

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003932.D
 Acq On : 13 Jul 2018 22:47
 Operator : VA/AP
 Sample : J3542-09
 Misc : 6.45G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 23:55:36 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	192454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	327114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	115836	50.00	ug/l	0.00

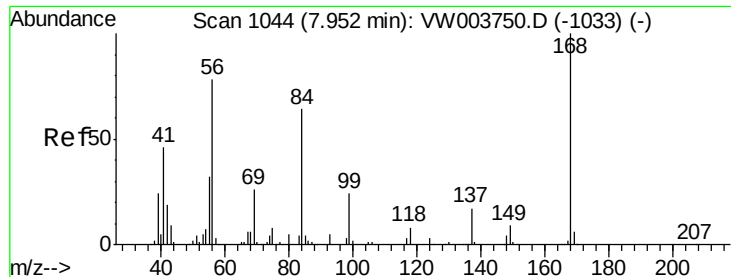
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135123	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
35) Dibromofluoromethane	7.88	113	116103	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
50) Toluene-d8	10.33	98	339576	38.78	ug/l	0.00
Spiked Amount			Recovery	=	77.56%	
62) 4-Bromofluorobenzene	12.62	95	125376	39.57	ug/l	0.00
Spiked Amount			Recovery	=	79.14%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.21	59	159	1.166	ug/l #	70
13) Acrolein	4.07	56	23	4.842	ug/l #	14
16) Acetone	4.14	43	14494	33.194	ug/l	97
17) Carbon Disulfide	4.37	76	8776	1.481	ug/l	97
18) Methyl Acetate	4.67	43	6423	5.217	ug/l #	77
20) Methylene Chloride	4.90	84	22514	6.791	ug/l	97
25) 2-Butanone	7.16	43	2082	3.044	ug/l #	86
26) 2,2-Dichloropropane	7.15	77	2350	1.037	ug/l #	53
31) Cyclohexane	7.95	56	4820	1.312	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	15841	4.564	ug/l #	51
37) Ethyl Acetate	7.16	43	2082	1.233	ug/l #	1
38) Carbon Tetrachloride	7.95	117	19495	5.908	ug/l #	17
59) 2-Hexanone	10.94	43	1264	1.111	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	68261	60.010	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68261	146.799	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003932.D

Acq: 13 Jul 2018 22:47

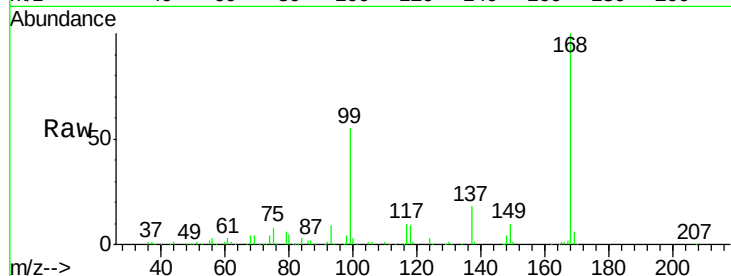
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 192454

Ion Ratio Lower Upper

168 100

99 55.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

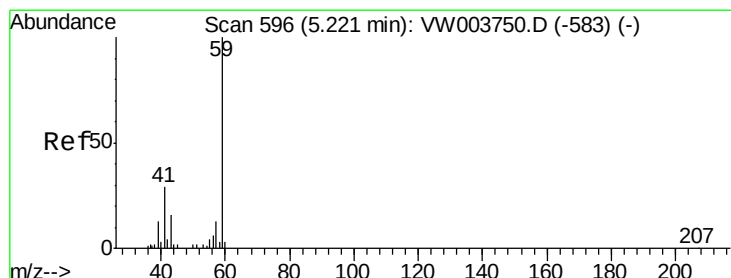
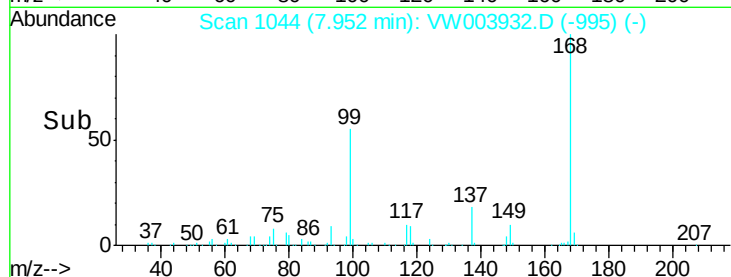
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.166 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.01 min

Lab File: VW003932.D

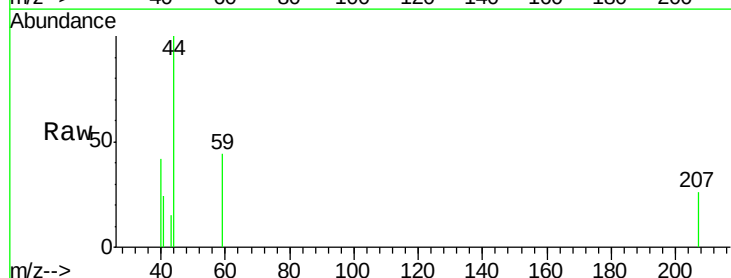
Acq: 13 Jul 2018 22:47

Tgt Ion: 59 Resp: 159

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

5.21

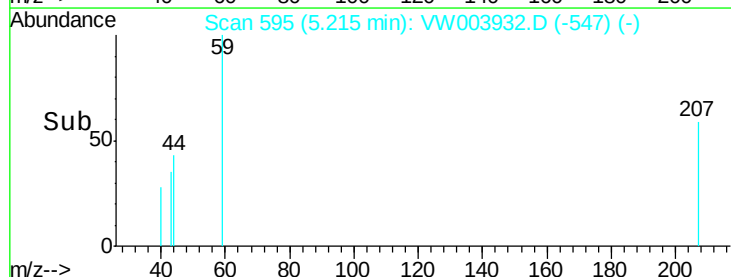
150

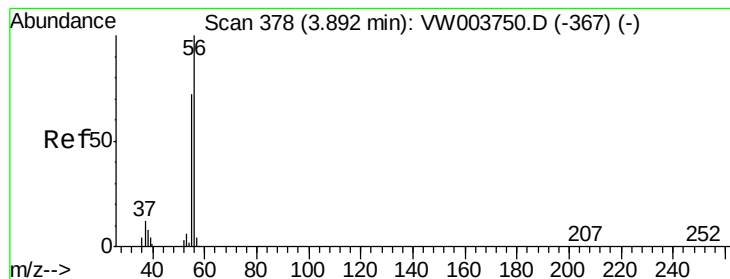
100

50

0

Time-->





#13

Acrolein

Concen: 4.842 ug/l

RT: 4.07 min Scan# 408

Delta R.T. 0.18 min

Lab File: VW003932.D

Acq: 13 Jul 2018 22:47

Instrument :

MSVOA_W

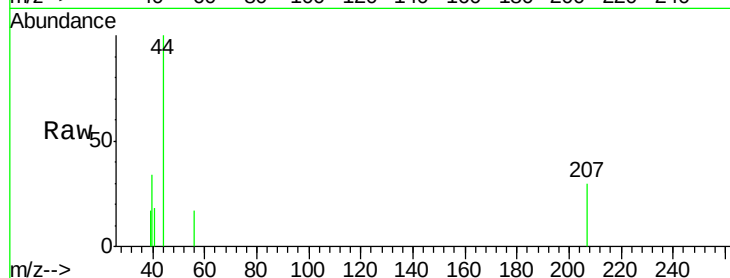
ClientSampled :

