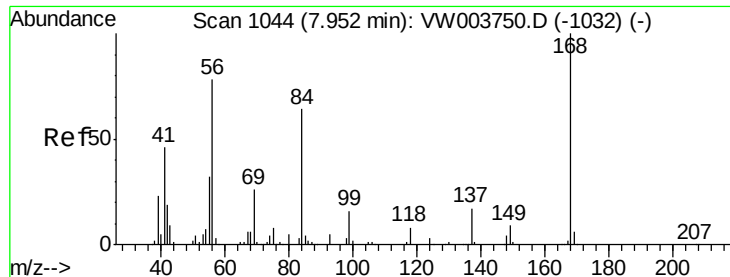
Tot Ion:	84	Resp:	89429
Ion	Ratio	Lower	Upper
84	100		
49	125.3	105.1	157.7
51	39.1	32.5	48.7
86	61.8	49.8	74.6



#29
Tetrahydrofuran
Concen: 1.984 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW003890.D
Acq: 12 Jul 2018 03:01

Tgt Ion:	42	Resp:	630
Ion	Ratio	Lower	Upper
42	100		
72	26.3	31.8	47.8#
71	9.0	30.3	45.5#

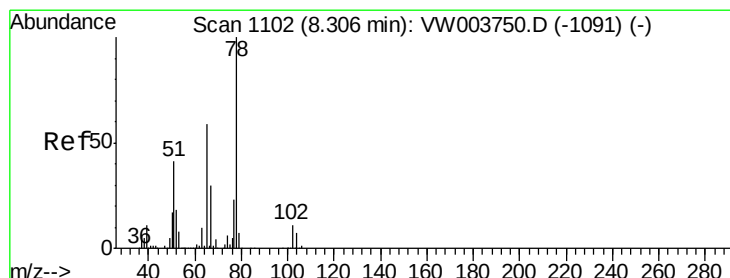
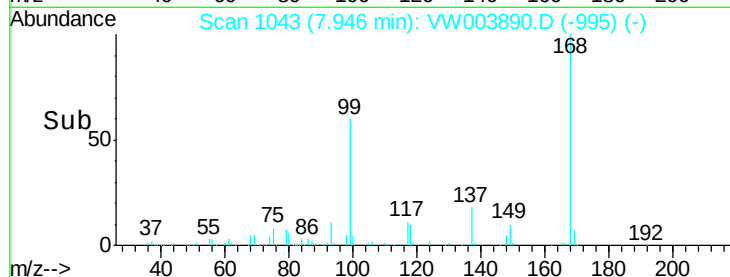
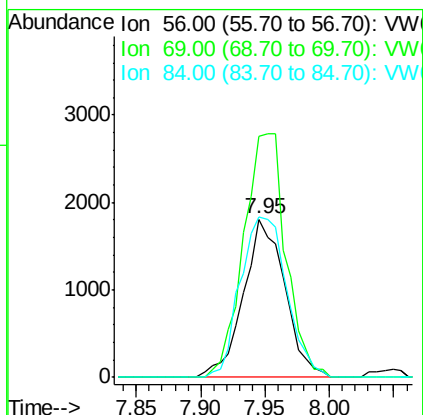
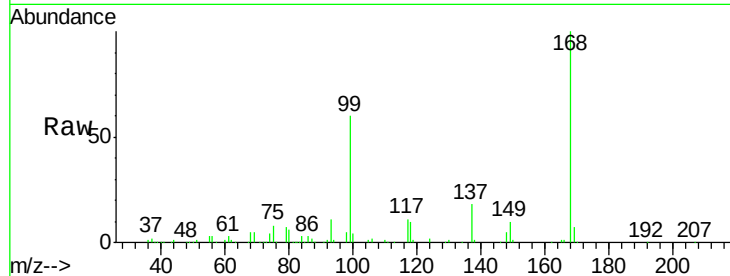




#31
Cyclohexane
Concen: 1.516 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003890.D
Acq: 12 Jul 2018 03:01

