

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071118\
 Data File : VW003888.D
 Acq On : 12 Jul 2018 02:09
 Operator : SY/AP
 Sample : J3828-01RE
 Misc : 6.21G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 03:41:19 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	162060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	288740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	226840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	84867	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	112269	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
35) Dibromofluoromethane	7.88	113	94544	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
50) Toluene-d8	10.33	98	287690	37.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.44%	
62) 4-Bromofluorobenzene	12.63	95	82838	29.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.24%	

Target Compounds

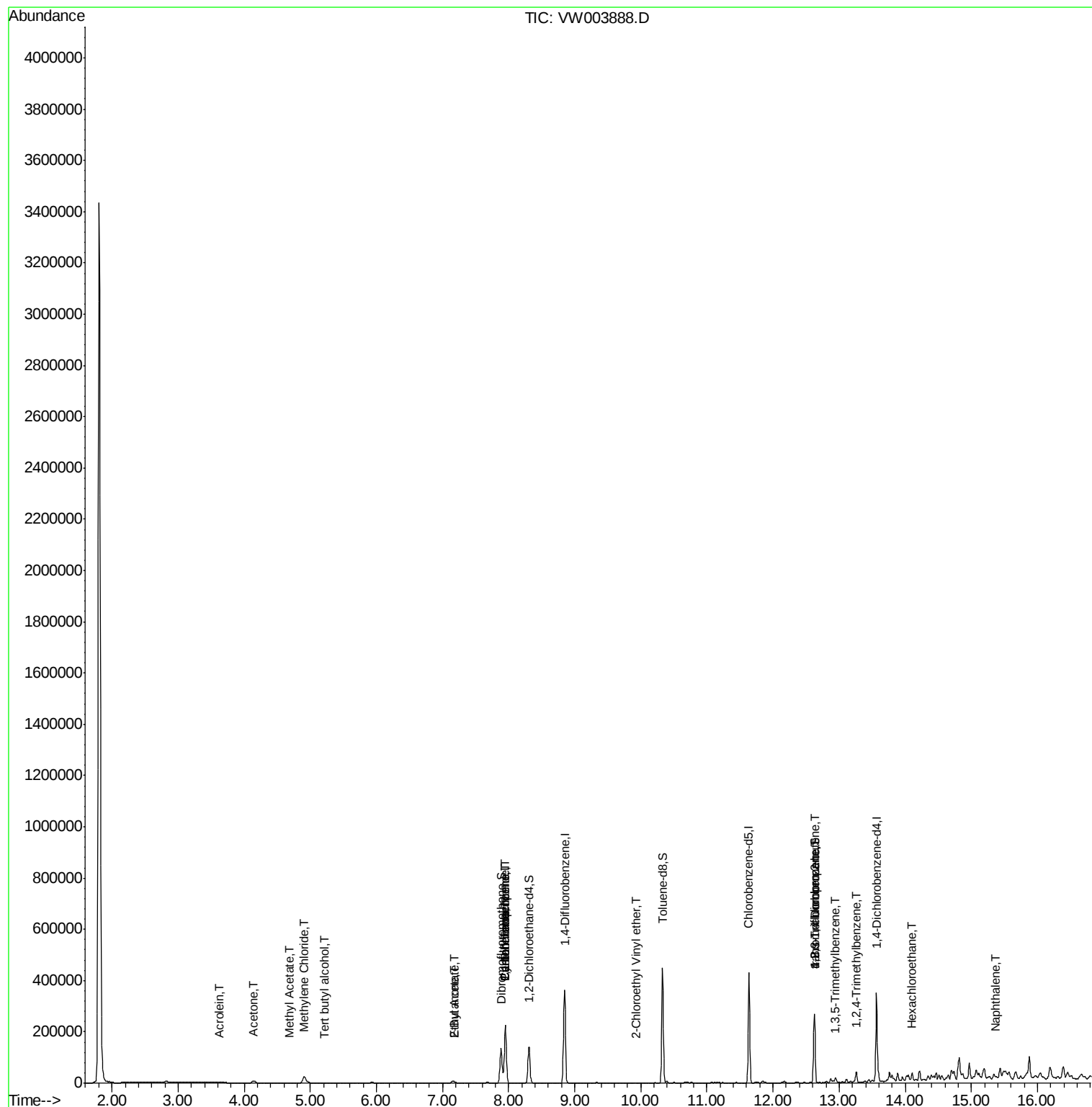
						Qvalue
11) Tert butyl alcohol	5.22	59	239	2.081	ug/l #	70
13) Acrolein	3.64	56	40	4.948	ug/l #	14
16) Acetone	4.14	43	17216	46.822	ug/l	99
18) Methyl Acetate	4.68	43	1253	1.209	ug/l #	81
20) Methylene Chloride	4.91	84	19886	7.358	ug/l	98
25) 2-Butanone	7.19	43	2736	4.751	ug/l #	75
31) Cyclohexane	7.95	56	4475	1.447	ug/l #	25
36) 1,1-Dichloropropene	7.95	75	13799	4.504	ug/l #	50
37) Ethyl Acetate	7.19	43	2736	1.835	ug/l #	70
38) Carbon Tetrachloride	7.95	117	15995	5.491	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.92	63	79	13.238	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	45725	54.867	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	5386	1.087	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.62	75	45725	134.218	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.26	105	21189	4.117	ug/l	100
90) Hexachloroethane	14.11	117	1593	1.549	ug/l #	12
95) Naphthalene	15.38	128	5140	1.633	ug/l	98

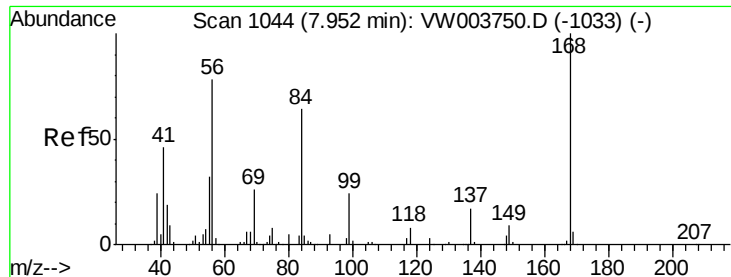
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003888.D

Acq: 12 Jul 2018 02:09

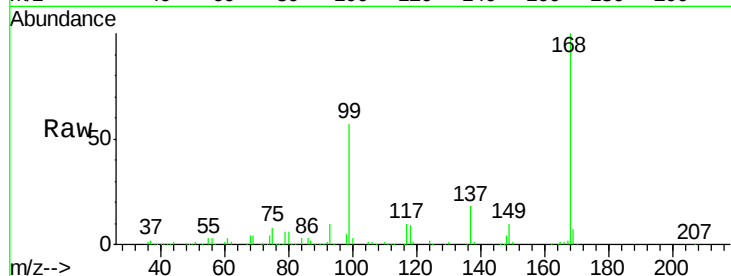
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 162060

