

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003930.D
 Acq On : 13 Jul 2018 21:55
 Operator : VA/AP
 Sample : J3542-01
 Misc : 6.34G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 23:55:18 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	180789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	314735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	279528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	119132	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	135521	57.32	ug/l	0.00
Spiked Amount			Recovery	=	114.64%	
35) Dibromofluoromethane	7.88	113	114226	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
50) Toluene-d8	10.33	98	362056	42.97	ug/l	0.00
Spiked Amount			Recovery	=	85.94%	
62) 4-Bromofluorobenzene	12.62	95	137284	45.03	ug/l	0.00
Spiked Amount			Recovery	=	90.06%	

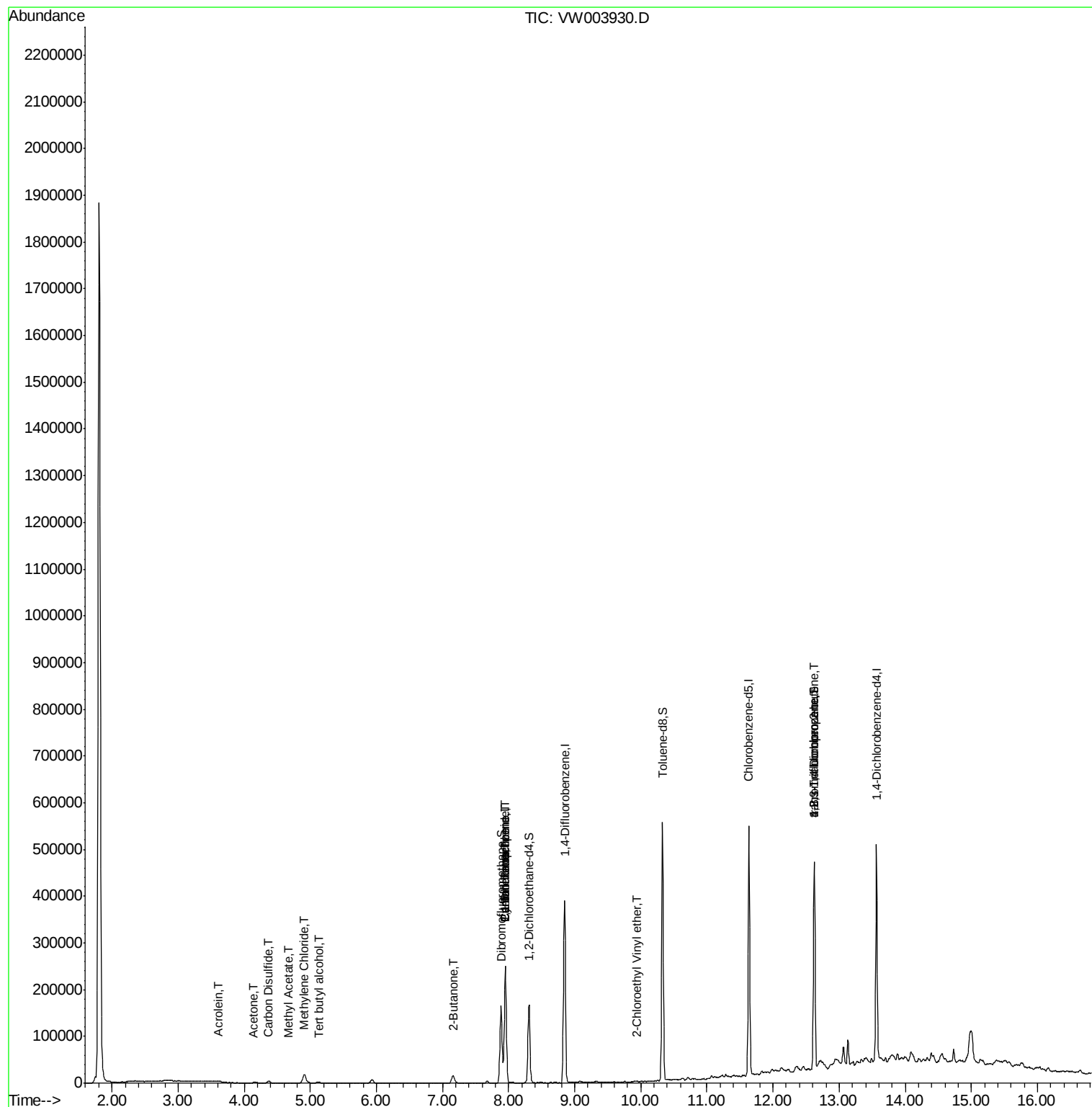
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1744	13.612	ug/l #	70
13) Acrolein	3.62	56	102	5.212	ug/l #	1
16) Acetone	4.14	43	1017	2.479	ug/l #	80
17) Carbon Disulfide	4.37	76	7629	1.370	ug/l #	84
18) Methyl Acetate	4.68	43	1203	1.040	ug/l #	76
20) Methylene Chloride	4.90	84	14829	3.325	ug/l	97
25) 2-Butanone	7.16	43	1340	2.086	ug/l #	51
31) Cyclohexane	7.95	56	4640	1.345	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15222	4.558	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18625	5.866	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.93	63	44	13.204	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	73273	62.634	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73273	153.218	ug/l #	8

(#) = 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: VW003930.D

Acq: 13 Jul 2018 21:55

Instrument :

MSVOA_W

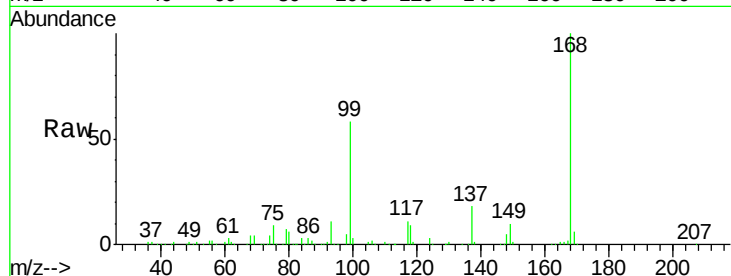
ClientSampleId :

Tot Ion:168 Resp: 180789

Ion Ratio Lower Upper

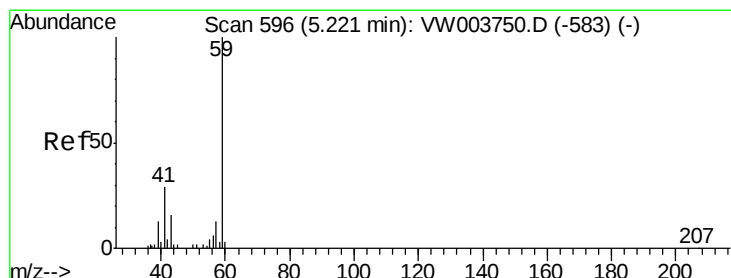
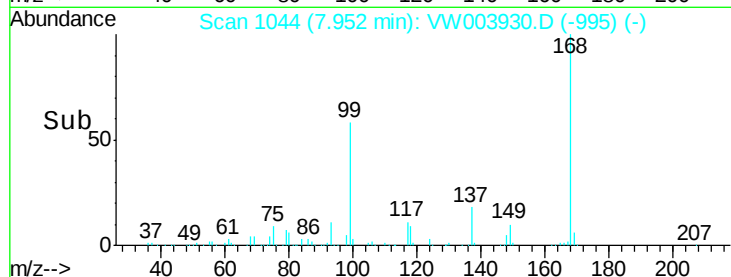
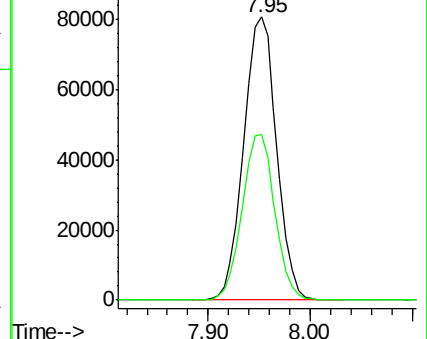
168 100