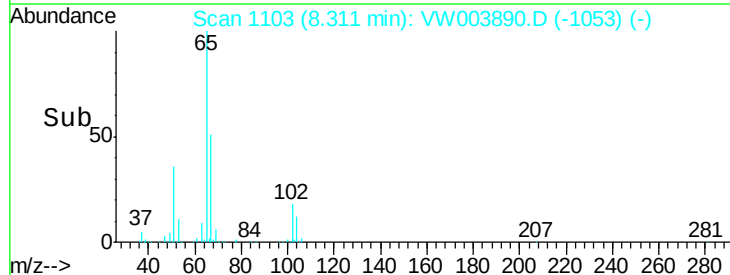
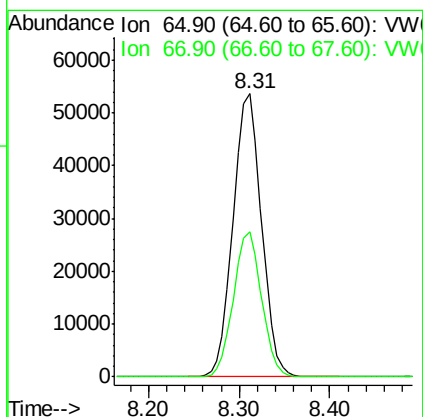
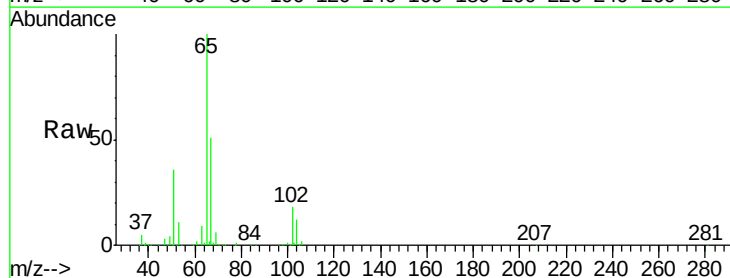
Instrument :
MSVOA_W
ClientSampleId :

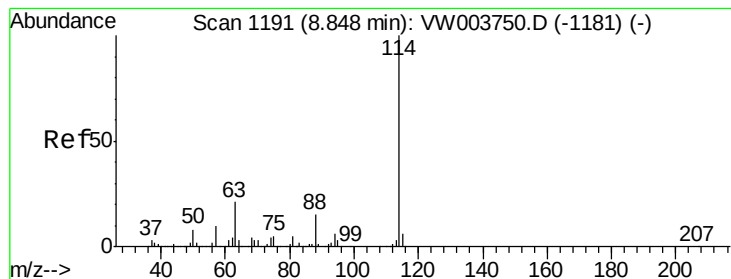
Tot Ion	56	Resp	4021
Ion Ratio	Lower	Upper	
56	100		
69	152.4	26.2	39.4#
84	101.4	65.5	98.3#



#33
1,2-Dichloroethane-d4
Concen: 64.451 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW003890.D
Acq: 12 Jul 2018 03:01

Tgt Ion	65	Resp	117134
Ion Ratio	Lower	Upper	
65	100		
67	50.6	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: VW003890.D

Acq: 12 Jul 2018 03:01

Instrument :

MSVOA_W

ClientSampleId :