Ion Ratio Lower Upper

168 100

99 57.2 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

80000

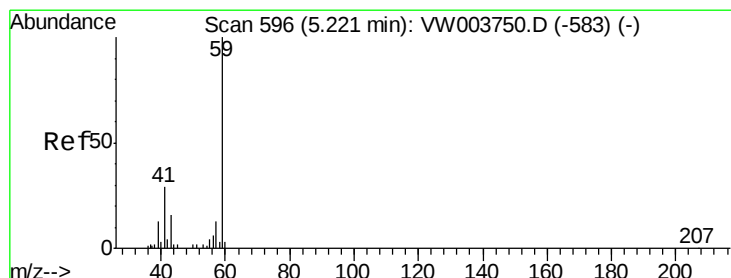
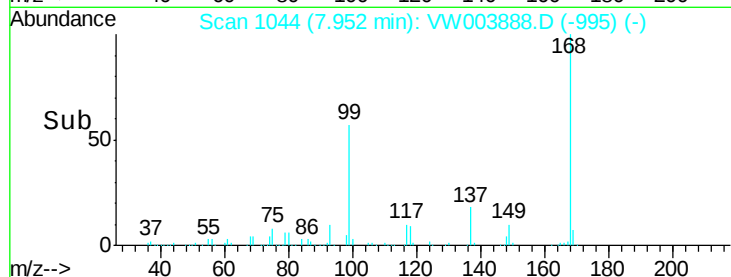
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.081 ug/l

RT: 5.22 min Scan# 596

Delta R.T. -0.00 min

Lab File: VW003888.D

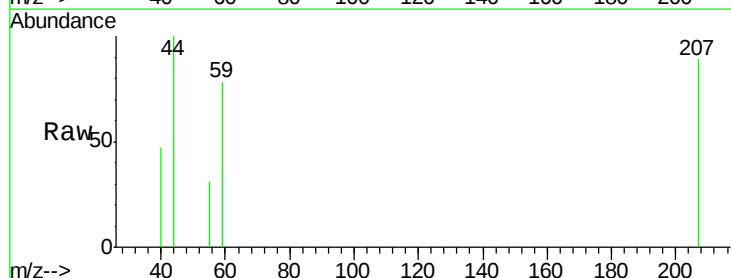
Acq: 12 Jul 2018 02:09

Tgt Ion: 59 Resp: 239

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

5.22

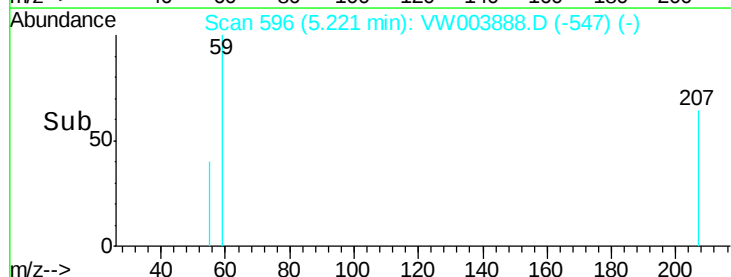
150

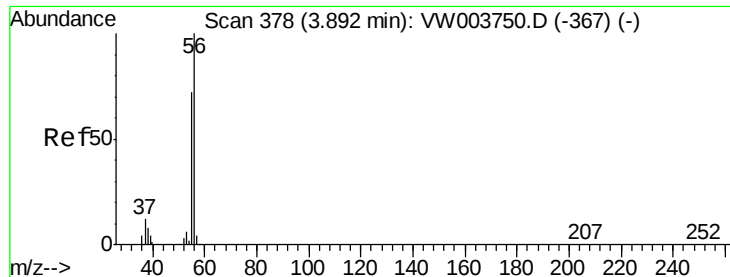
100

50

0

Time--> 5.18 5.20 5.22 5.24





#13

Acrolein

Concen: 4.948 ug/l

RT: 3.64 min Scan# 336

Delta R.T. -0.26 min

Lab File: VW003888.D

Acq: 12 Jul 2018 02:09

Instrument :

MSVOA_W

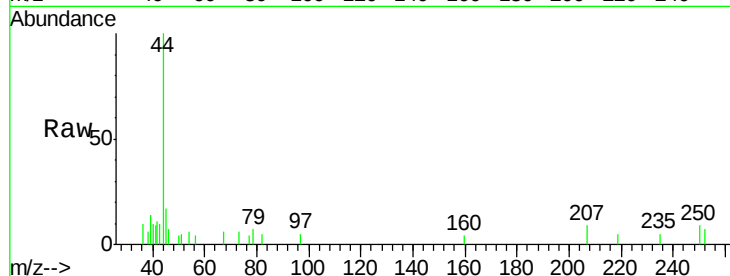
ClientSampled :

Tot Ion: 56 Resp: 40

Ion Ratio Lower Upper

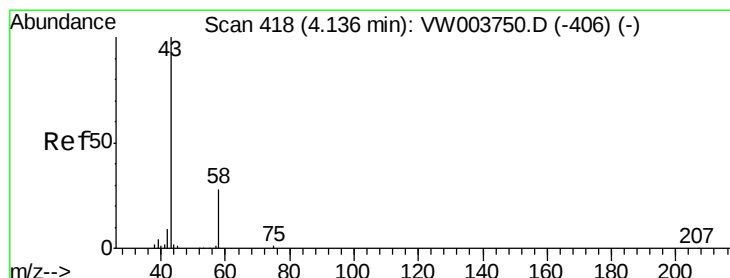
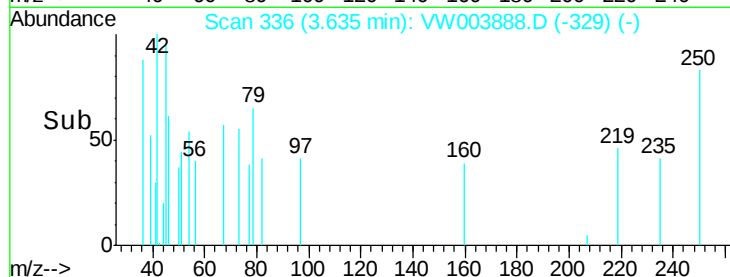
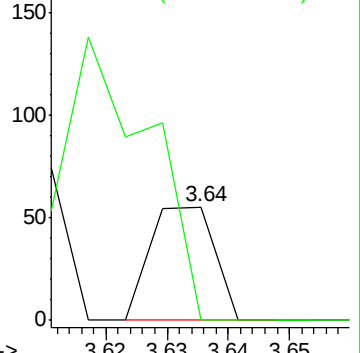
56 100

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: 46.822 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW003888.D

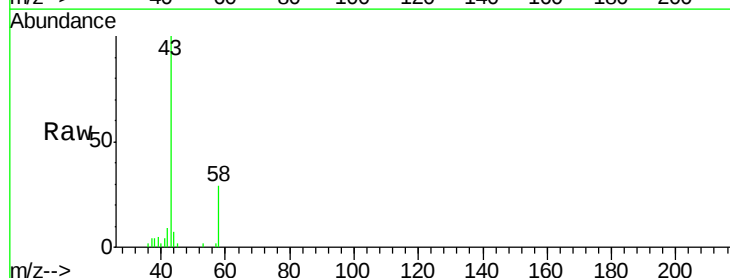
Acq: 12 Jul 2018 02:09

Tgt Ion: 43 Resp: 17216

Ion Ratio Lower Upper

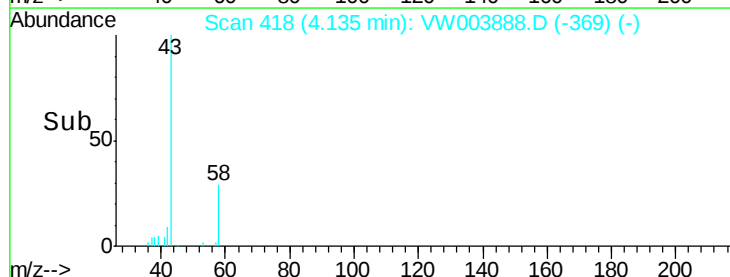
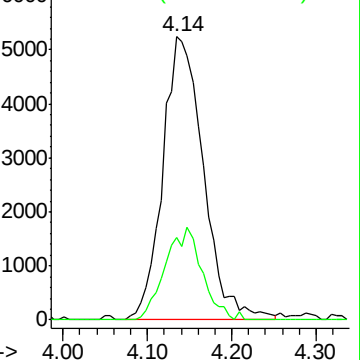
43 100