99 58.4 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: 13.612 ug/l

RT: 5.12 min Scan# 580

Delta R.T. -0.10 min

Lab File: VW003930.D

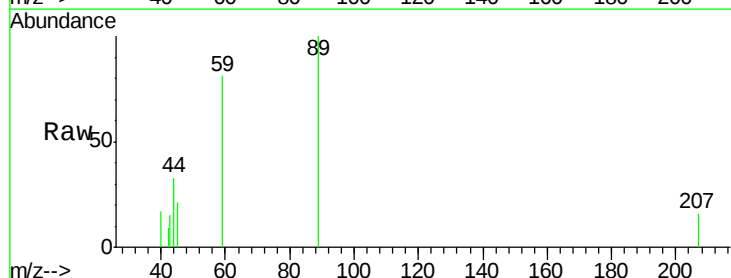
Acq: 13 Jul 2018 21:55

Tgt Ion: 59 Resp: 1744

Ion Ratio Lower Upper

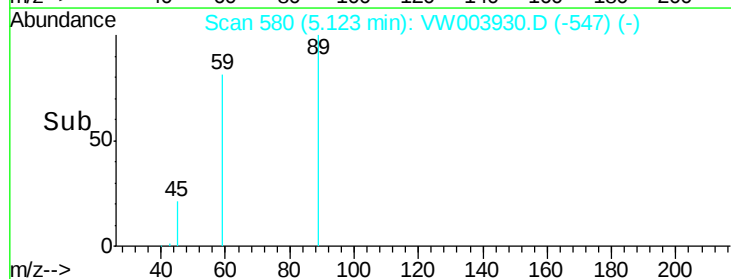
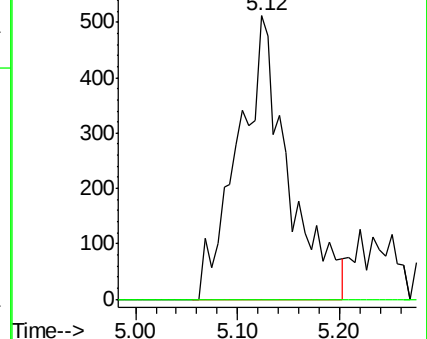
59 100

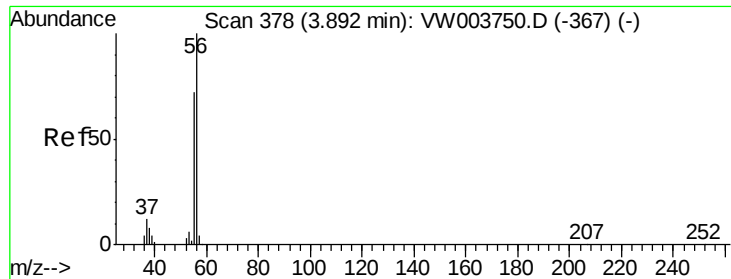
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 5.212 ug/l

RT: 3.62 min Scan# 333

Delta R.T. -0.27 min

Lab File: VW003930.D

Acq: 13 Jul 2018 21:55

Instrument :

MSVOA_W

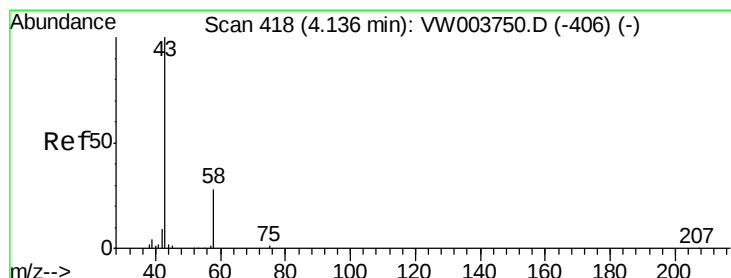
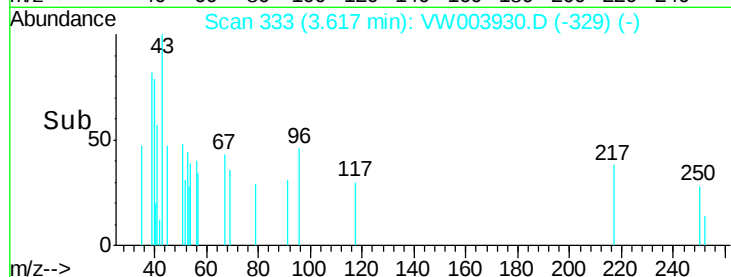
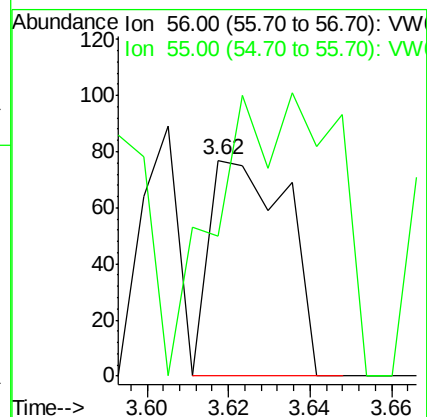
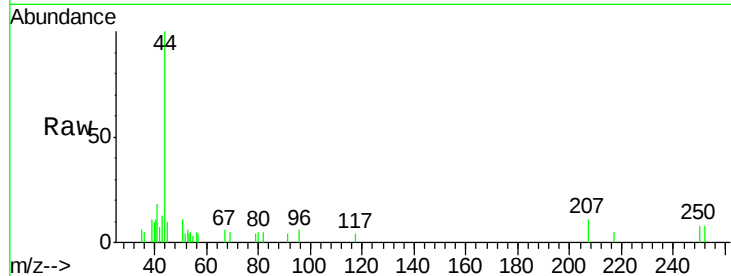
ClientSampled :

Tot Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 198.0 57.5 86.3#



#16

Acetone

Concen: 2.479 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW003930.D

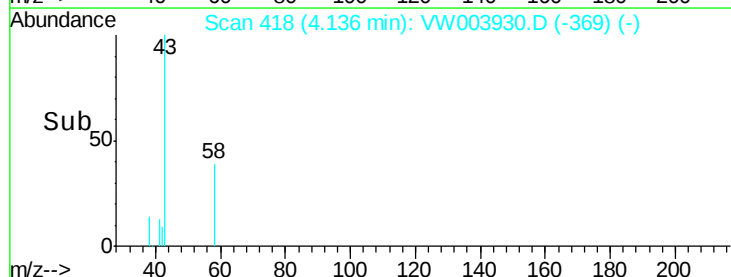
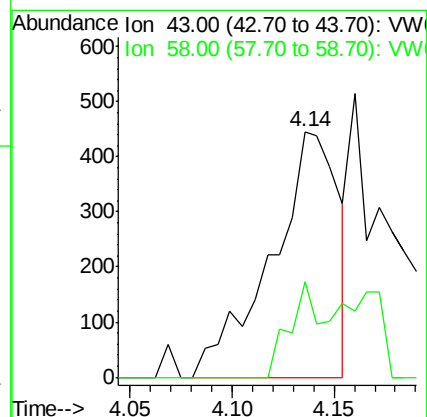
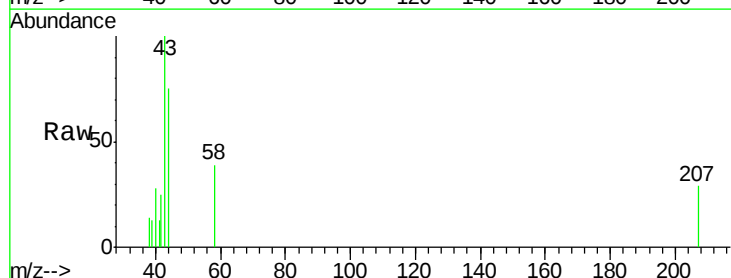
Acq: 13 Jul 2018 21:55