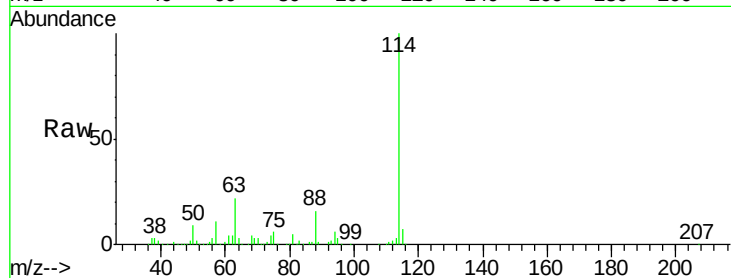
Tot Ion:114 Resp: 239027

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

88 15.6 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

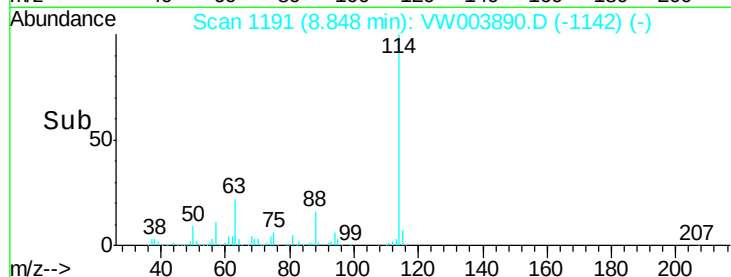
150000

100000

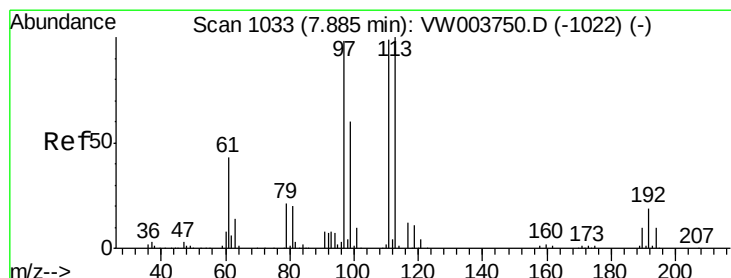
50000

0

8.80 8.85 8.90



Time-->



#35

Dibromofluoromethane

Concen: 57.987 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003890.D

Acq: 12 Jul 2018 03:01

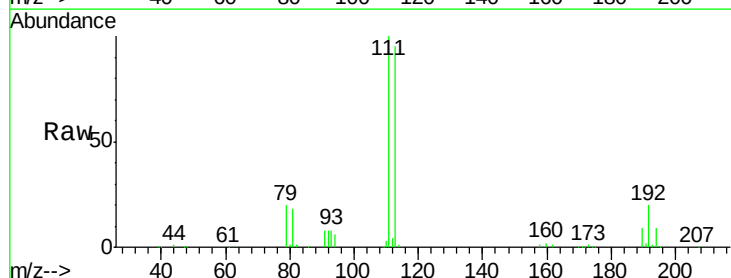
Tgt Ion:113 Resp: 97008

Ion Ratio Lower Upper

113 100

111 101.6 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

60000

50000

40000

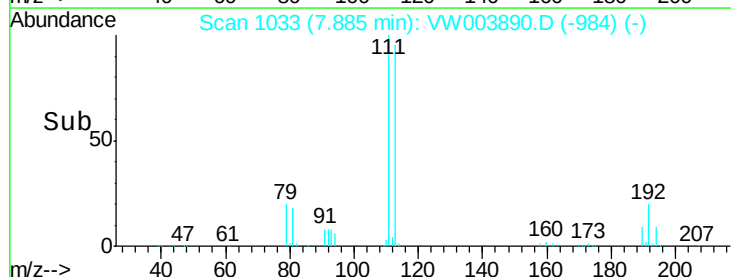
30000

20000

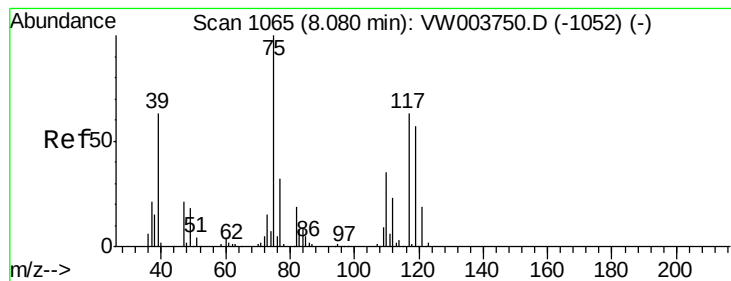
10000

0

7.80 7.88 7.90 8.00



Time-->



#36

1,1-Dichloropropene

Concen: 4.657 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003890.D

Acq: 12 Jul 2018 03:01

Instrument :

MSVOA_W

ClientSampleId :

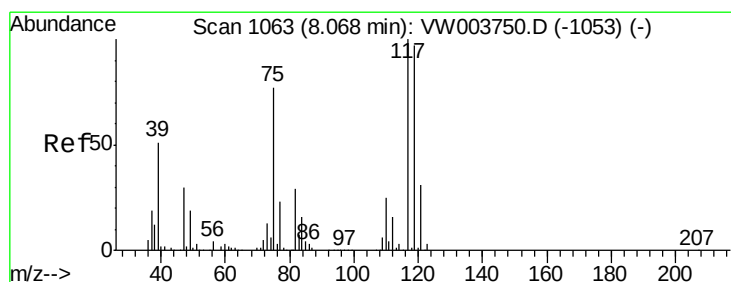
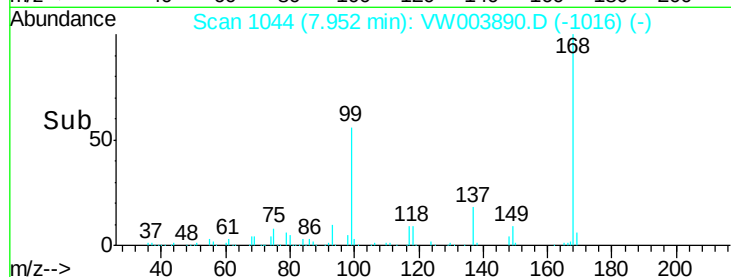
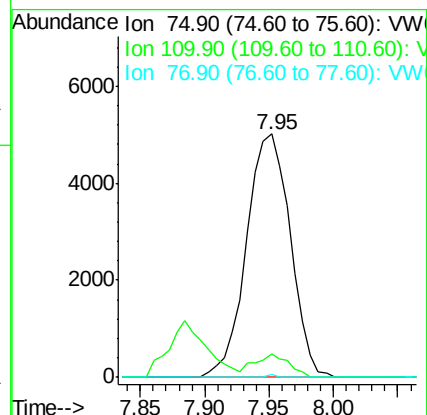
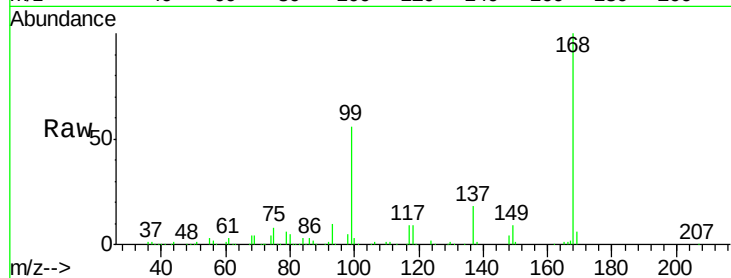
Tot Ion: 75 Resp: 11812