Tot Ion: 56 Resp: 23

Ion Ratio Lower Upper

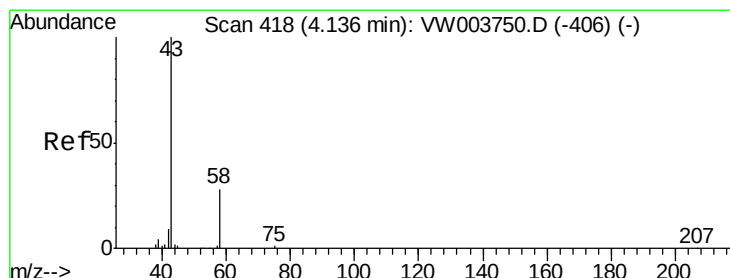
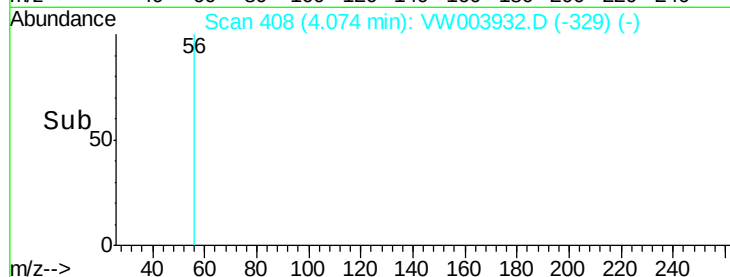
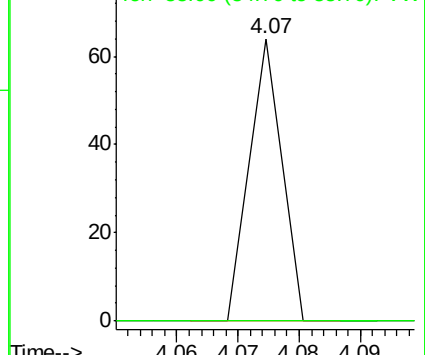
56 100

55 0.0 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: 33.194 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW003932.D

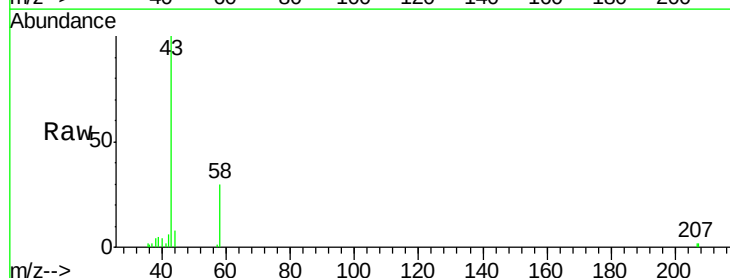
Acq: 13 Jul 2018 22:47

Tgt Ion: 43 Resp: 14494

Ion Ratio Lower Upper

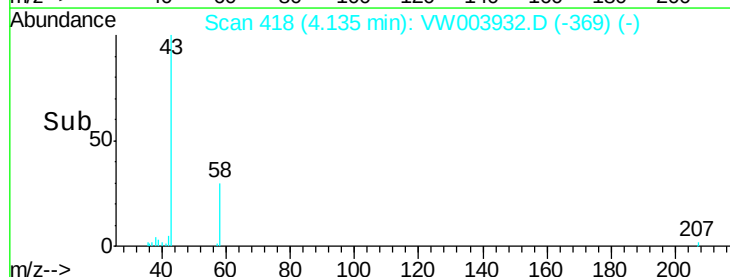
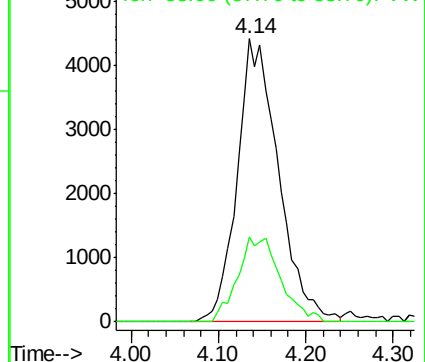
43 100

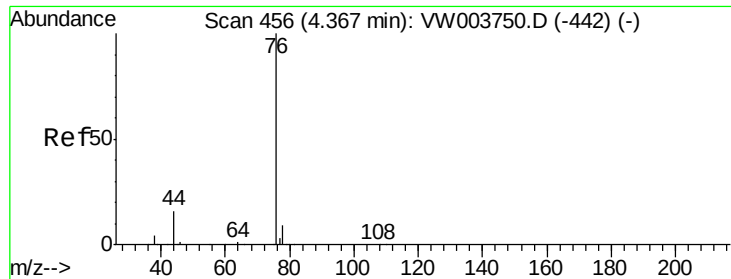
58 29.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.481 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003932.D

Acq: 13 Jul 2018 22:47

Instrument :

MSVOA_W

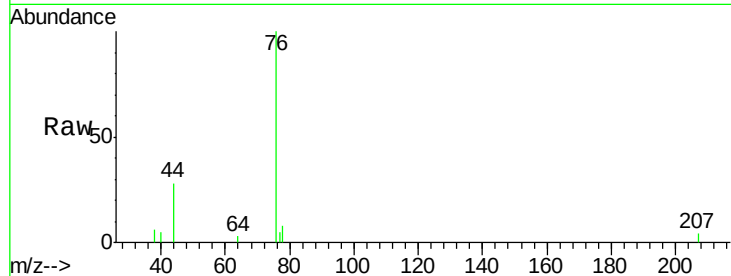
ClientSampled :

Tot Ion: 76 Resp: 8776

Ion Ratio Lower Upper

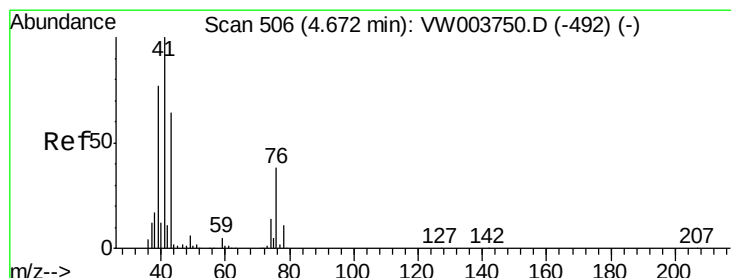
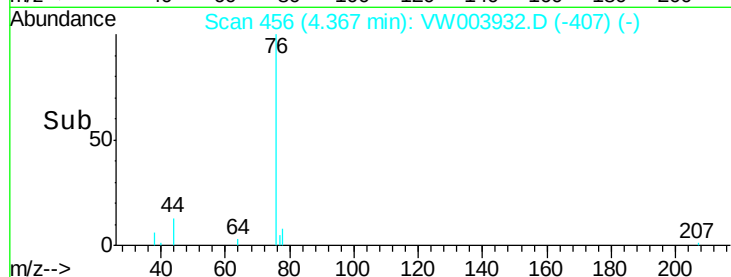
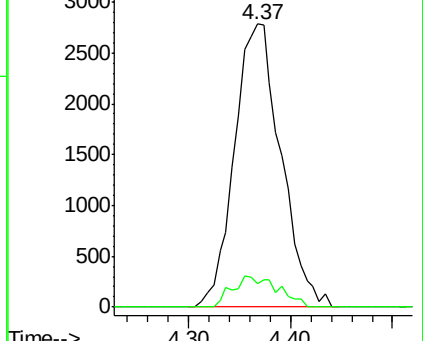
76 100

78 8.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 5.217 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: VW003932.D