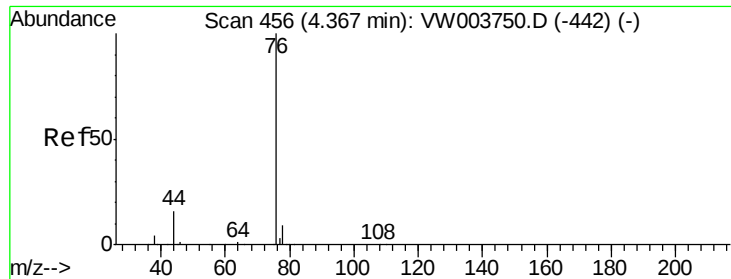
Tgt Ion: 43 Resp: 1017

Ion Ratio Lower Upper

43 100

58 38.8 22.6 34.0#





#17

Carbon Disulfide

Concen: 1.370 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003930.D

Acq: 13 Jul 2018 21:55

Instrument :

MSVOA_W

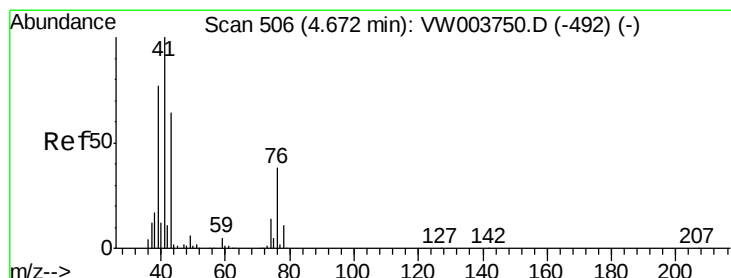
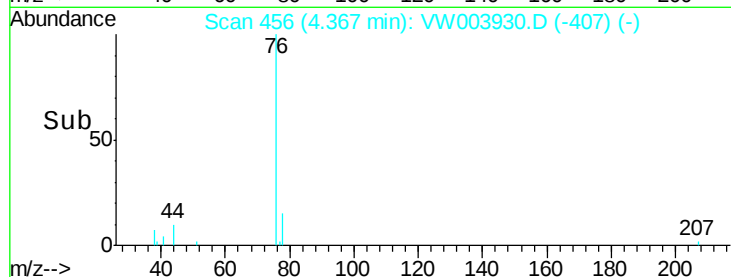
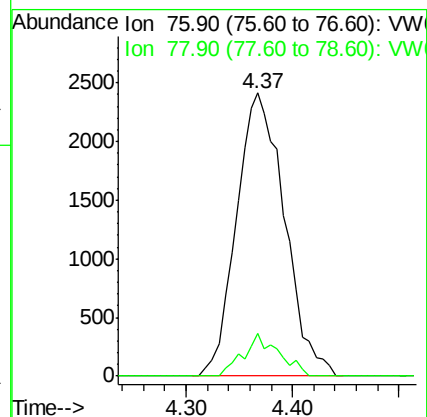
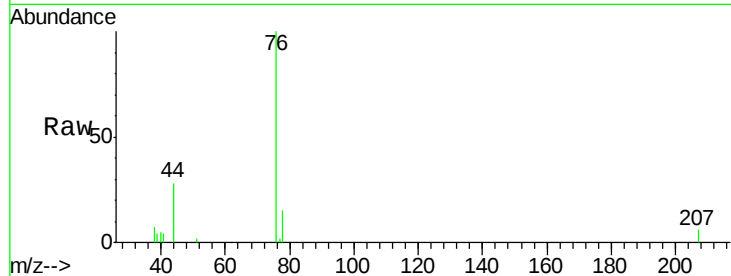
ClientSampled :

Tot Ion: 76 Resp: 7629

Ion Ratio Lower Upper

76 100

78 15.3 7.4 11.2#



#18

Methyl Acetate

Concen: 1.040 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW003930.D

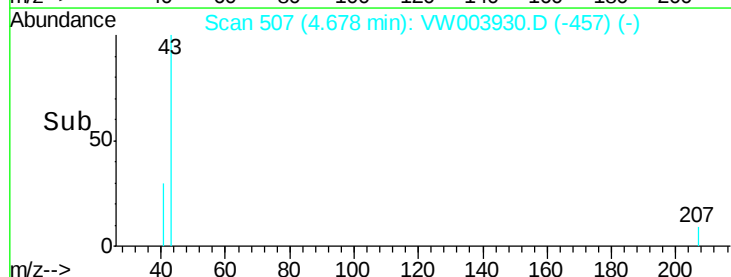
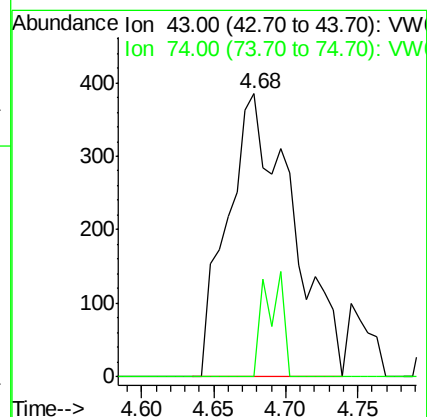
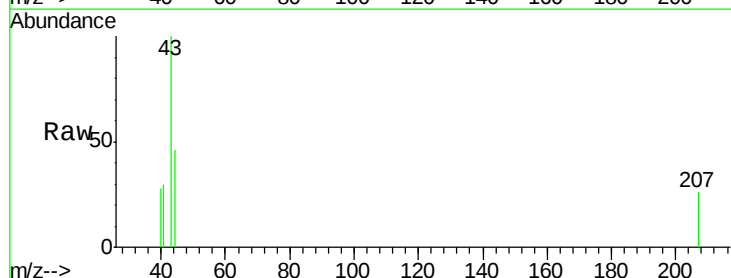
Acq: 13 Jul 2018 21:55