Ion Ratio Lower Upper

75 100

110 7.6 16.9 50.6#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.872 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003890.D

Acq: 12 Jul 2018 03:01

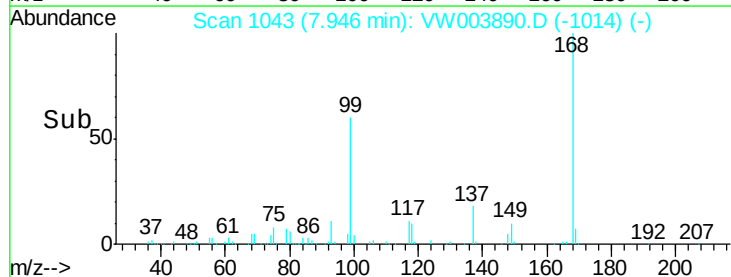
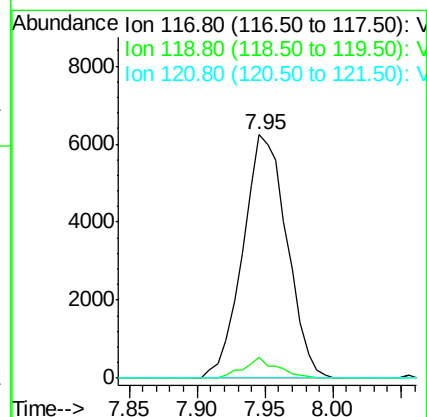
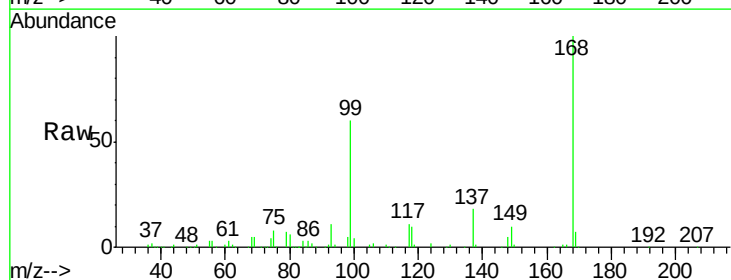
Tgt Ion: 117 Resp: 14160

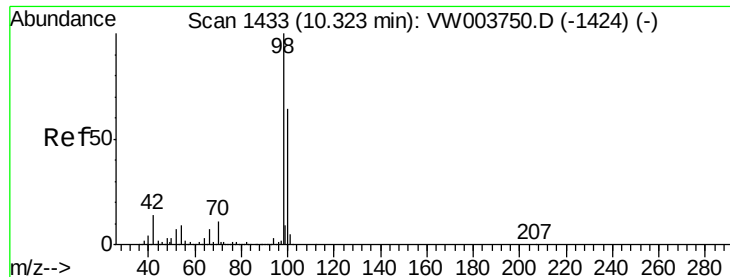
Ion Ratio Lower Upper

117 100

119 8.4 77.4 116.2#

121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 47.132 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003890.D

Acq: 12 Jul 2018 03:01

Instrument :