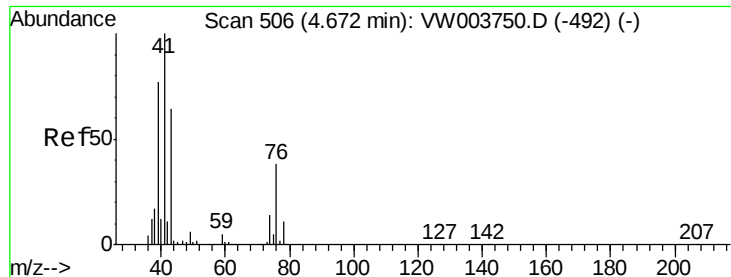
58 29.1 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

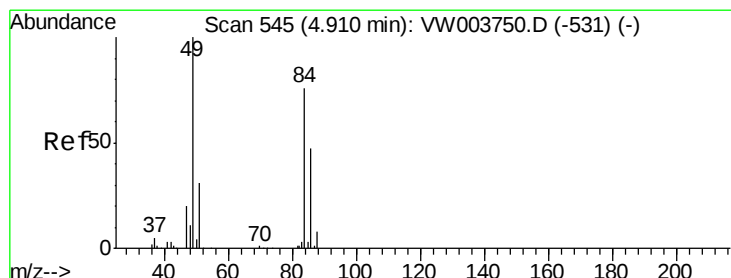
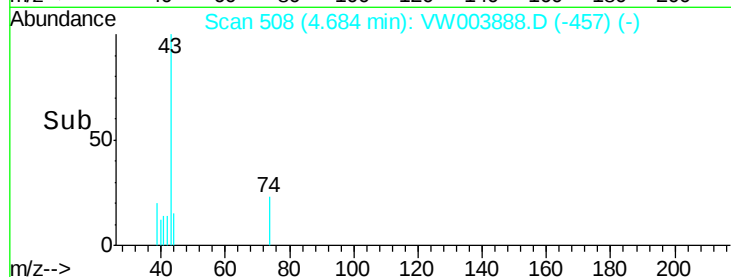
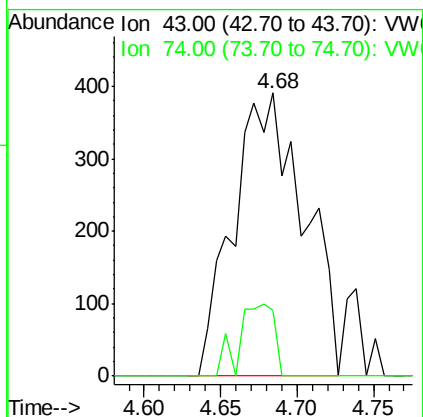
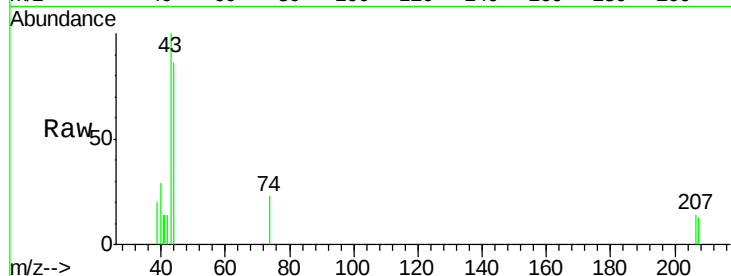




#18
Methvl Acetate
Concen: 1.209 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.01 min
Lab File: VW003888.D
Acq: 12 Jul 2018 02:09

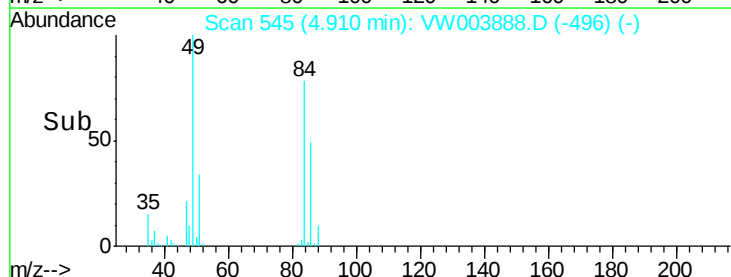
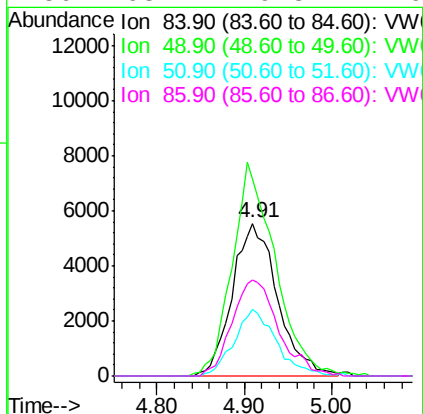
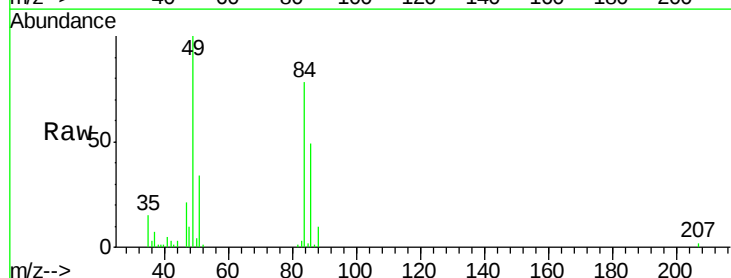
Instrument :
MSVOA_W
ClientSampleId :

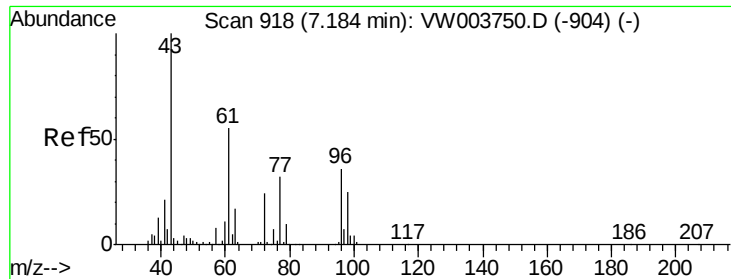
Tot Ion: 43 Resp: 1253
Ion Ratio Lower Upper
43 100
74 12.7 17.3 25.9#



#20
Methylene Chloride
Concen: 7.358 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003888.D
Acq: 12 Jul 2018 02:09

Tgt Ion: 84 Resp: 19886
Ion Ratio Lower Upper
84 100
49 128.6 105.1 157.7
51 43.3 32.5 48.7
86 63.2 49.8 74.6





#25

2-Butanone

Concen: 4.751 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003888.D

Acq: 12 Jul 2018 02:09

Instrument :