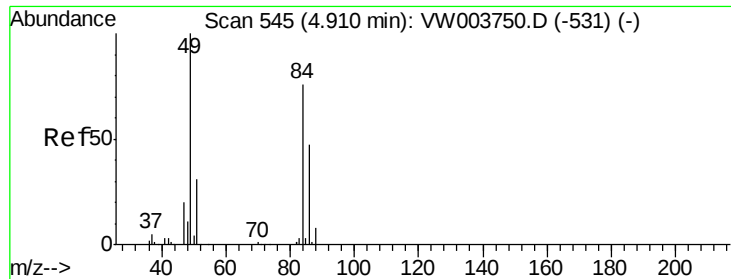
Tgt Ion: 43 Resp: 1203

Ion Ratio Lower Upper

43 100

74 10.5 17.3 25.9#

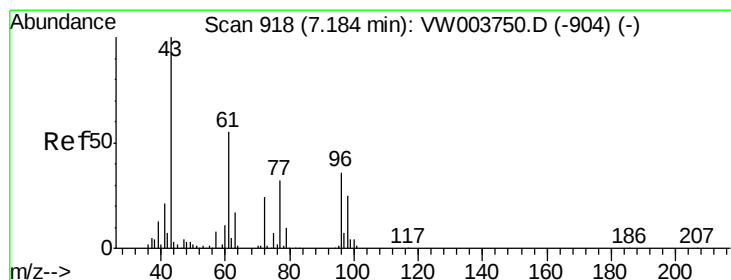
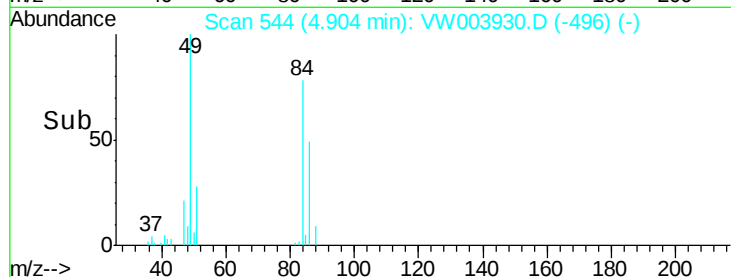
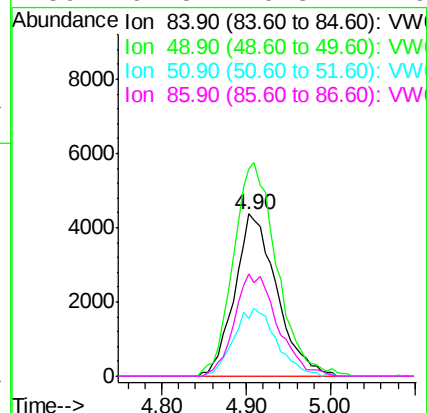
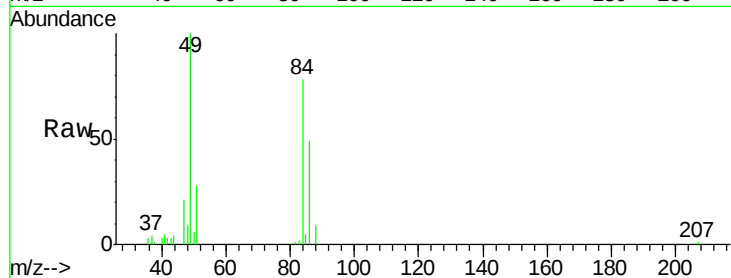




#20
Methvlene Chloride
Concen: 3.325 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003930.D
Acq: 13 Jul 2018 21:55

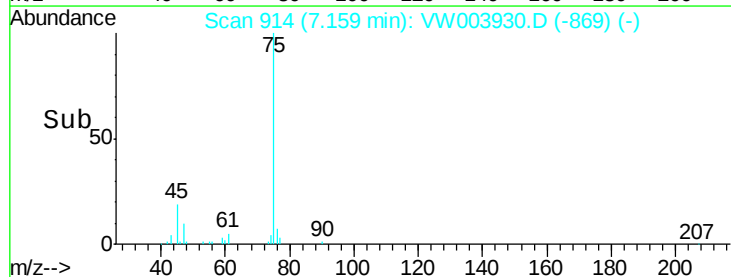
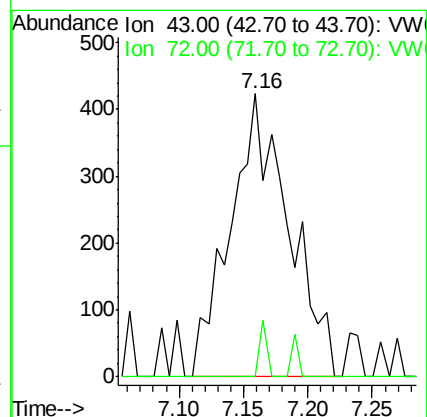
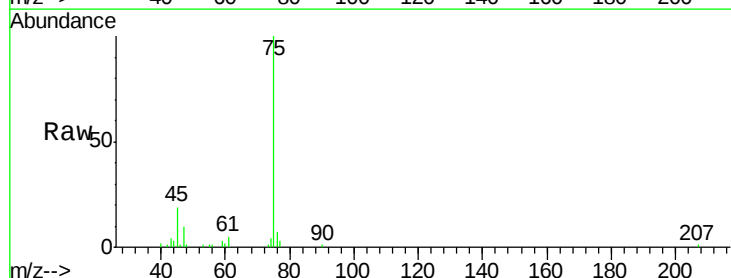
Instrument :
MSVOA_W
ClientSampled :

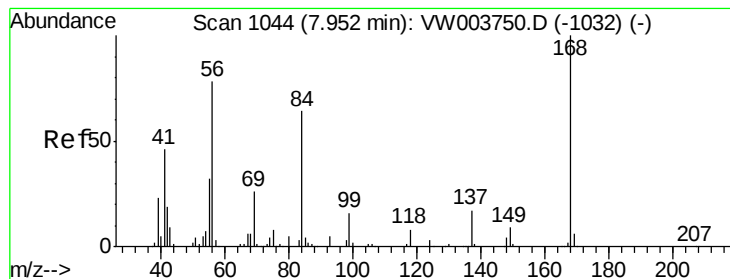
Tot Ion: 84 Resp: 14829
Ion Ratio Lower Upper
84 100
49 127.9 105.1 157.7
51 35.4 32.5 48.7
86 62.8 49.8 74.6



#25
2-Butanone
Concen: 2.086 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW003930.D
Acq: 13 Jul 2018 21:55

Tgt Ion: 43 Resp: 1340
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#31

Cyclohexane

Concen: 1.345 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003930.D

Acq: 13 Jul 2018 21:55

Instrument :
MSVOA_W
ClientSampled :

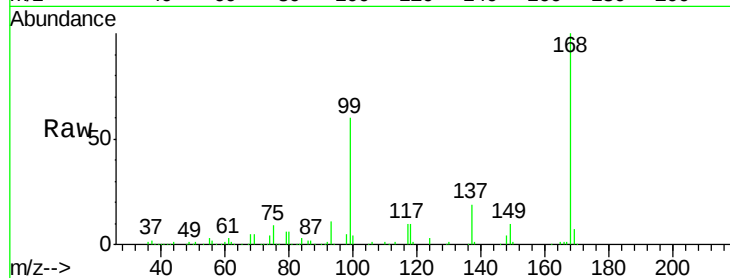
Tot Ion: 56 Resp: 4640

Ion Ratio Lower Upper

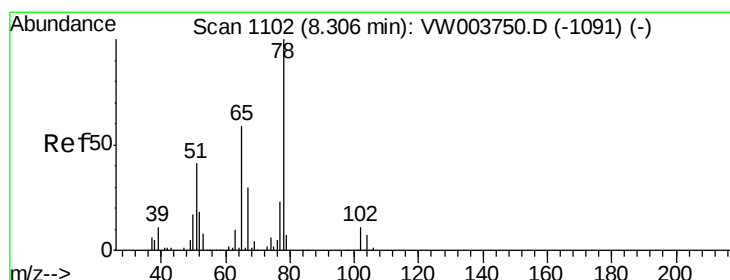
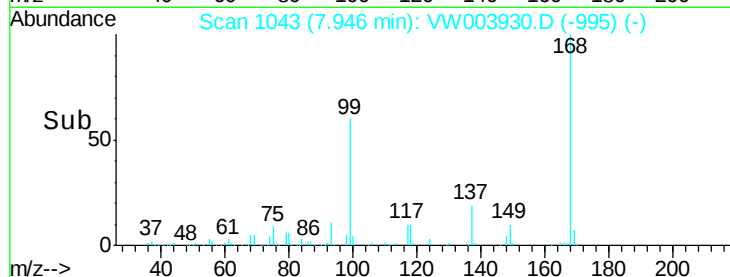
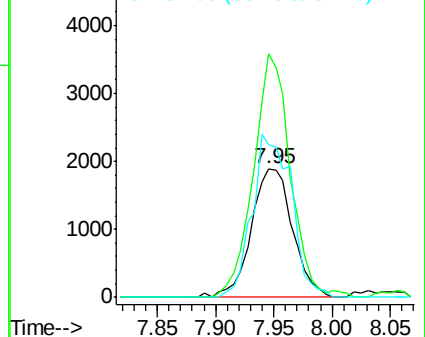
56 100

69 188.8 26.2 39.4#

84 118.5 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: 57.322 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003930.D