MSVOA_W

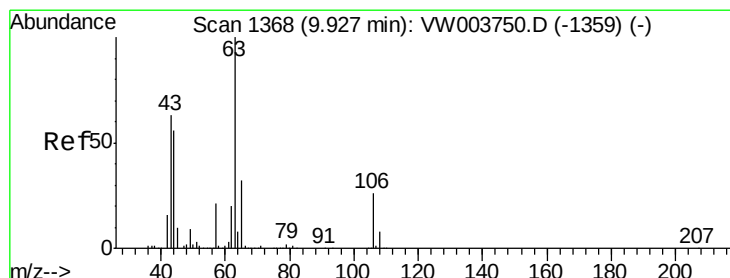
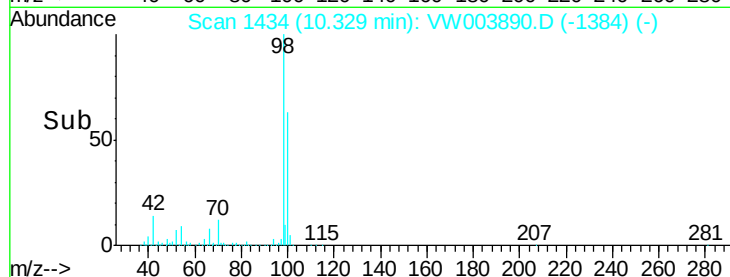
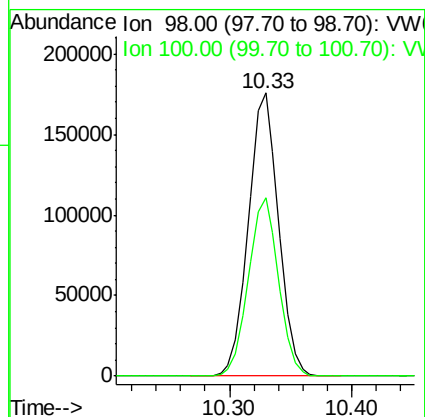
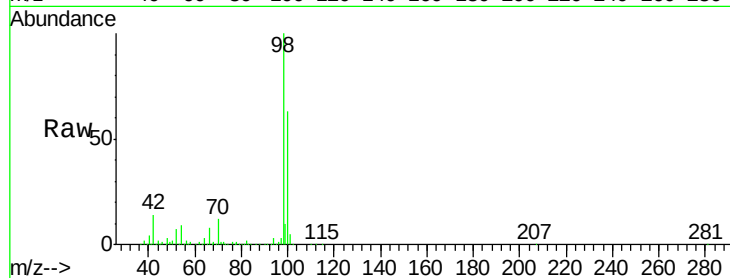
ClientSampled :

Tot Ion: 98 Resp: 301609

Ion Ratio Lower Upper

98 100

100 62.8 50.8 76.2



#58

2-Chloroethyl Vinyl ether

Concen: 13.193 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VW003890.D

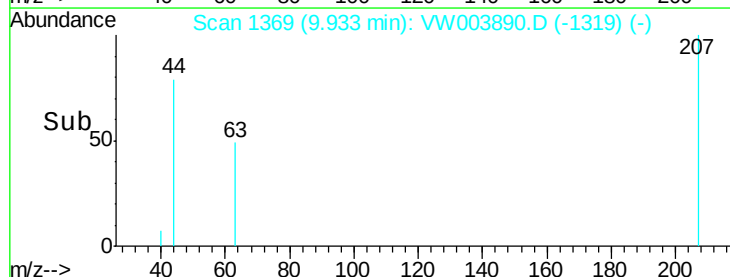
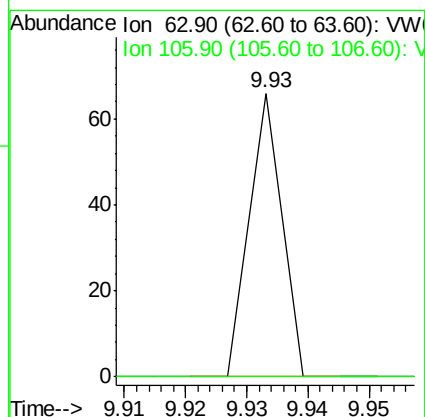
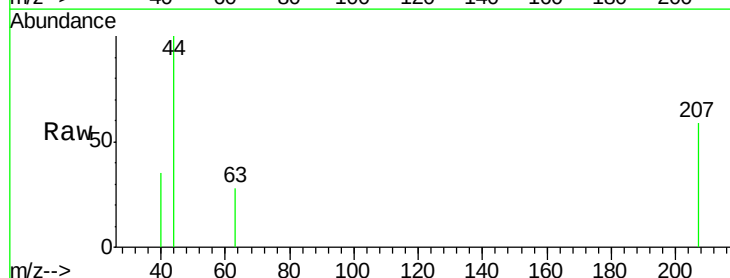
Acq: 12 Jul 2018 03:01