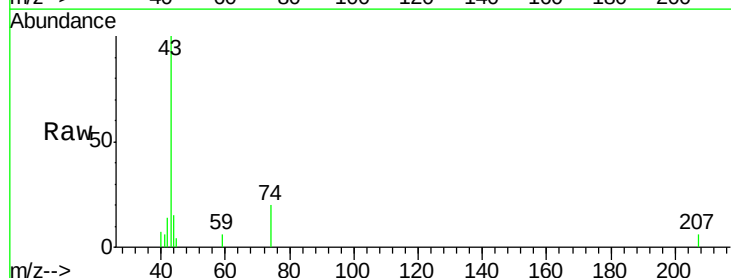
Acq: 13 Jul 2018 22:47

Tgt Ion: 43 Resp: 6423

Ion Ratio Lower Upper

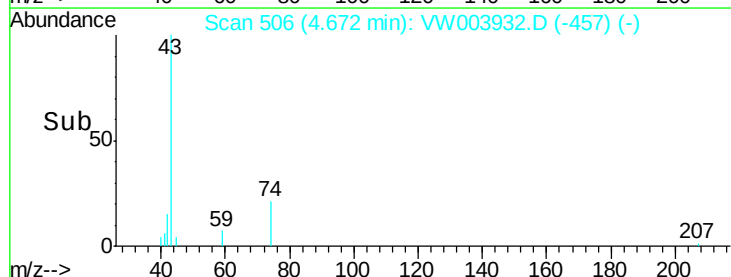
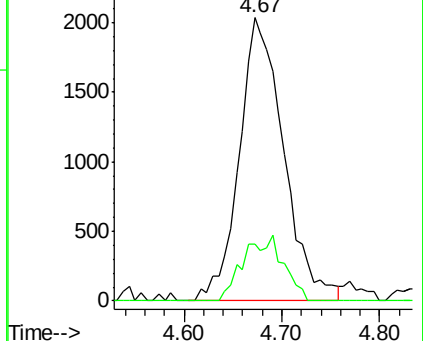
43 100

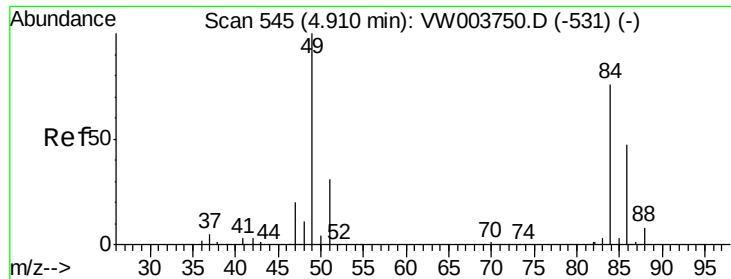
74 10.5 17.3 25.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

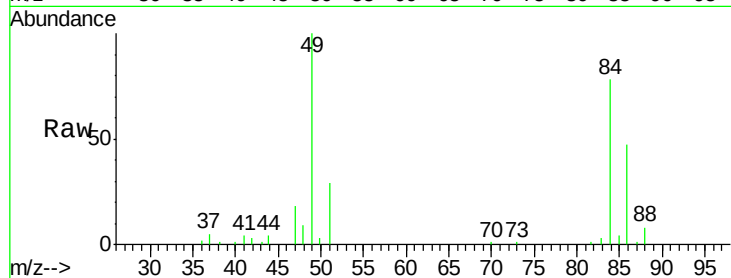




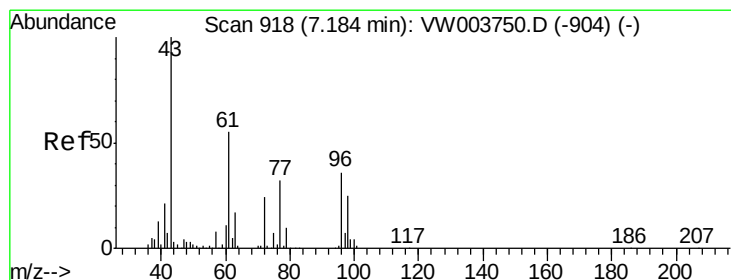
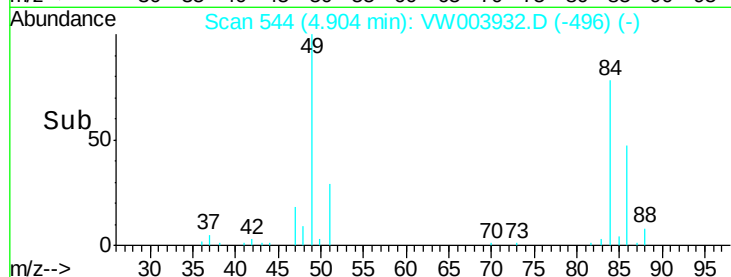
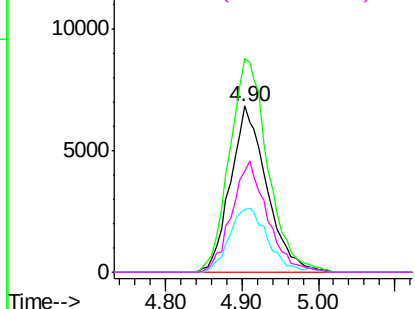
#20
Methvlene Chloride
Concen: 6.791 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003932.D
Acq: 13 Jul 2018 22:47

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 22514
Ion Ratio Lower Upper
84 100
49 128.7 105.1 157.7
51 37.6 32.5 48.7
86 60.9 49.8 74.6

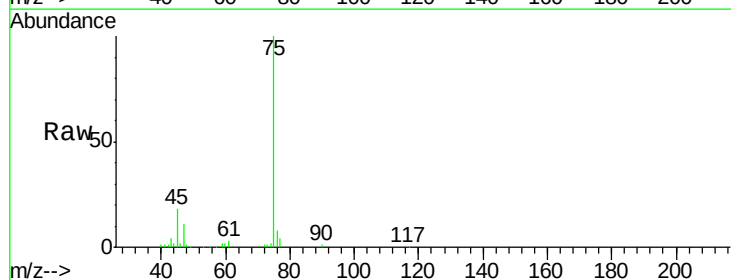


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

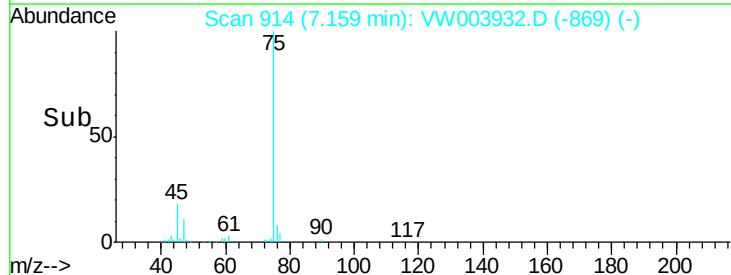
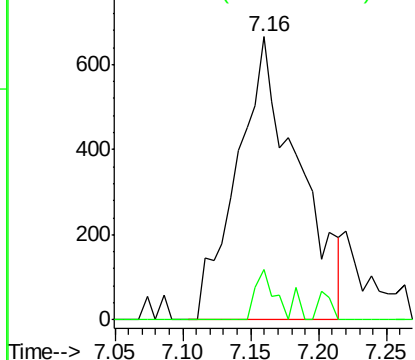


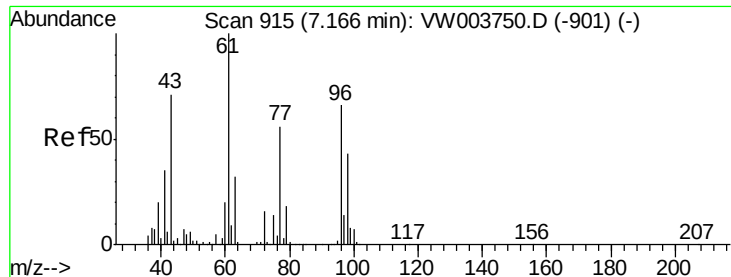
#25
2-Butanone
Concen: 3.044 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW003932.D
Acq: 13 Jul 2018 22:47