MSVOA_W

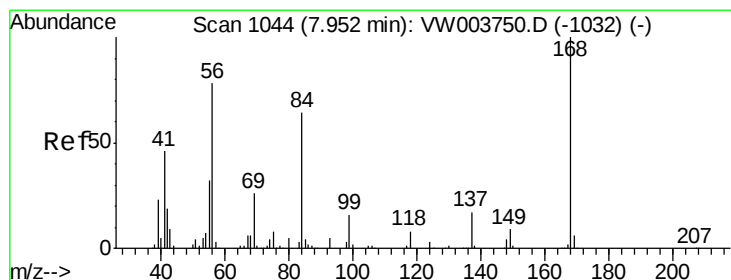
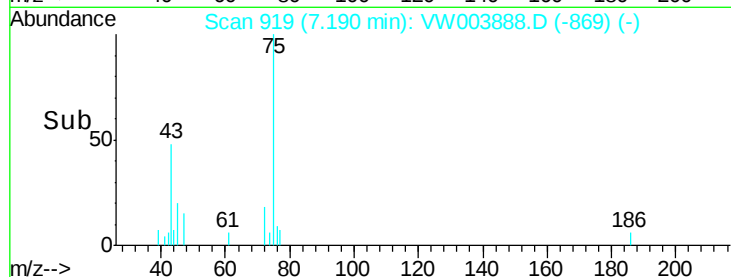
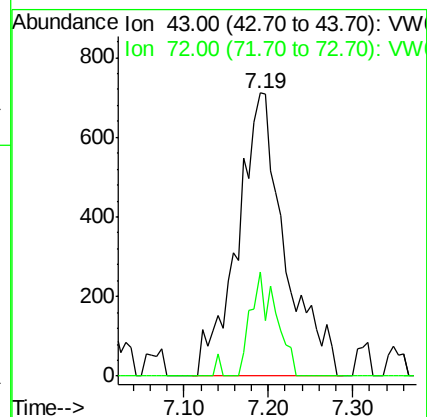
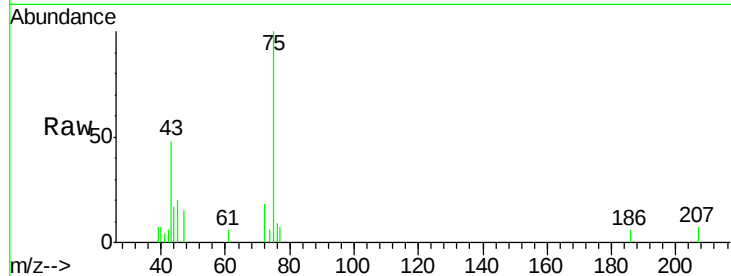
ClientSampleId :

Tot Ion: 43 Resp: 2736

Ion Ratio Lower Upper

43 100

72 36.8 19.4 29.2#



#31

Cyclohexane

Concen: 1.447 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003888.D

Acq: 12 Jul 2018 02:09

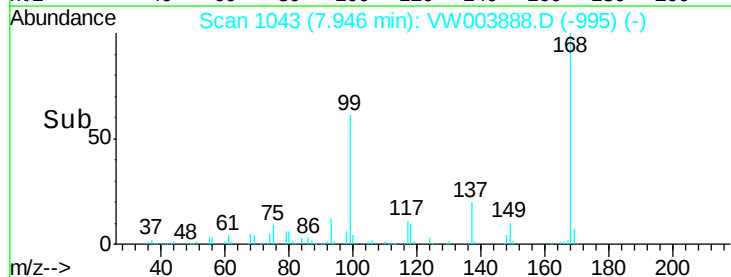
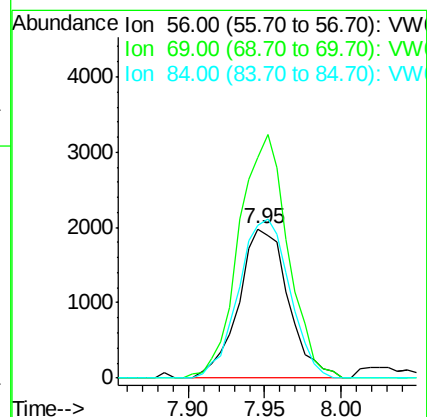
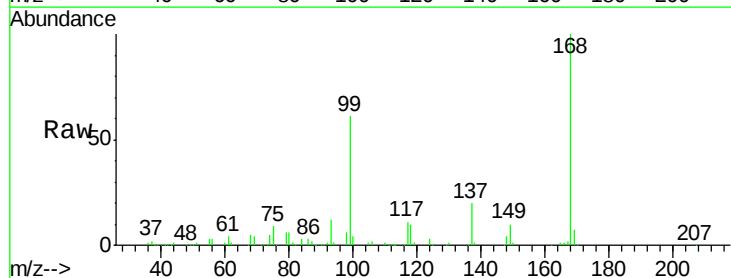
Tgt Ion: 56 Resp: 4475

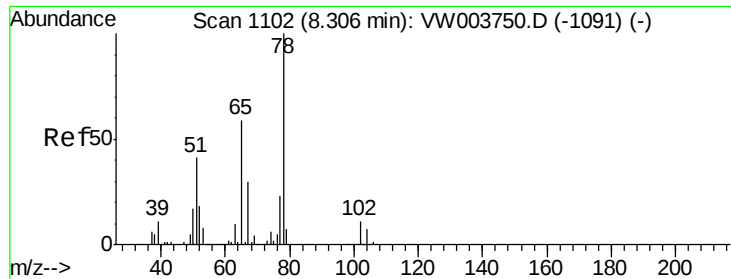
Ion Ratio Lower Upper

56 100

69 148.0 26.2 39.4#

84 102.5 65.5 98.3#

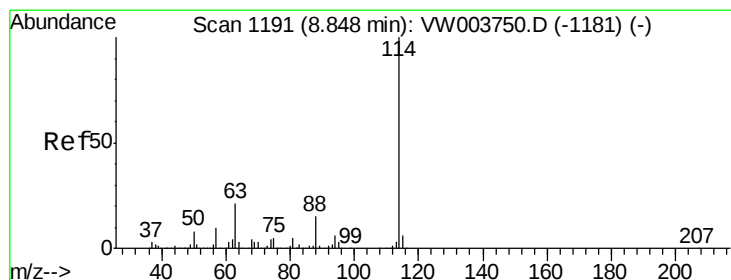
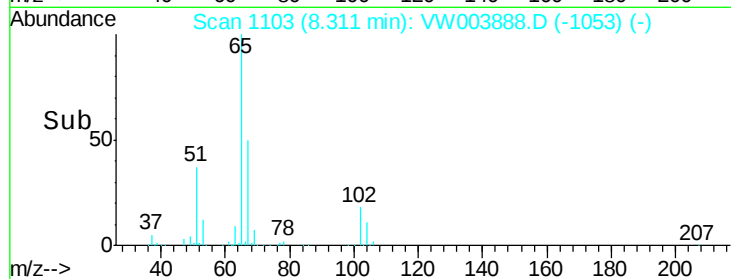
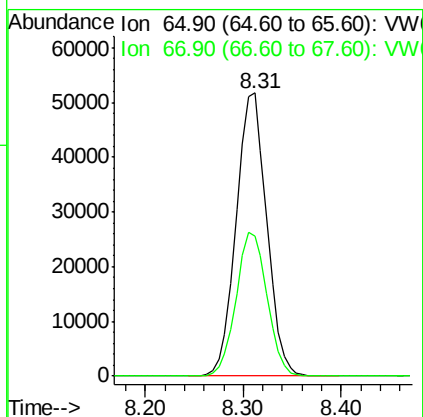
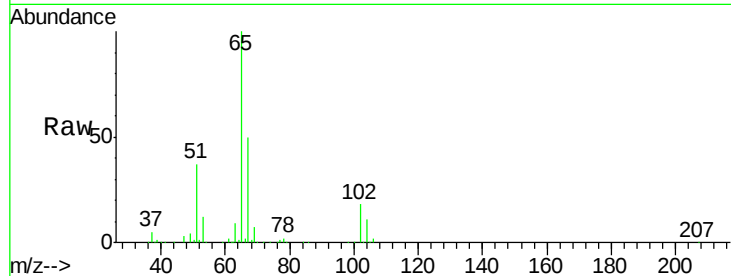