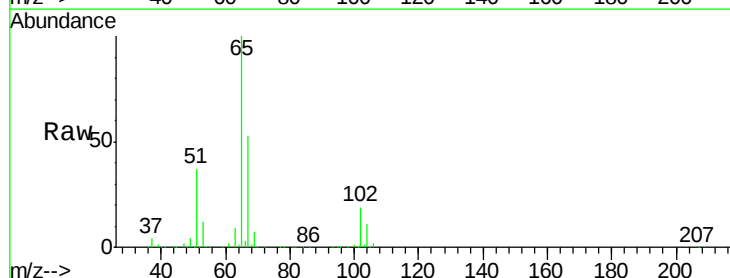
Acq: 13 Jul 2018 21:55

Tgt Ion: 65 Resp: 135521

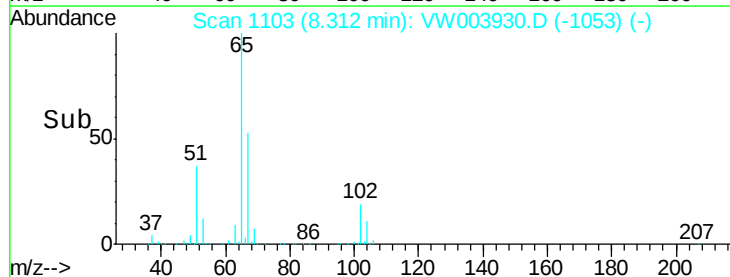
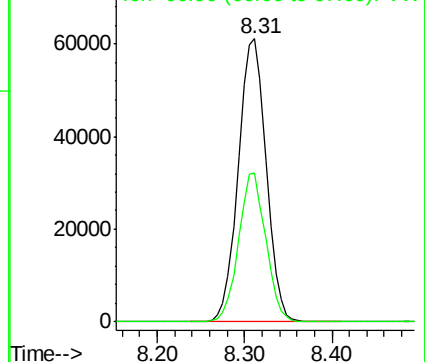
Ion Ratio Lower Upper

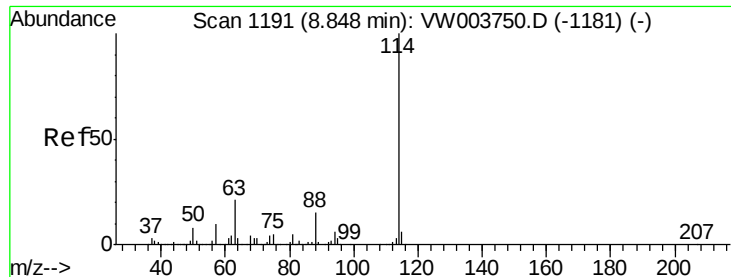
65 100

67 51.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

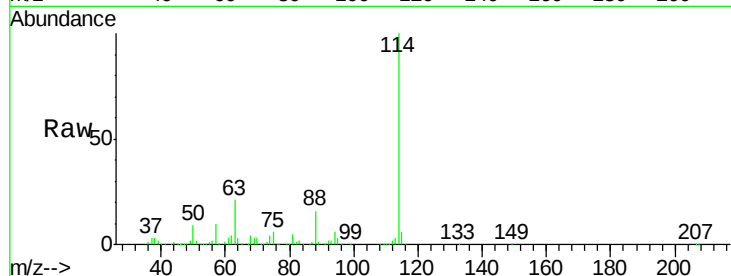




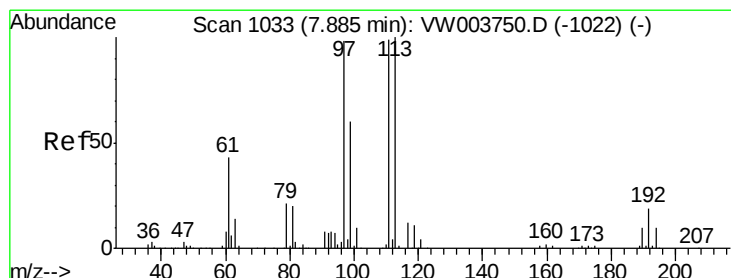
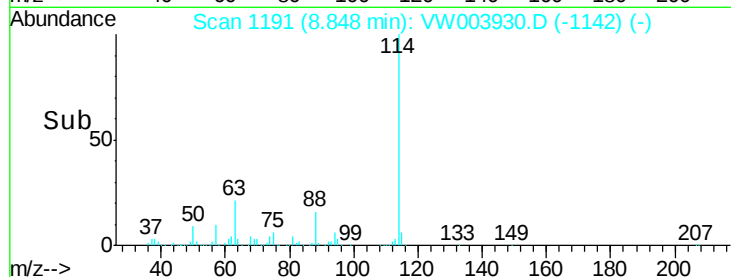
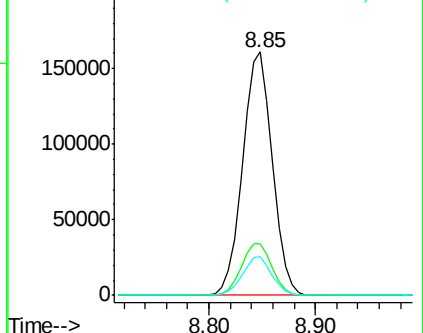
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003930.D
 Acq: 13 Jul 2018 21:55

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.8
88	15.9	0.0	30.2

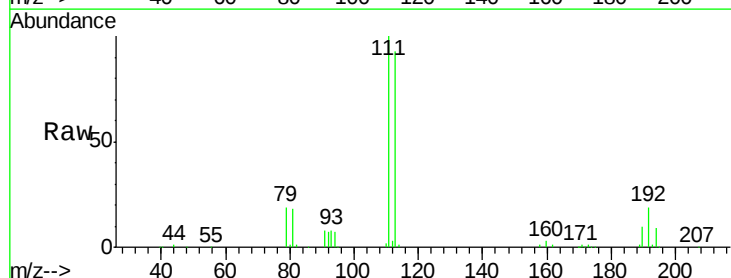


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

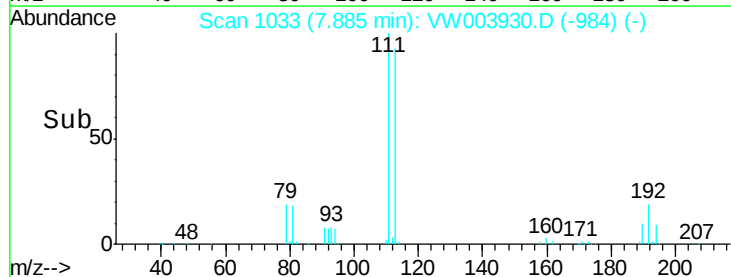
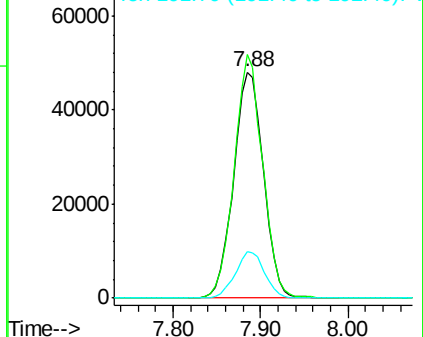


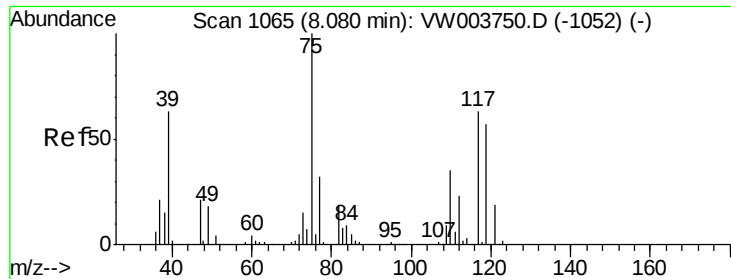
#35
 Dibromofluoromethane
 Concen: 51.855 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003930.D
 Acq: 13 Jul 2018 21:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.7	122.5
192	20.1	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