Tgt Ion: 43 Resp: 2082
Ion Ratio Lower Upper
43 100
72 17.6 19.4 29.2#



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





#26

2,2-Dichloropropane

Concen: 1.037 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW003932.D

Acq: 13 Jul 2018 22:47

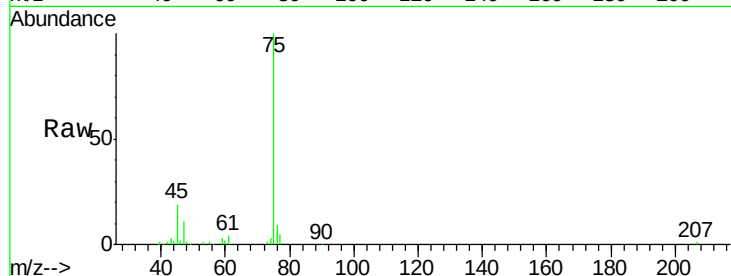
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 77 Resp: 2350

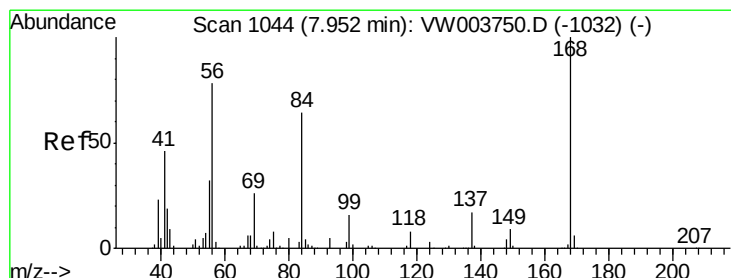
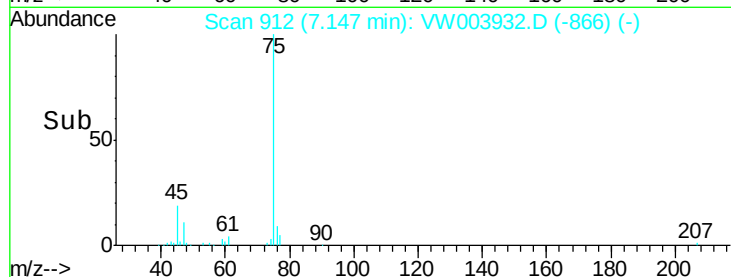
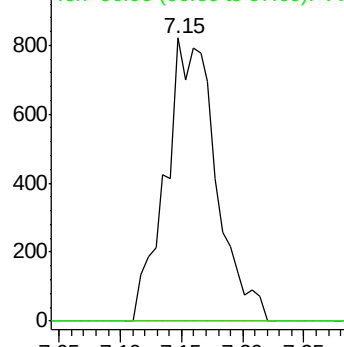
Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.5#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: 1.312 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003932.D

Acq: 13 Jul 2018 22:47

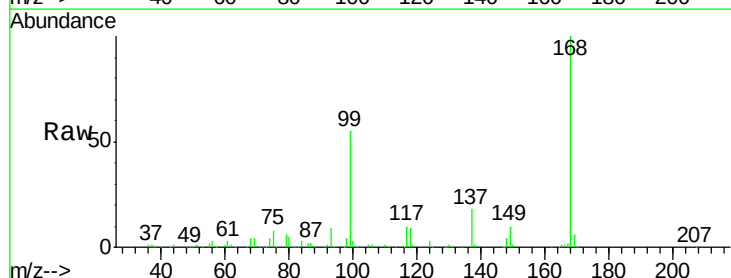
Tgt Ion: 56 Resp: 4820

Ion Ratio Lower Upper

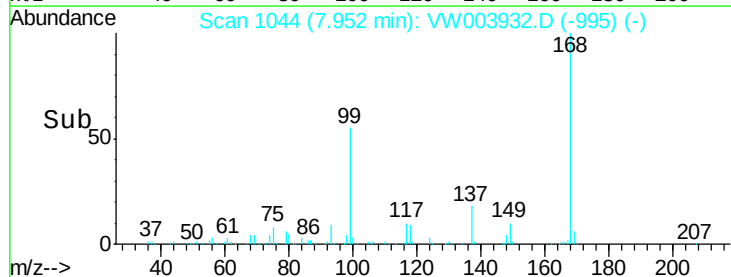
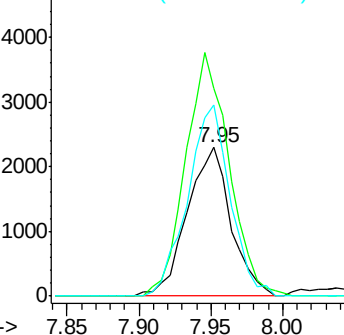
56 100

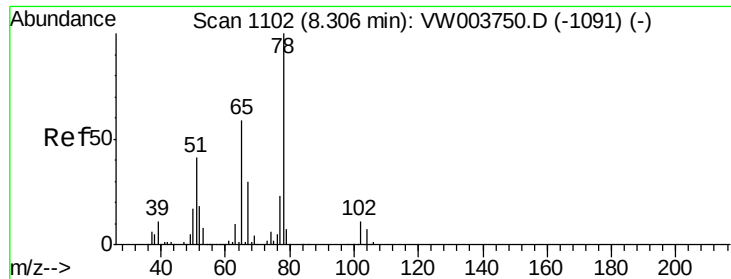
69 139.7 26.2 39.4#

84 129.1 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

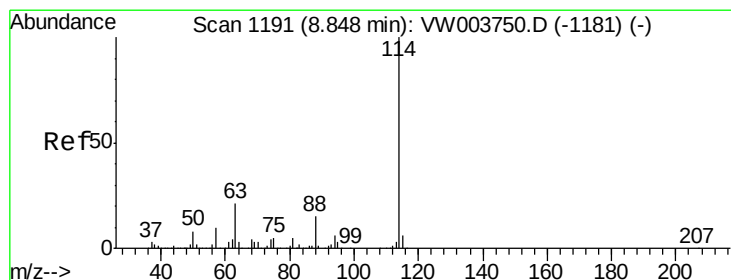
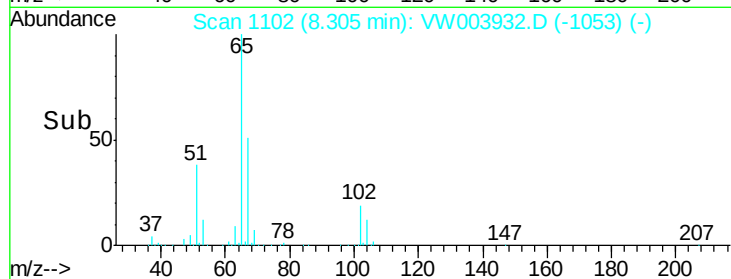
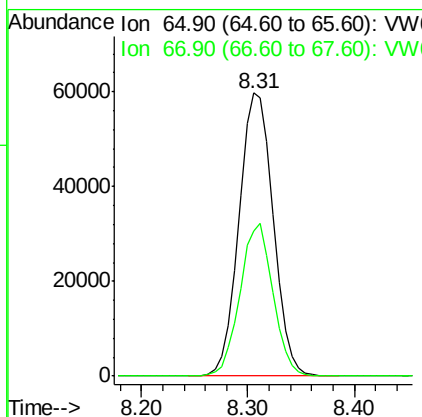
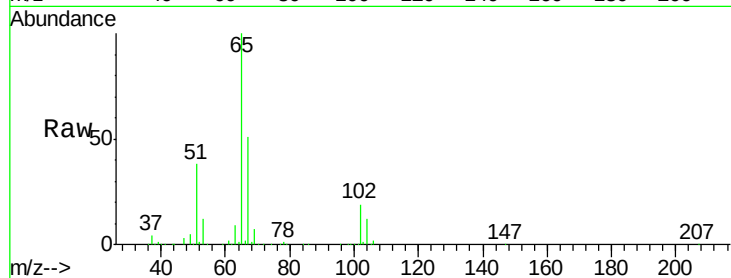




#33
 1,2-Dichloroethane-d4
 Concen: 53.689 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003932.D
 Acq: 13 Jul 2018 22:47