#33
 1,2-Dichloroethane-d4
 Concen: 52.975 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW003888.D
 Acq: 12 Jul 2018 02:09

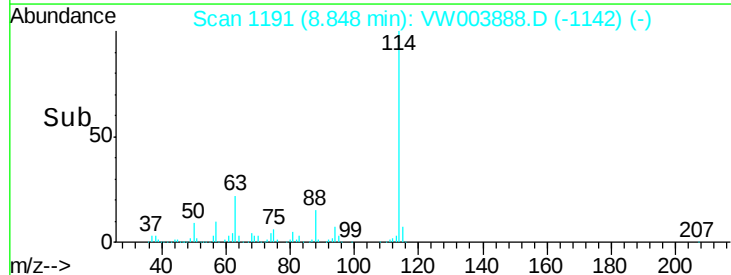
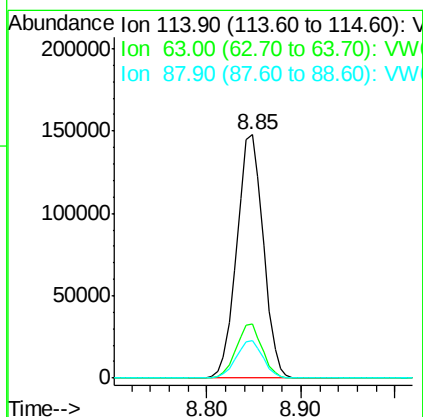
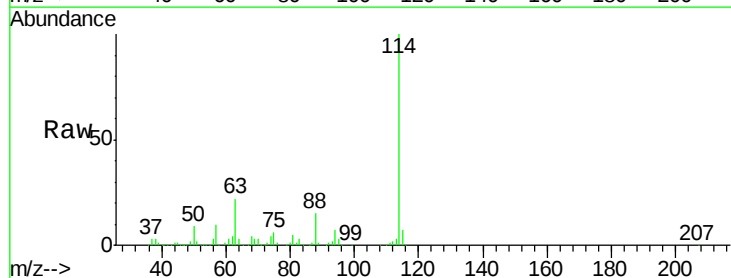
Instrument :
 MSVOA_W
 ClientSampleId :

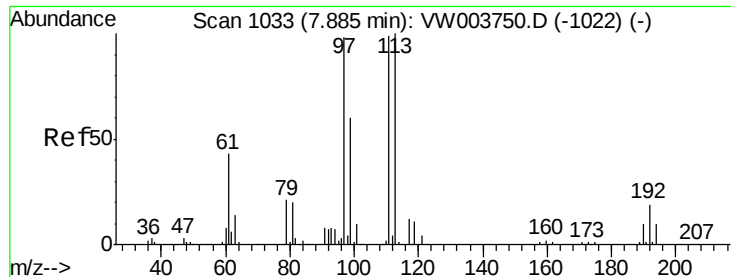
Tot Ion: 65 Resp: 112269
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003888.D
 Acq: 12 Jul 2018 02:09

Tgt Ion: 114 Resp: 288740
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 41.8
 88 15.5 0.0 30.2

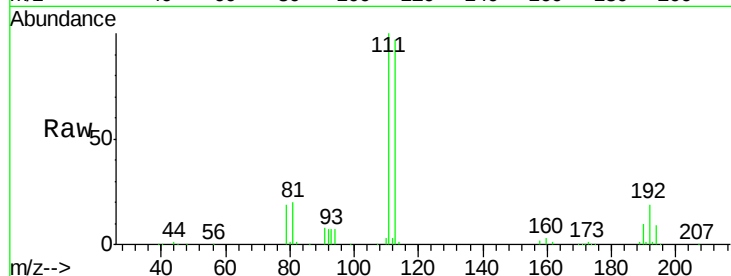




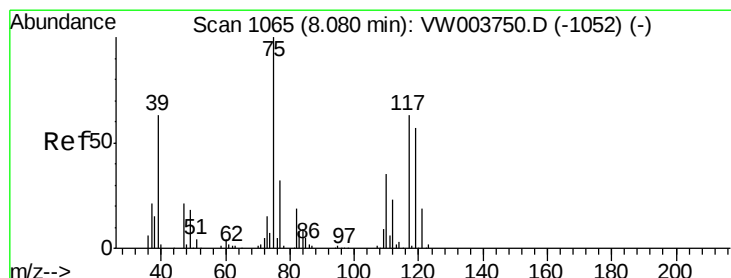
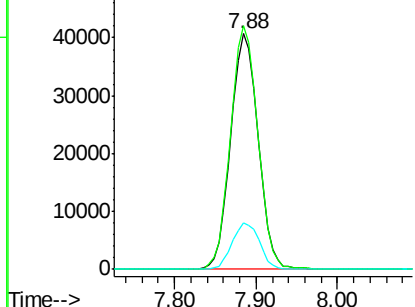
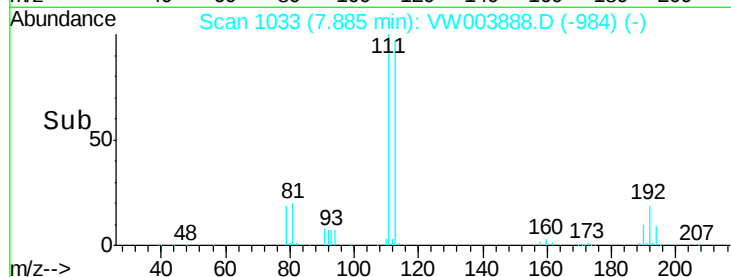
#35
 Dibromofluoromethane
 Concen: 46.784 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003888.D
 Acq: 12 Jul 2018 02:09

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:113 Resp: 94544
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.7 122.5
 192 19.7 15.8 23.8

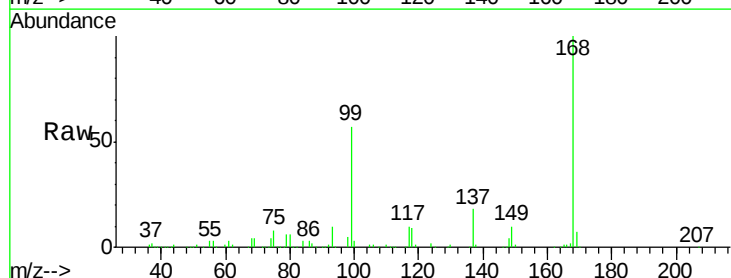


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

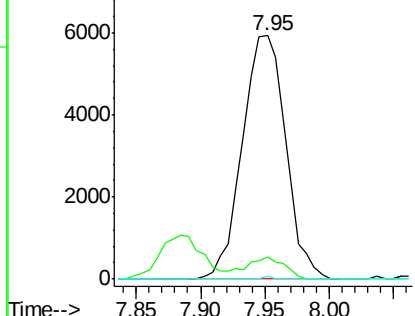
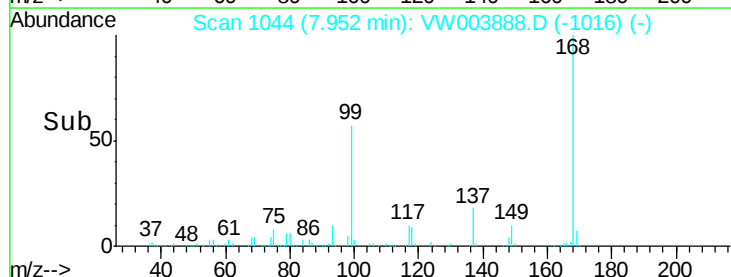