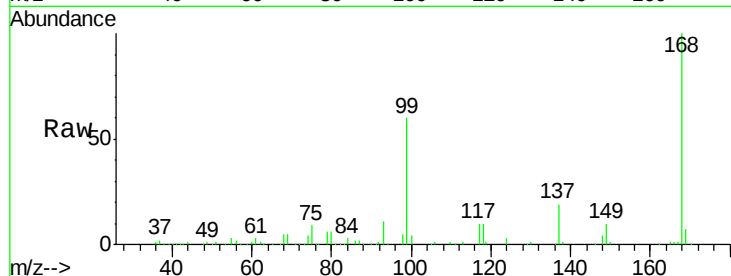




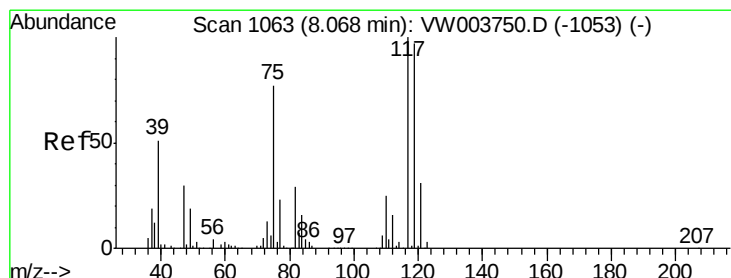
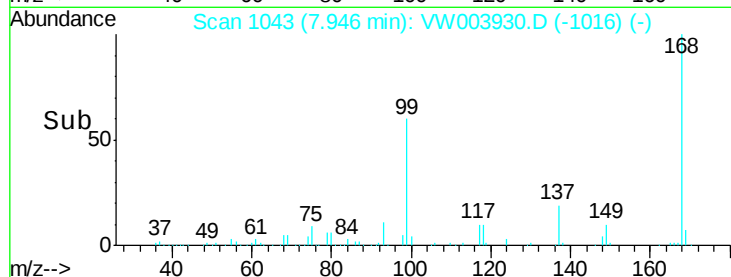
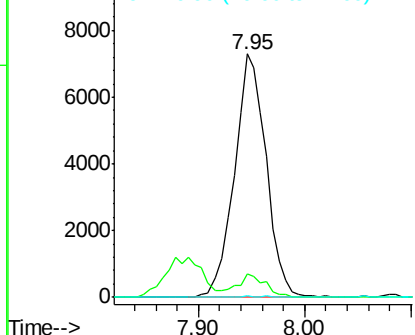
#36
 1,1-Dichloropropene
 Concen: 4.558 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003930.D
 Acq: 13 Jul 2018 21:55

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 15222
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.9 50.6#
 77 0.1 24.8 37.2#

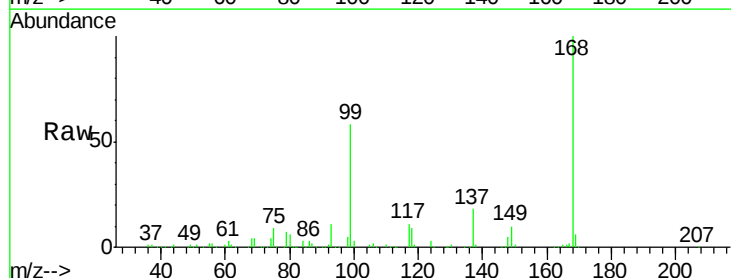


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

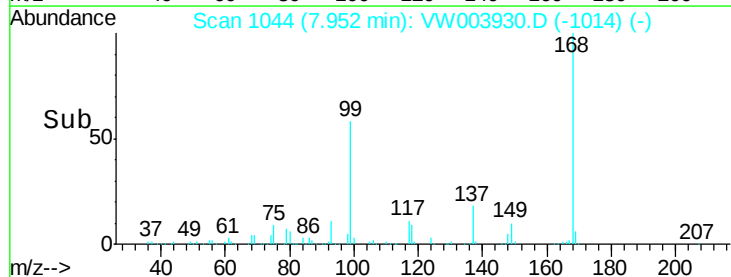
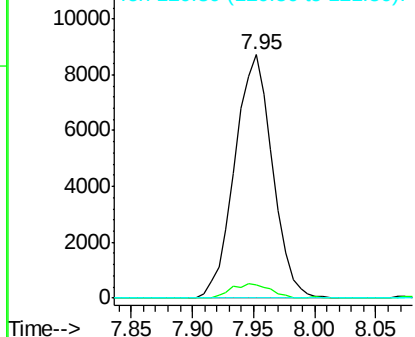


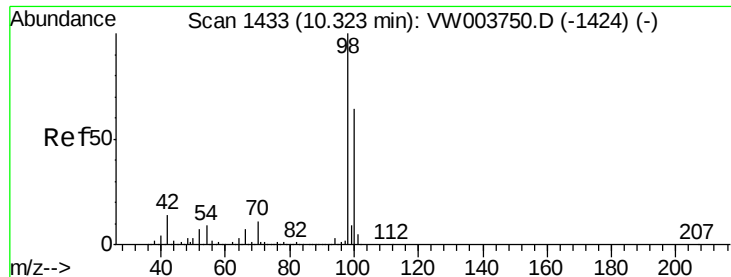
#38
 Carbon Tetrachloride
 Concen: 5.866 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003930.D
 Acq: 13 Jul 2018 21:55

Tgt Ion: 117 Resp: 18625
 Ion Ratio Lower Upper
 117 100
 119 5.5 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: 42.968 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003930.D

Acq: 13 Jul 2018 21:55

Instrument :

MSVOA_W

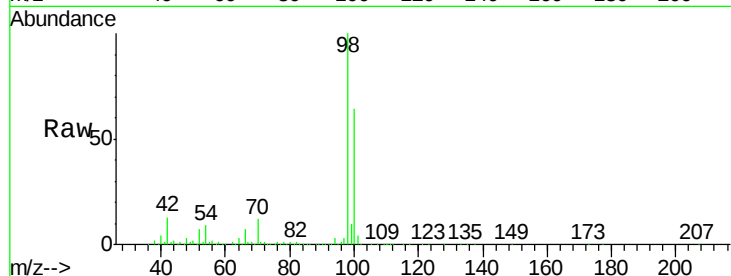
ClientSampled :

Tot Ion: 98 Resp: 362056

Ion Ratio Lower Upper

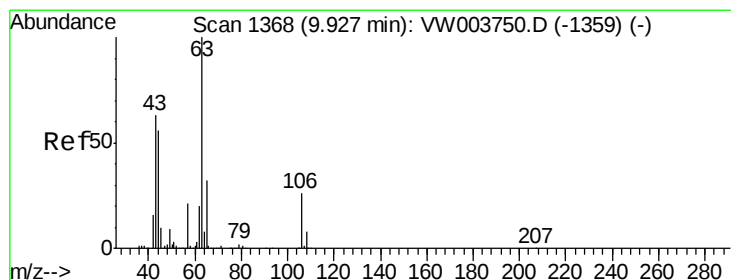
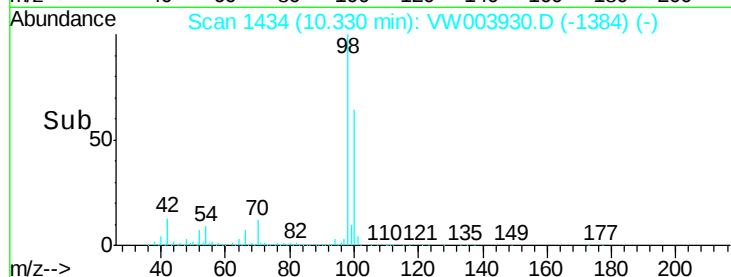
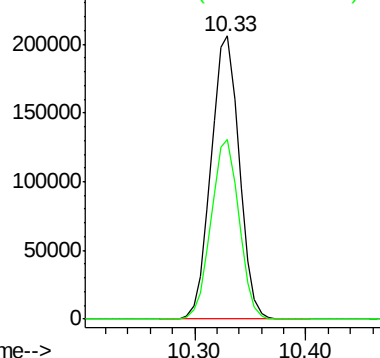
98 100