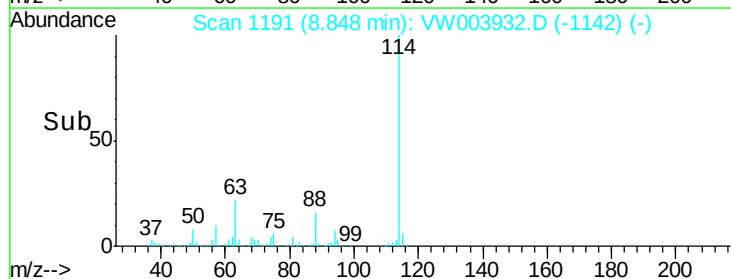
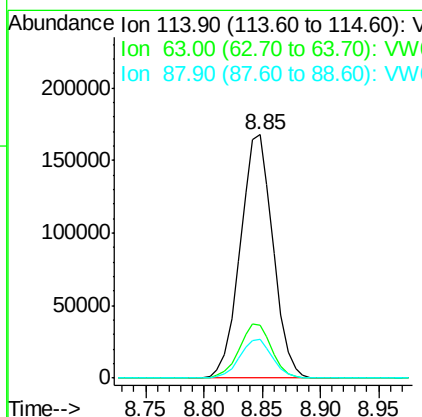
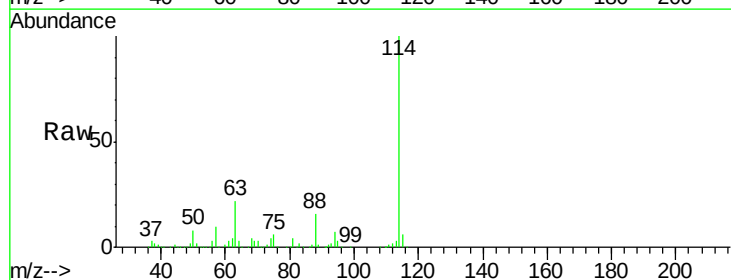
Instrument :
 MSVOA_W
 ClientSampleId :

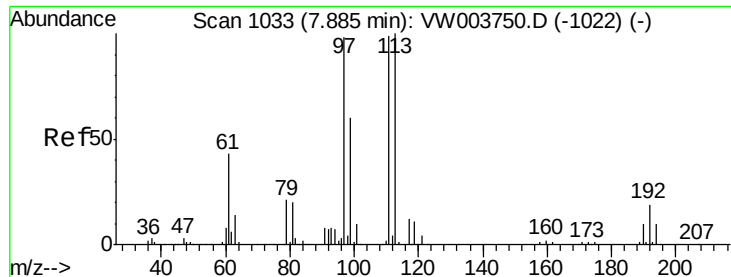
Tot Ion: 65 Resp: 135123
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003932.D
 Acq: 13 Jul 2018 22:47

Tgt Ion: 114 Resp: 327114
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 41.8
 88 15.7 0.0 30.2

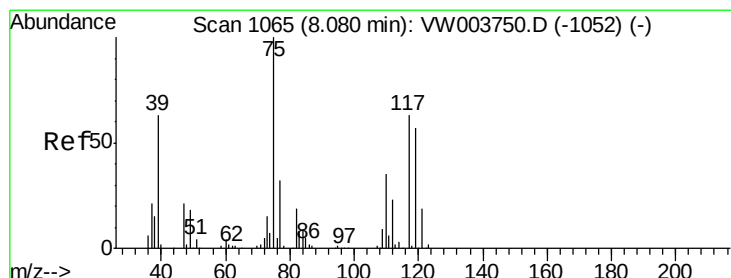
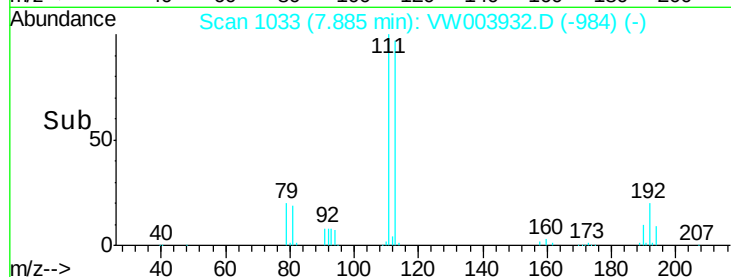
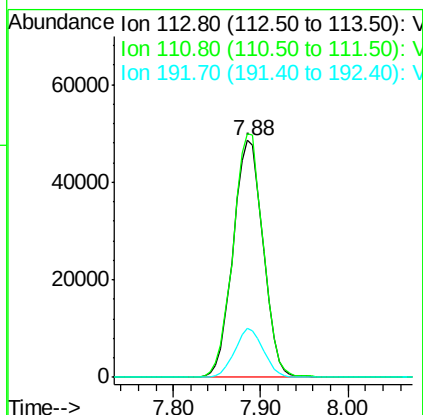
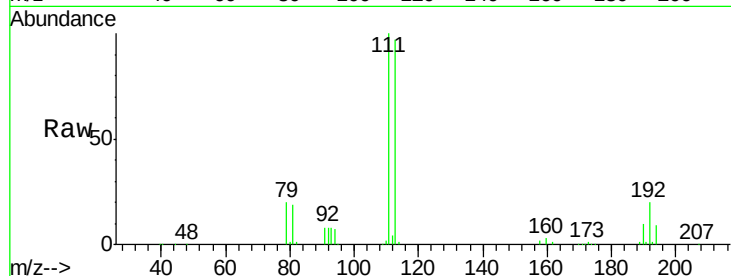




#35
 Dibromofluoromethane
 Concen: 50.713 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003932.D
 Acq: 13 Jul 2018 22:47

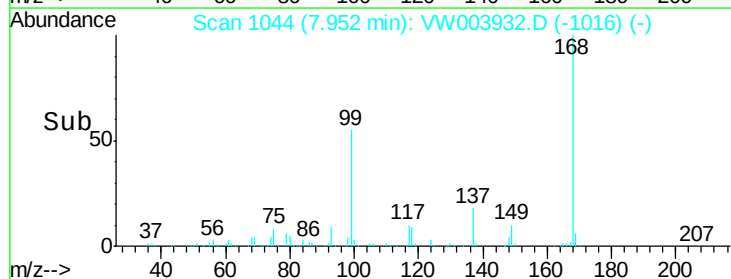
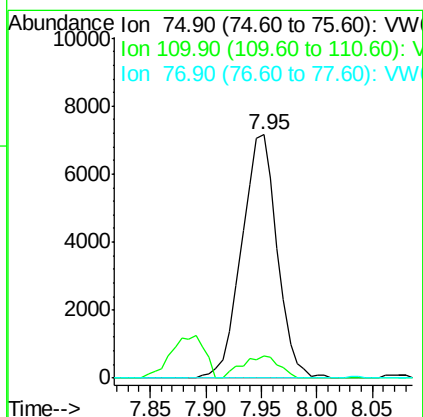
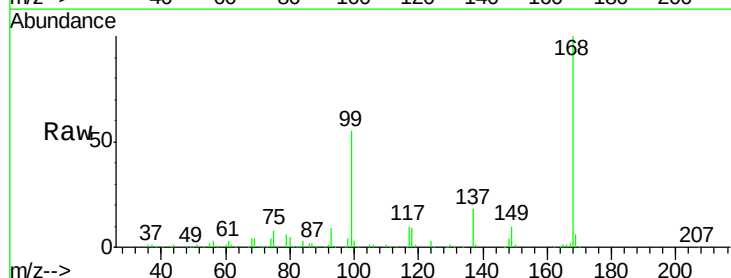
Instrument :
 MSVOA_W
 ClientSampleId :