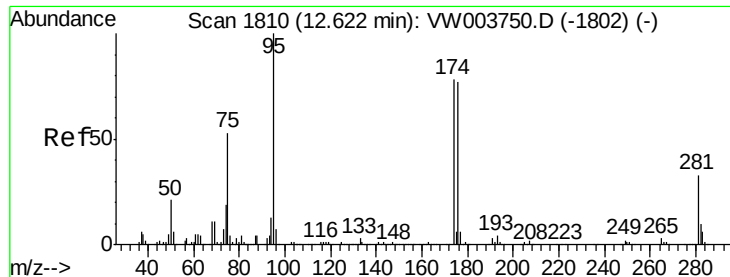
Tgt Ion: 63 Resp: 24

Ion Ratio Lower Upper

63 100

106 0.0 20.9 31.3#

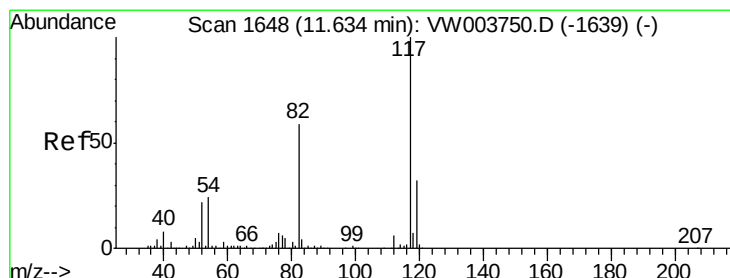
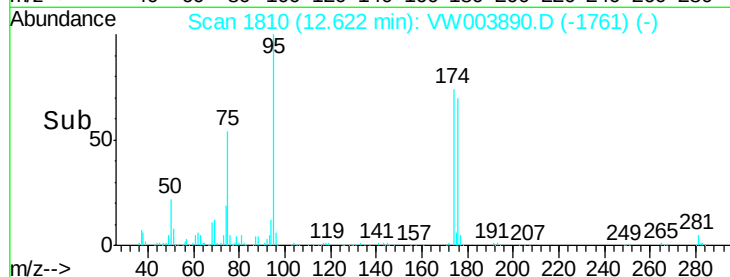
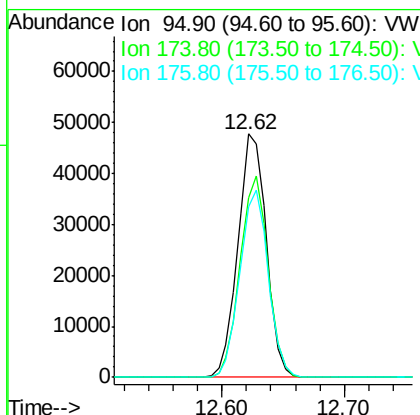
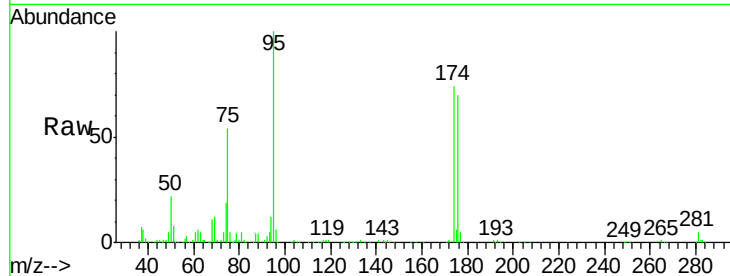




#62
4-Bromofluorobenzene
Concen: 33.182 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003890.D
Acq: 12 Jul 2018 03:01