100 63.0 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: 13.204 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VW003930.D

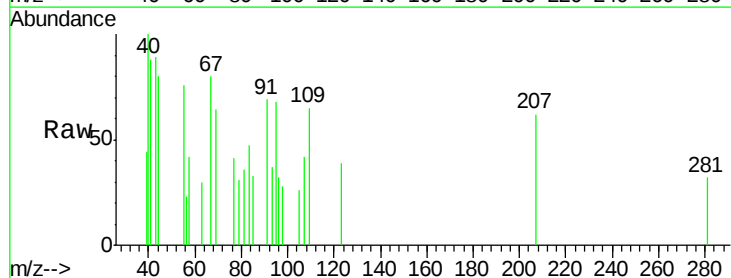
Acq: 13 Jul 2018 21:55

Tgt Ion: 63 Resp: 44

Ion Ratio Lower Upper

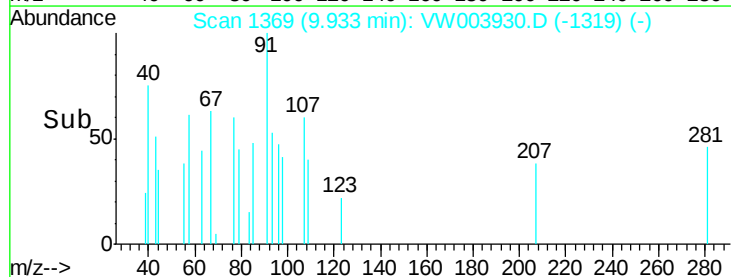
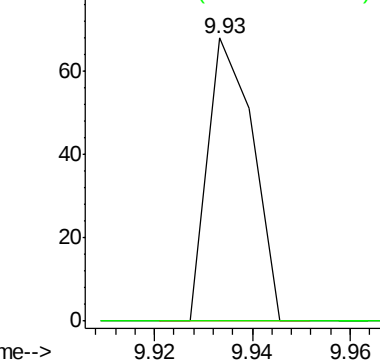
63 100

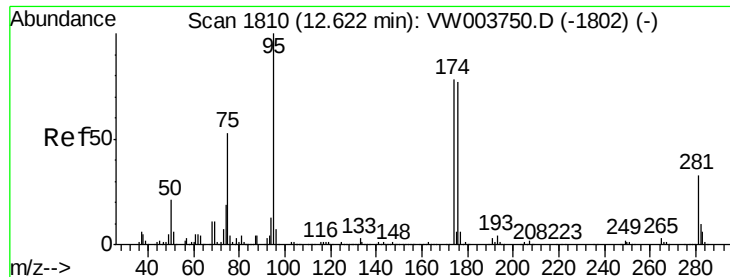
106 0.0 20.9 31.3#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): VW





#62

4-Bromofluorobenzene

Concen: 45.030 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003930.D

Acq: 13 Jul 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

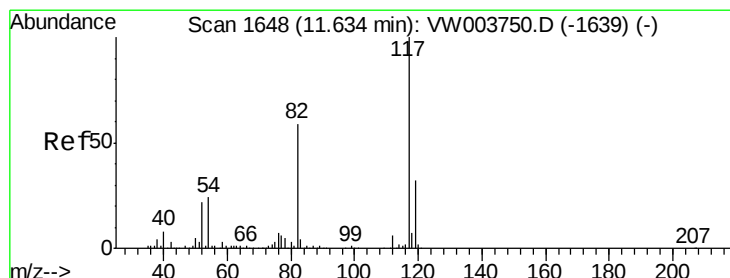
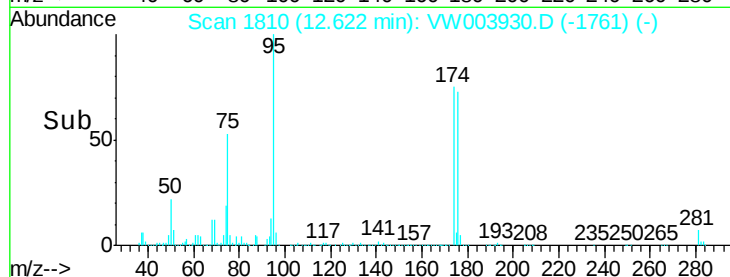
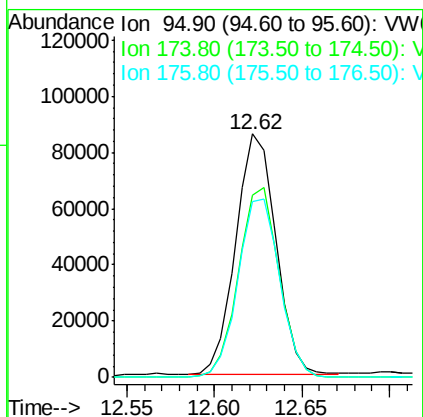
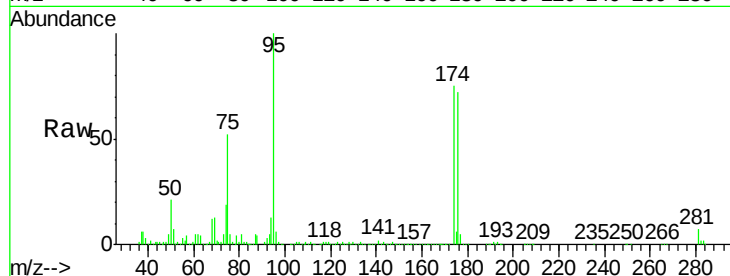
Tot Ion: 95 Resp: 137284

Ion Ratio Lower Upper

95 100

174 79.6 0.0 163.4

176 76.6 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: VW003930.D

Acq: 13 Jul 2018 21:55

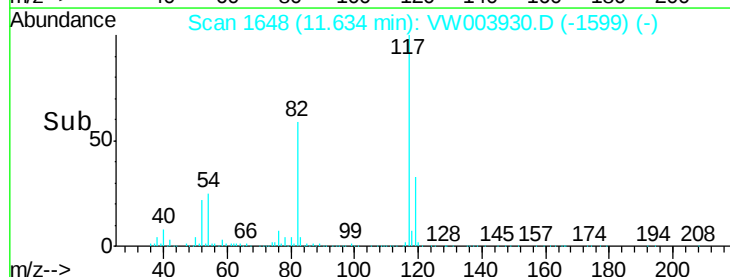
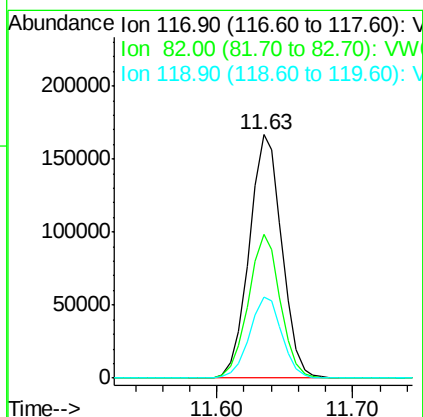
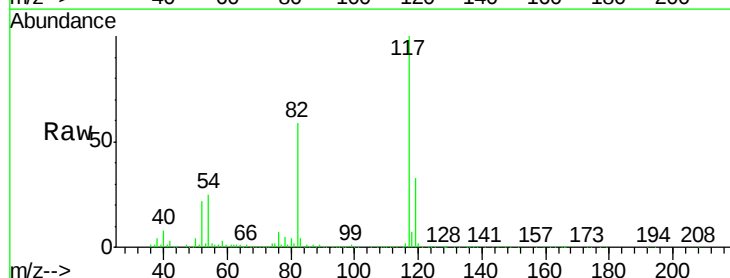
Tgt Ion: 117 Resp: 279528