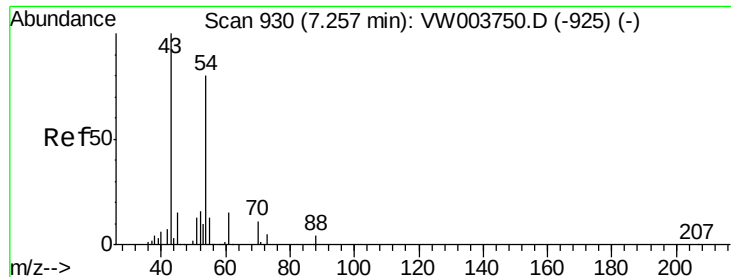
Tot Ion:113 Resp: 116103
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.7 122.5
 192 19.7 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.564 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003932.D
 Acq: 13 Jul 2018 22:47

Tgt Ion: 75 Resp: 15841
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.9 50.6#
 77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.233 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.10 min

Lab File: VW003932.D

Acq: 13 Jul 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

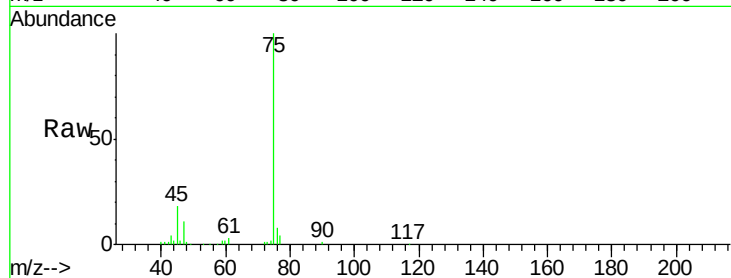
Tot Ion: 43 Resp: 2082

Ion Ratio Lower Upper

43 100

61 88.6 10.6 15.8#

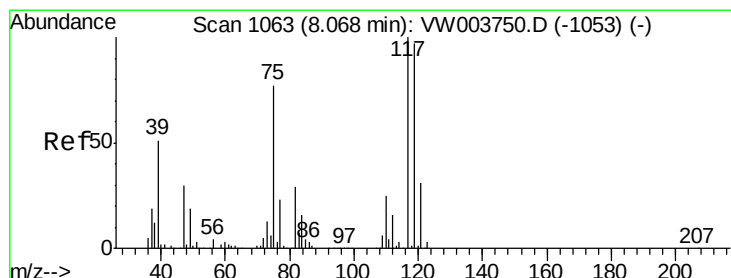
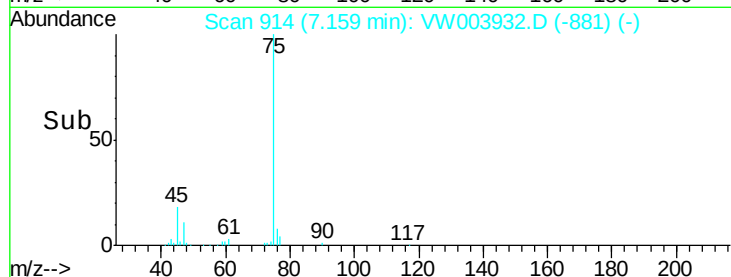
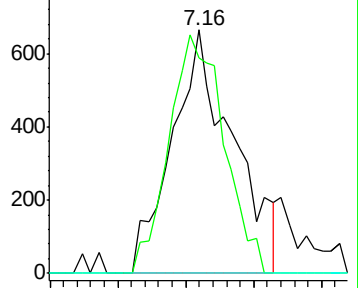
70 0.0 7.5 11.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 5.908 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003932.D

Acq: 13 Jul 2018 22:47

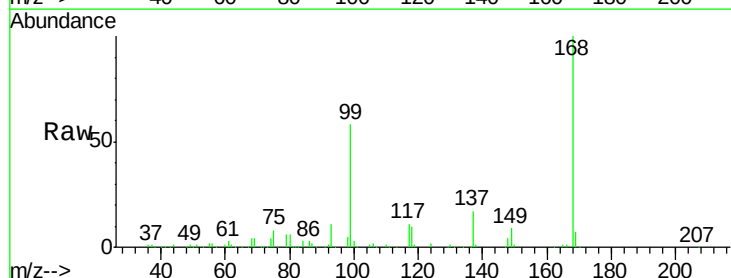
Tgt Ion: 117 Resp: 19495

Ion Ratio Lower Upper

117 100

119 7.0 77.4 116.2#

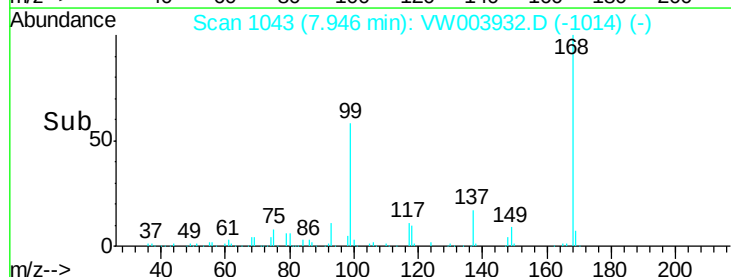
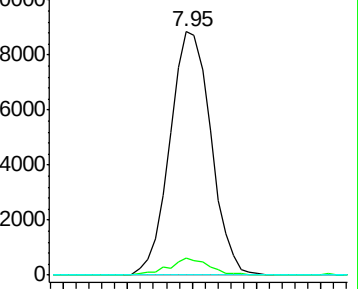
121 0.0 24.6 37.0#

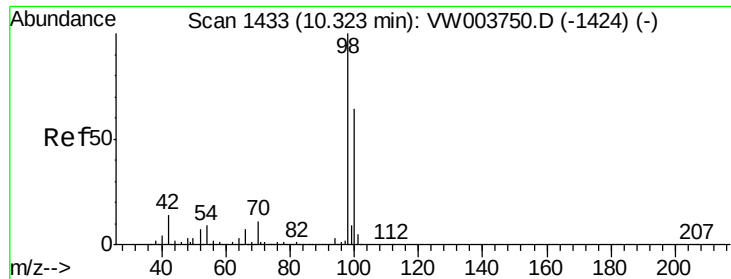


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

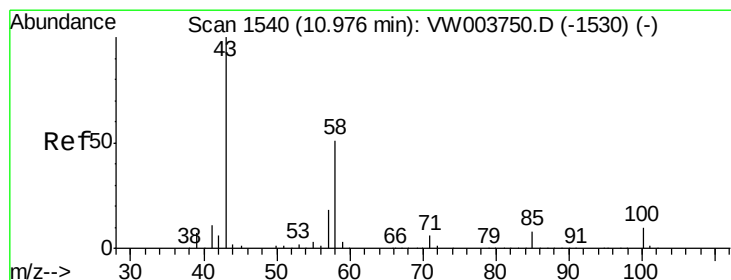
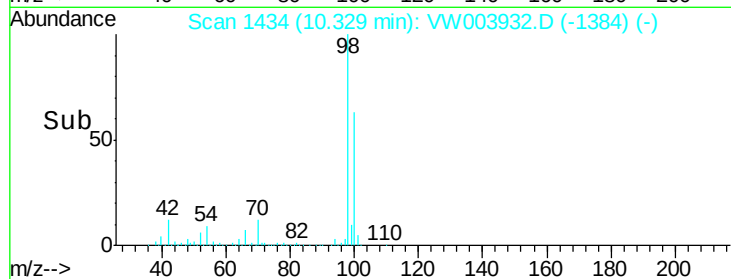
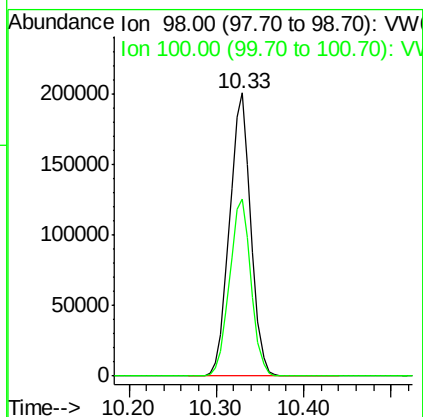
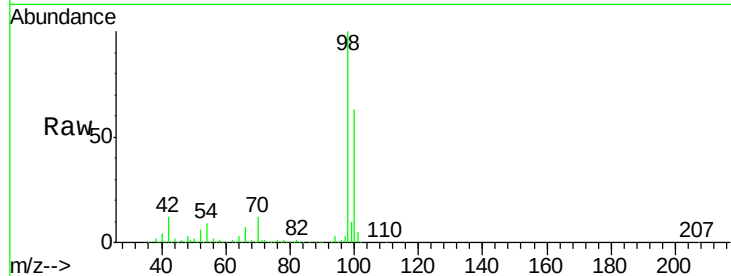