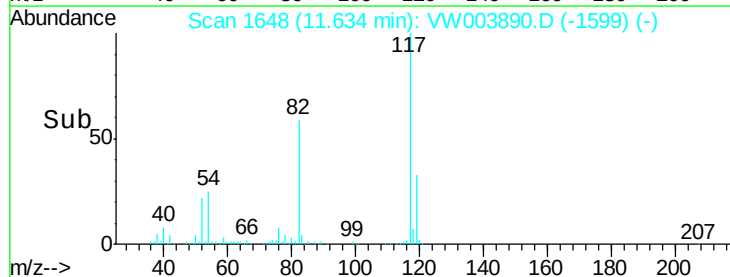
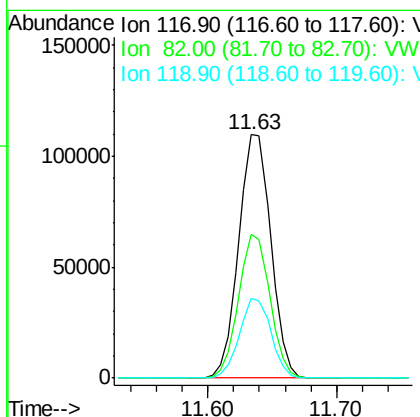
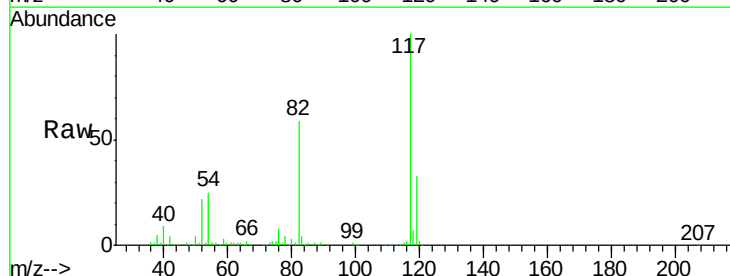
Instrument :
MSVOA_W
ClientSampleId :

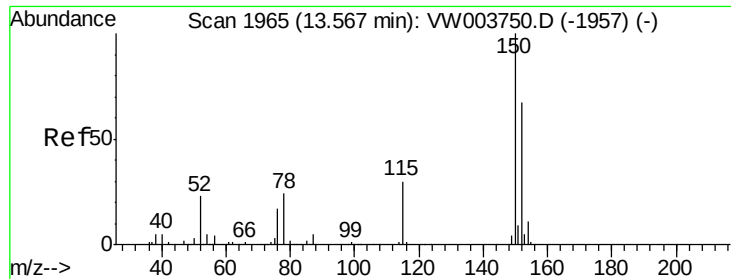
Tot Ion: 95 Resp: 76829
Ion Ratio Lower Upper
95 100
174 81.5 0.0 163.4
176 76.9 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003890.D
Acq: 12 Jul 2018 03:01

Tgt Ion: 117 Resp: 189691
Ion Ratio Lower Upper
117 100
82 59.3 46.9 70.3
119 32.7 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: VW003890.D

Acq: 12 Jul 2018 03:01

Instrument :

MSVOA_W

ClientSampleId :

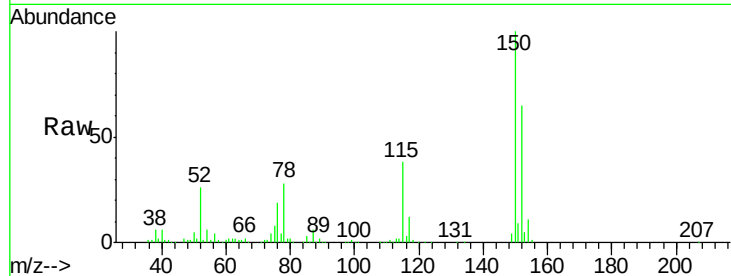
Tot Ion:152 Resp: 62822

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.8

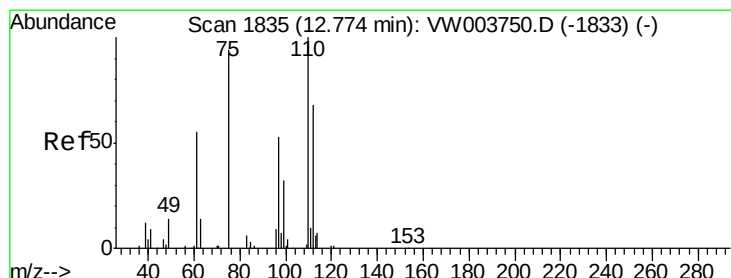
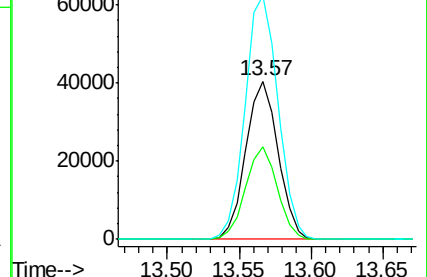
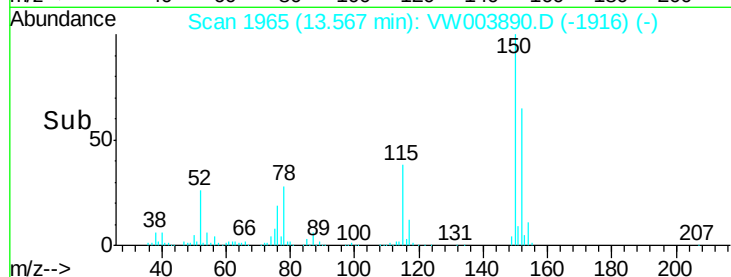
150 156.9 0.0 342.4