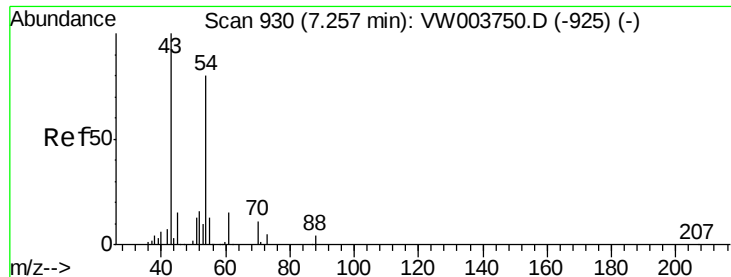
#36
 1,1-Dichloropropene
 Concen: 4.504 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003888.D
 Acq: 12 Jul 2018 02:09

Tgt Ion: 75 Resp: 13799
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.9 50.6#
 77 0.2 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





#37

Ethyl Acetate

Concen: 1.835 ug/l

RT: 7.19 min Scan# 919

Delta R.T. -0.07 min

Lab File: VW003888.D

Acq: 12 Jul 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

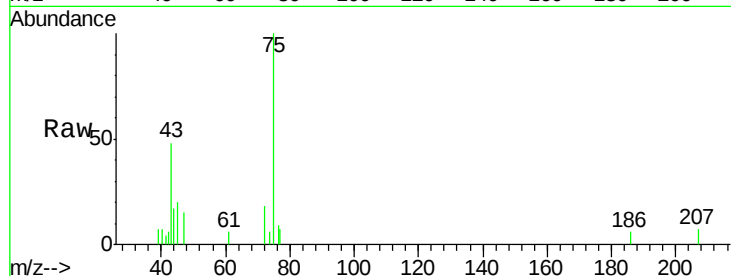
Tot Ion: 43 Resp: 2736

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

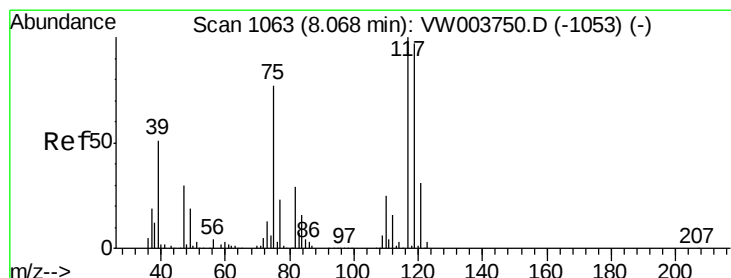
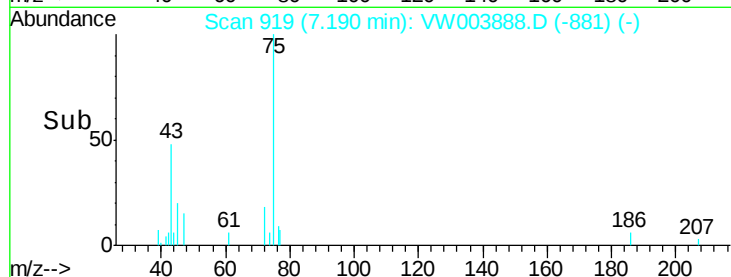
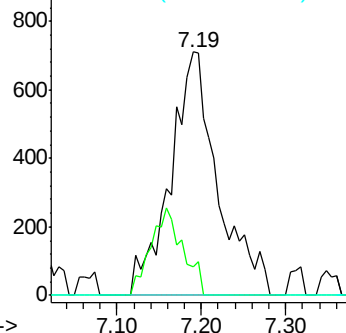
70 0.0 7.5 11.3#



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: 5.491 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003888.D

Acq: 12 Jul 2018 02:09

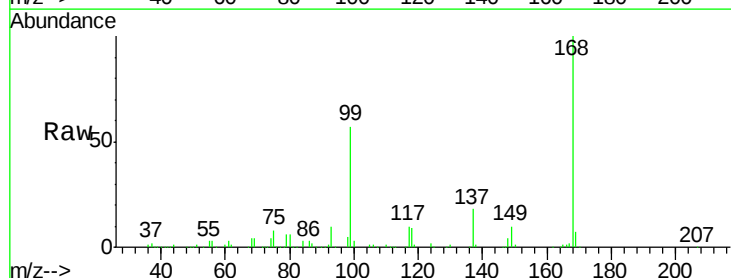
Tgt Ion: 117 Resp: 15995

Ion Ratio Lower Upper

117 100

119 7.2 77.4 116.2#

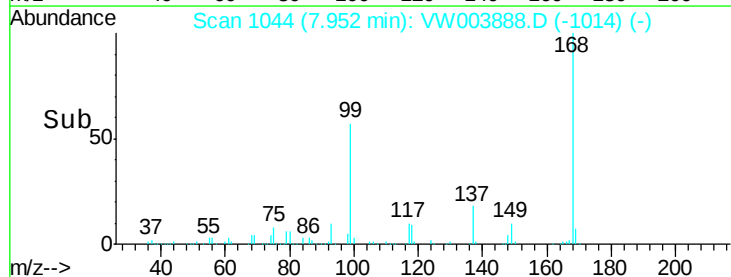
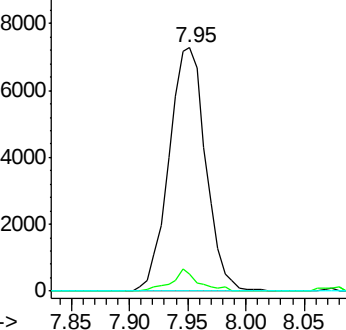
121 0.0 24.6 37.0#

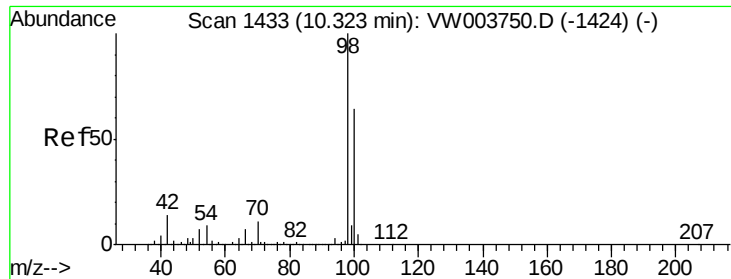


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 37.216 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003888.D

Acq: 12 Jul 2018 02:09

Instrument :