#50
Toluene-d8
Concen: 38.775 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003932.D
Acq: 13 Jul 2018 22:47

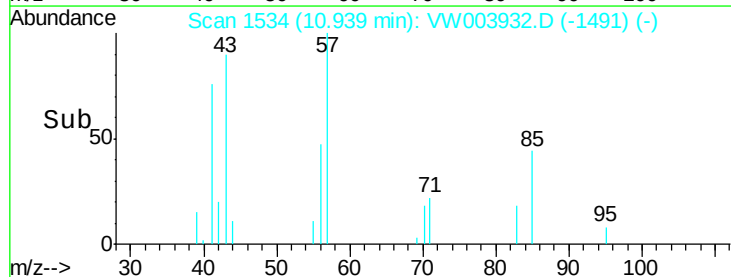
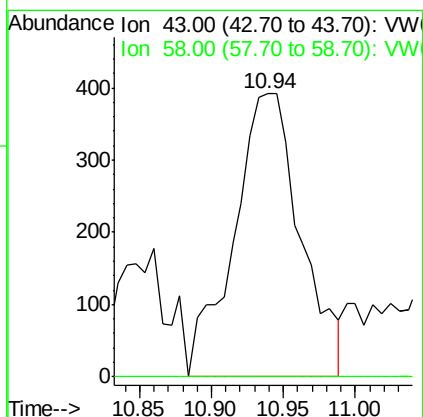
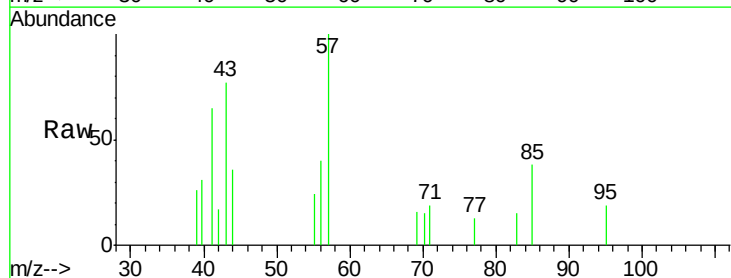
Instrument :
MSVOA_W
ClientSampled :

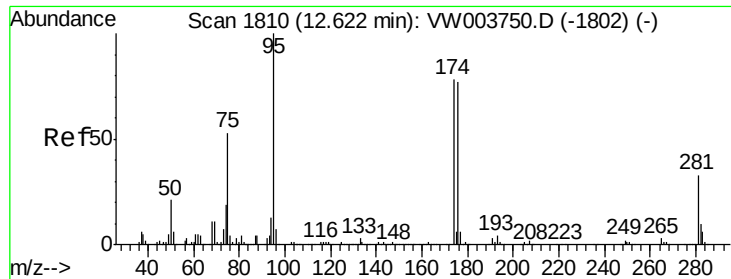
Tot Ion: 98 Resp: 339576
Ion Ratio Lower Upper
98 100
100 63.3 50.8 76.2



#59
2-Hexanone
Concen: 1.111 ug/l
RT: 10.94 min Scan# 1534
Delta R.T. -0.04 min
Lab File: VW003932.D
Acq: 13 Jul 2018 22:47

Tgt Ion: 43 Resp: 1264
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.2#





#62

4-Bromofluorobenzene

Concen: 39.568 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003932.D

Acq: 13 Jul 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

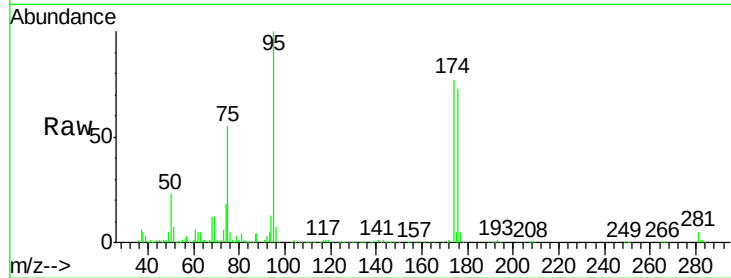
Tot Ion: 95 Resp: 125376

Ion Ratio Lower Upper

95 100

174 81.0 0.0 163.4

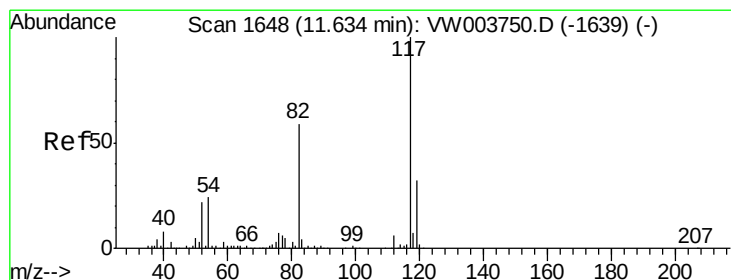
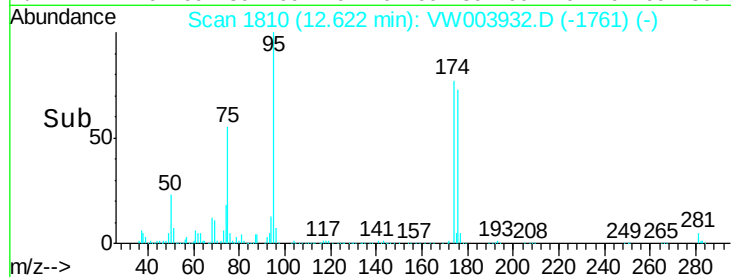
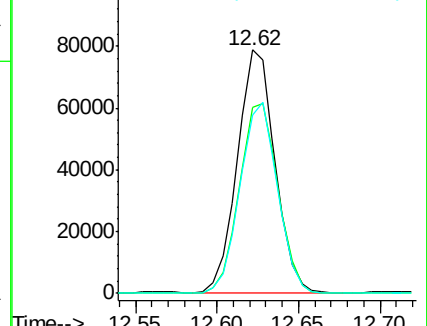
176 78.7 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW003932.D

Acq: 13 Jul 2018 22:47

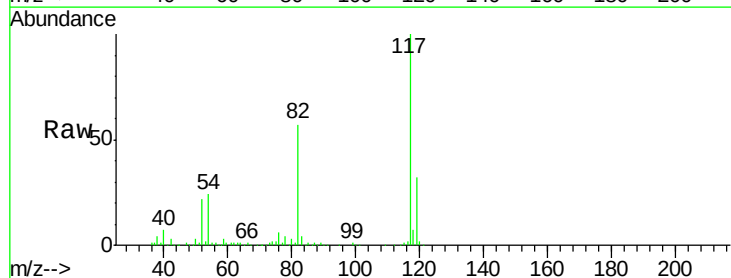
Tgt Ion: 117 Resp: 280955

Ion Ratio Lower Upper

117 100

82 57.3 46.9 70.3

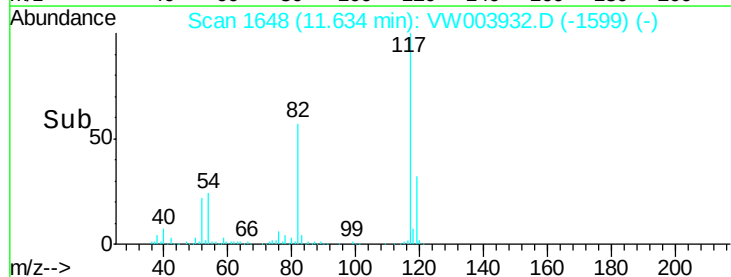
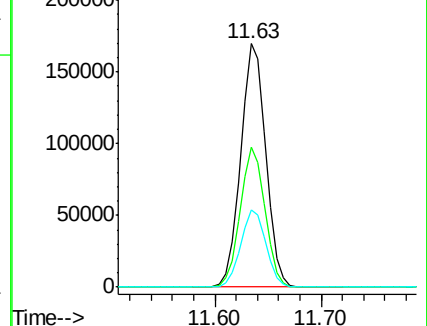
119 31.9 25.5 38.3