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



#76

1,2,3-Trichloropropane

Concen: 66.782 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003890.D

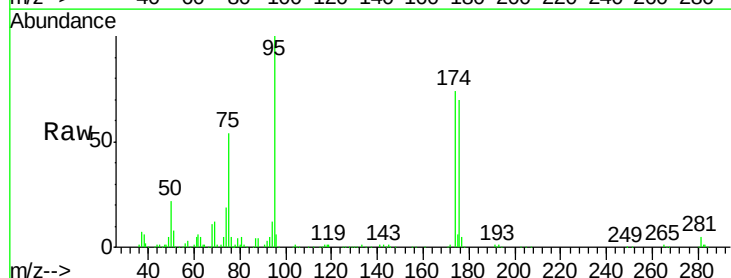
Acq: 12 Jul 2018 03:01

Tgt Ion: 75 Resp: 41198

Ion Ratio Lower Upper

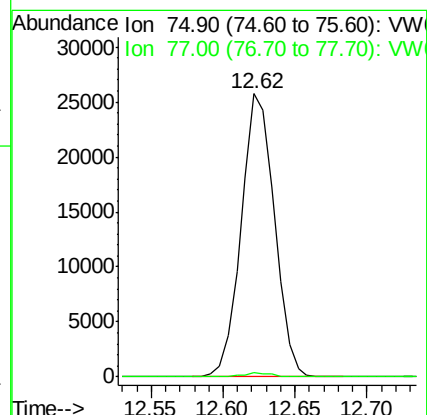
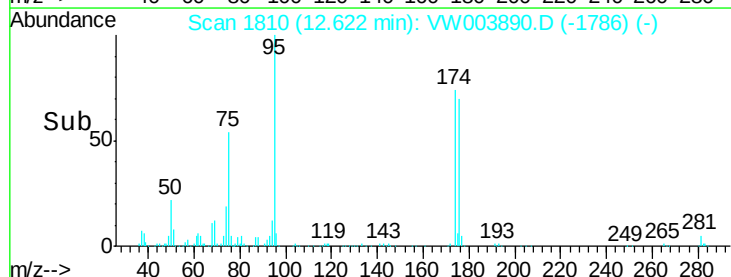
75 100

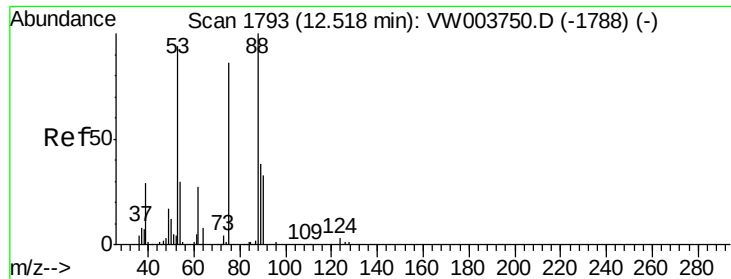
77 1.3 0.0 0.0#



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: 163.365 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003890.D

Acq: 12 Jul 2018 03:01

Instrument :

MSVOA_W

ClientSampleId :

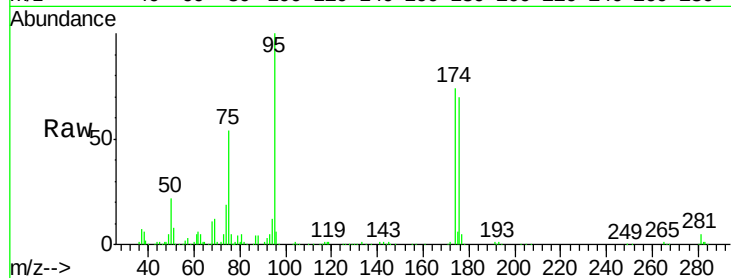
Tot Ion: 75 Resp: 41198

Ion Ratio Lower Upper

75 100

53 0.3 85.0 127.6#

89 0.1 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