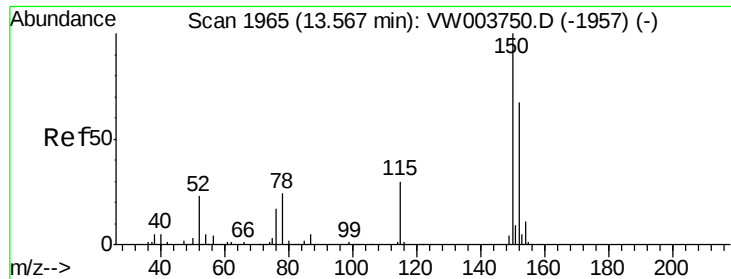
Ion Ratio Lower Upper

117 100

82 58.8 46.9 70.3

119 33.2 25.5 38.3



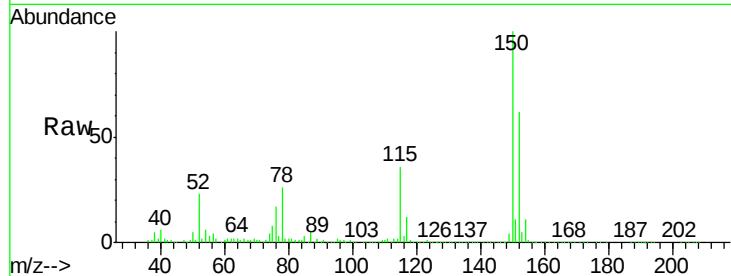


#72

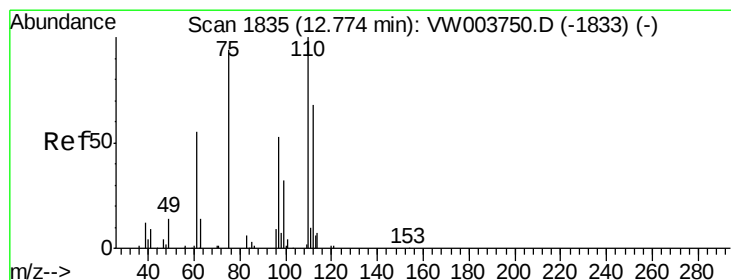
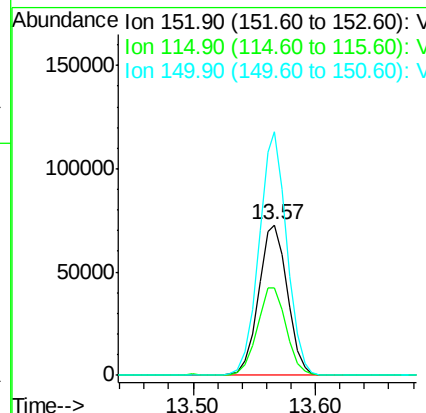
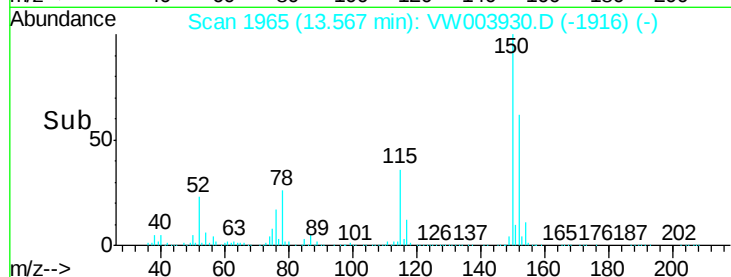
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003930.D
Acq: 13 Jul 2018 21:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 119132
Ion Ratio Lower Upper
152 100
115 58.0 28.9 86.8
150 155.4 0.0 342.4



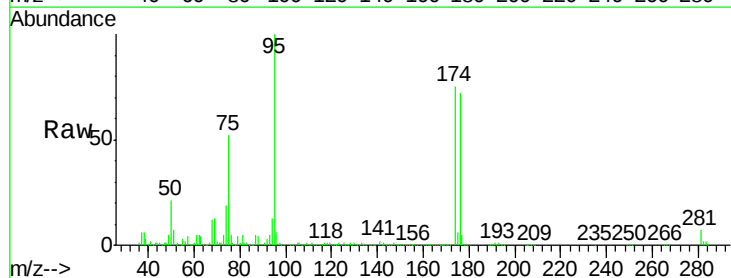
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



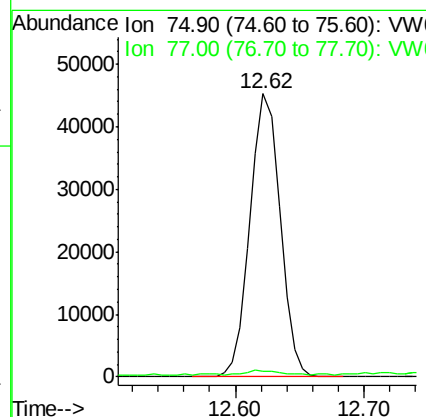
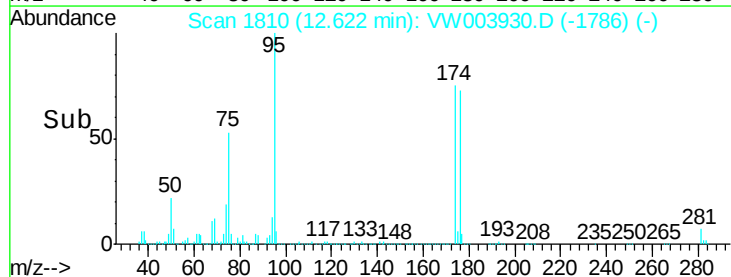
#76

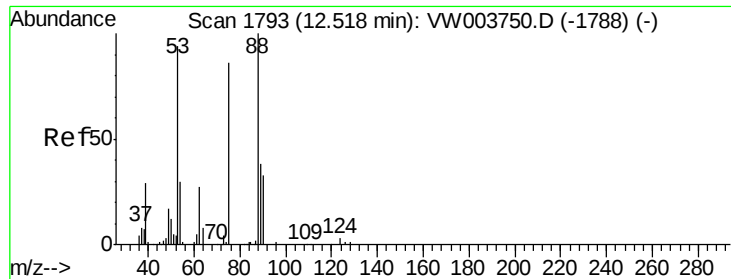
1,2,3-Trichloropropane
Concen: 62.634 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003930.D
Acq: 13 Jul 2018 21:55

Tgt Ion: 75 Resp: 73273
Ion Ratio Lower Upper
75 100
77 1.8 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: 153.218 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003930.D

Acq: 13 Jul 2018 21:55

Instrument :

MSVOA_W

ClientSampleId :

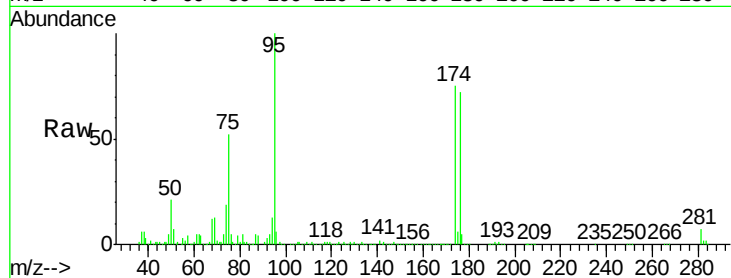
Tot Ion: 75 Resp: 73273

Ion Ratio Lower Upper

75 100

53 0.3 85.0 127.6#

89 0.2 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