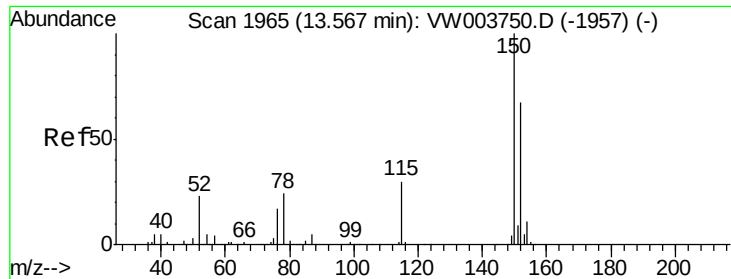


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



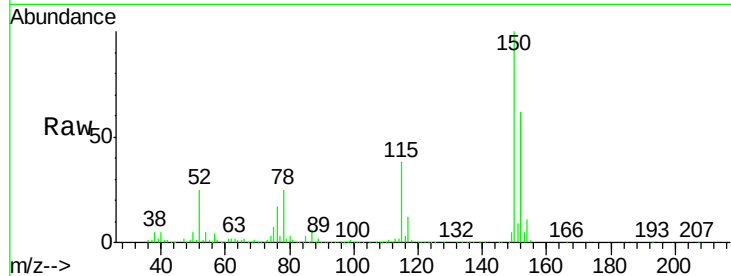


#72

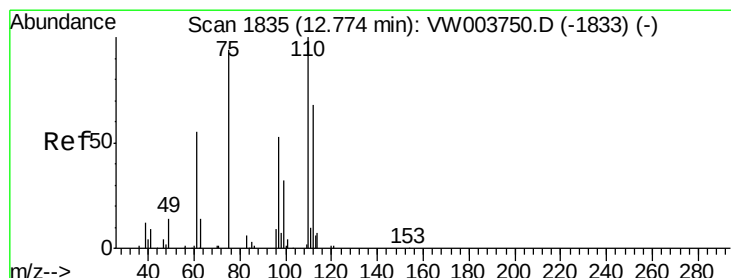
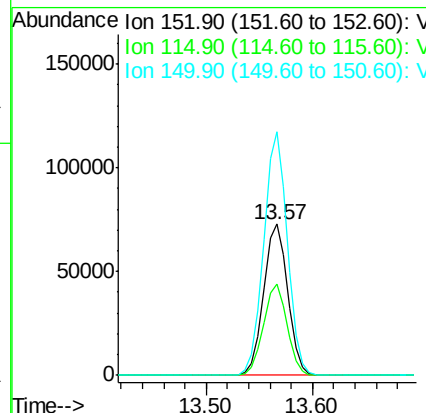
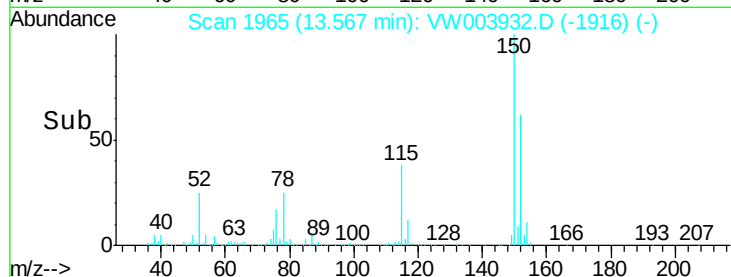
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003932.D
Acq: 13 Jul 2018 22:47

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:152 Resp: 115836
Ion Ratio Lower Upper
152 100
115 59.6 28.9 86.8
150 157.5 0.0 342.4



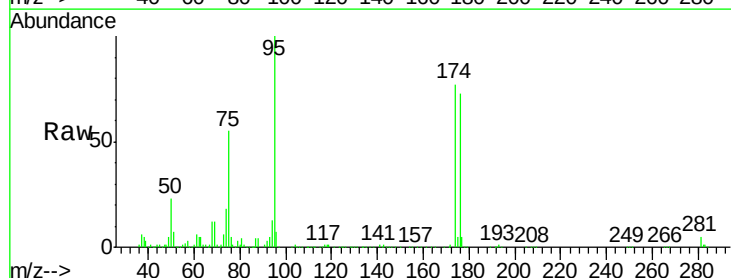
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



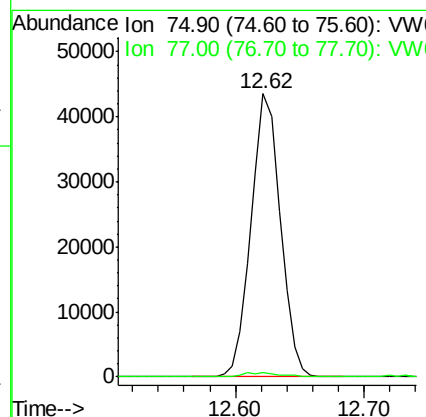
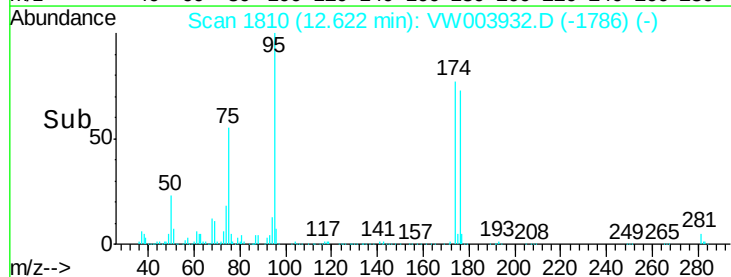
#76

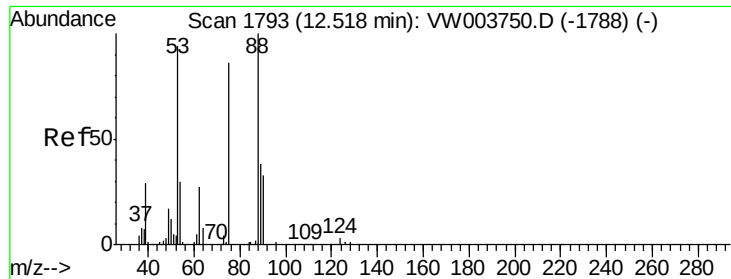
1,2,3-Trichloropropane
Concen: 60.010 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003932.D
Acq: 13 Jul 2018 22:47

Tgt Ion: 75 Resp: 68261
Ion Ratio Lower Upper
75 100
77 1.7 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: 146.799 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003932.D

Acq: 13 Jul 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

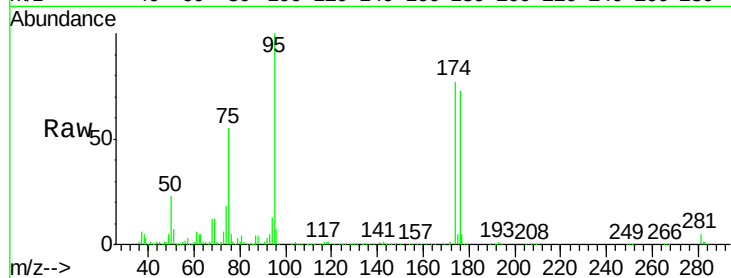
Tot Ion: 75 Resp: 68261

Ion Ratio Lower Upper

75 100

53 0.5 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