MSVOA_W

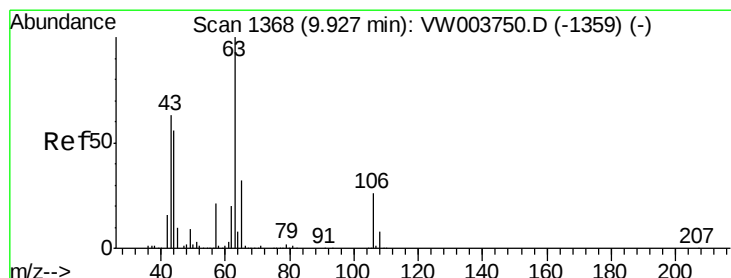
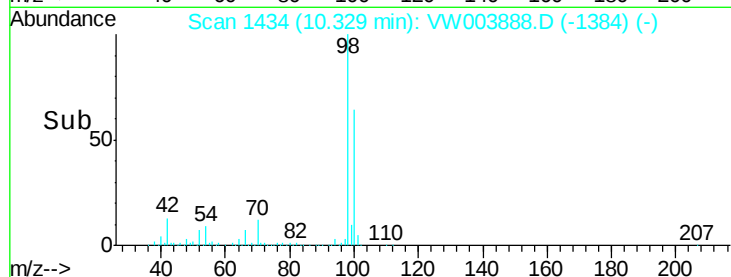
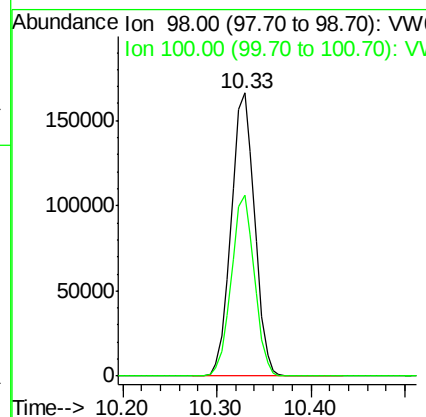
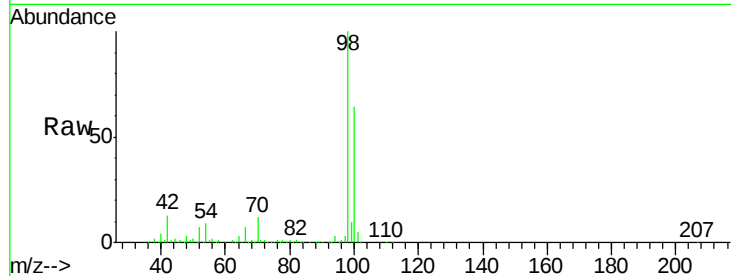
ClientSampleId :

Tot Ion: 98 Resp: 287690

Ion Ratio Lower Upper

98 100

100 62.7 50.8 76.2



#58

2-Chloroethyl Vinyl ether

Concen: 13.238 ug/l

RT: 9.92 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VW003888.D

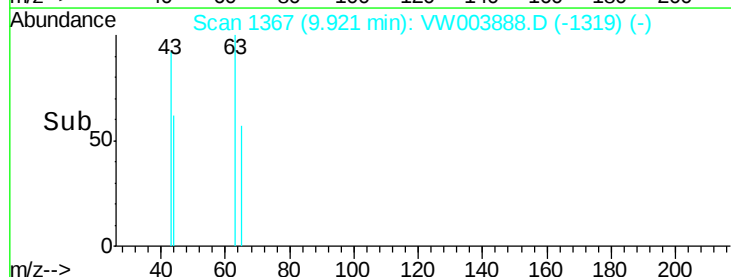
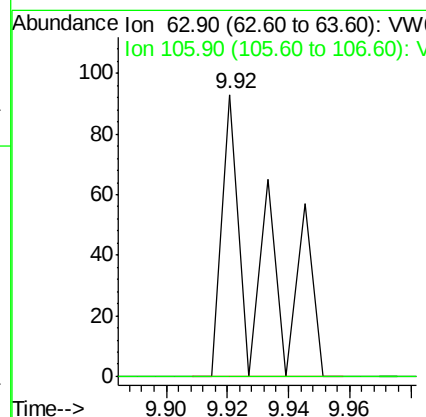
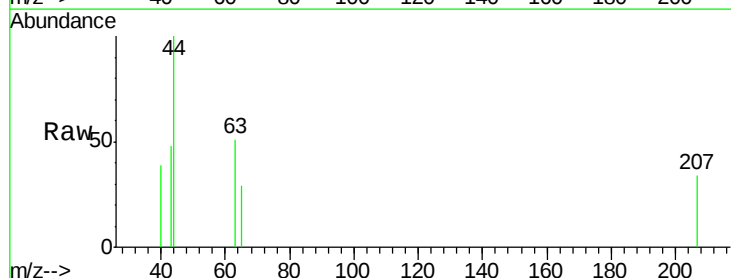
Acq: 12 Jul 2018 02:09

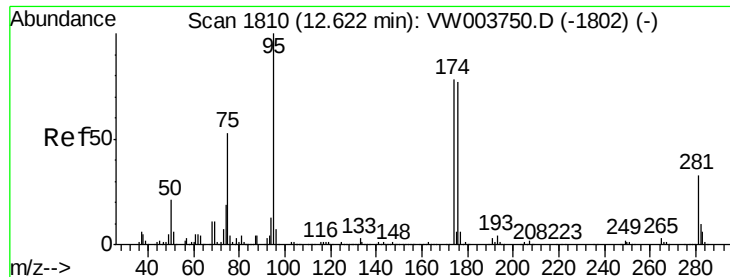
Tgt Ion: 63 Resp: 79

Ion Ratio Lower Upper

63 100

106 0.0 20.9 31.3#





#62

4-Bromofluorobenzene

Concen: 29.618 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW003888.D

Acq: 12 Jul 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :

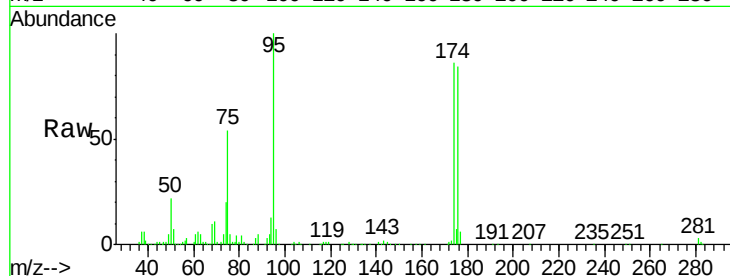
Tot Ion: 95 Resp: 82838

Ion Ratio Lower Upper

95 100

174 81.8 0.0 163.4

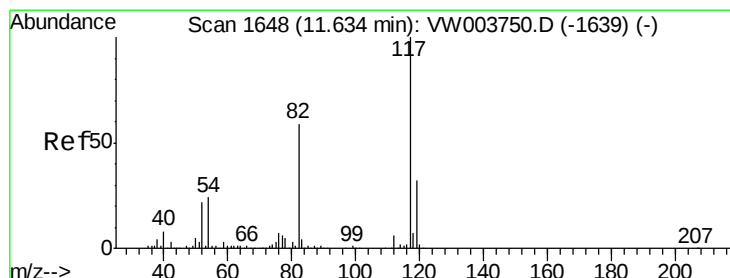
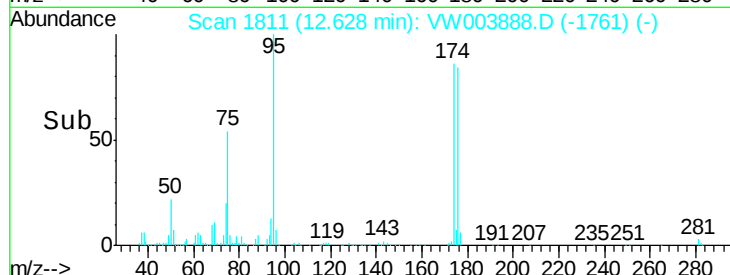
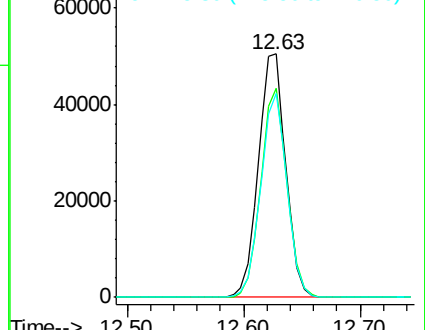
176 80.2 0.0 156.8



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: VW003888.D

Acq: 12 Jul 2018 02:09

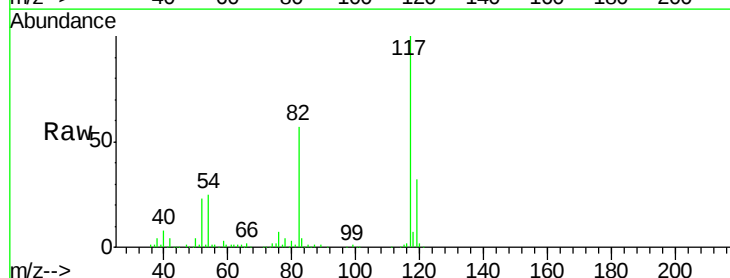
Tgt Ion: 117 Resp: 226840

Ion Ratio Lower Upper

117 100

82 57.2 46.9 70.3

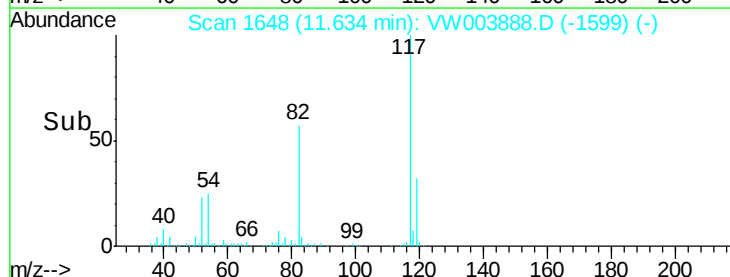
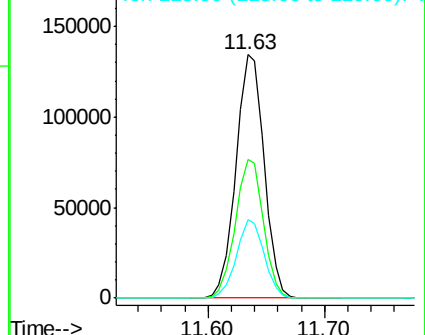
119 32.4 25.5 38.3

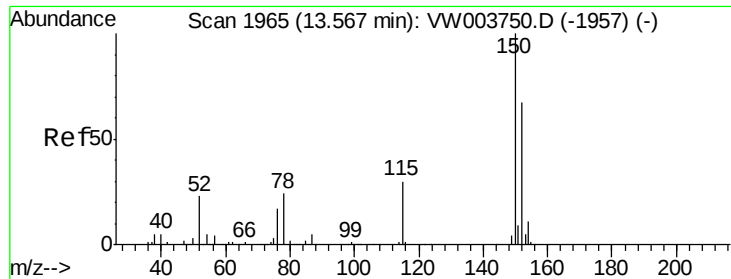


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



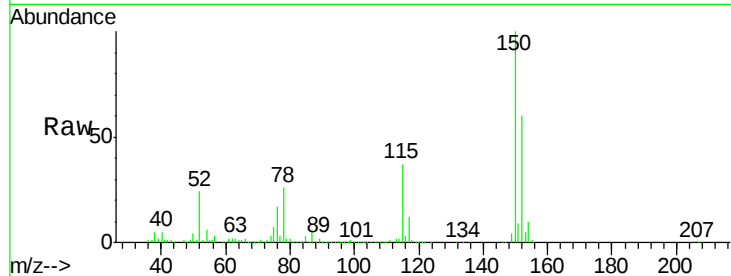


#72

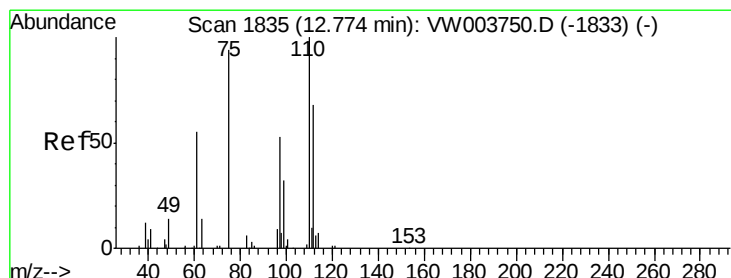
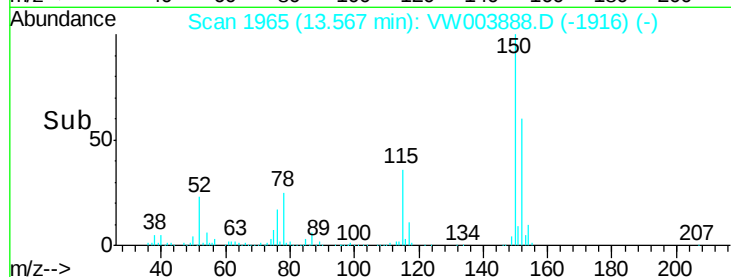
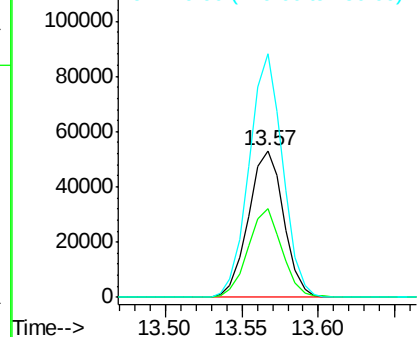
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003888.D
Acq: 12 Jul 2018 02:09

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 84867
Ion Ratio Lower Upper
152 100
115 58.8 28.9 86.8
150 157.9 0.0 342.4



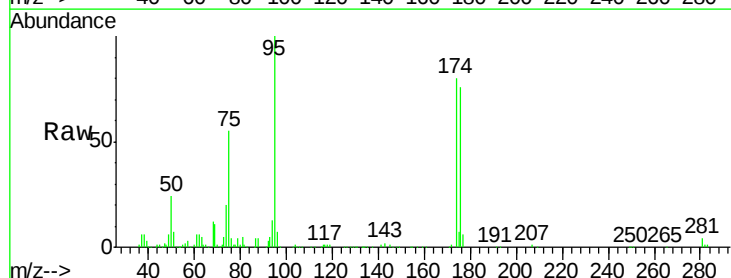
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



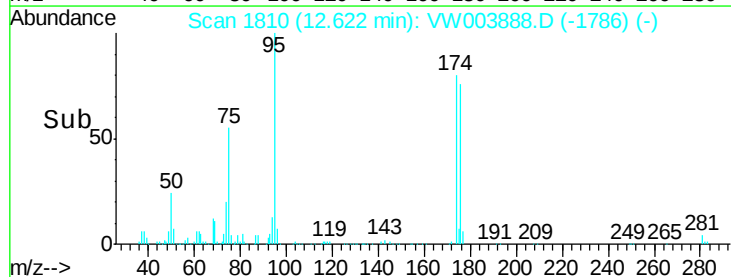
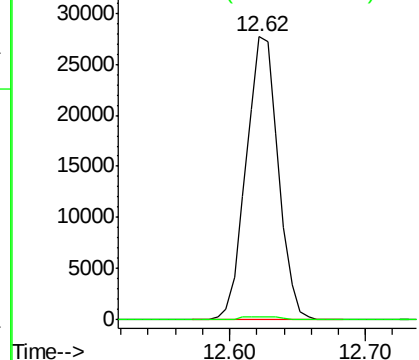
#76

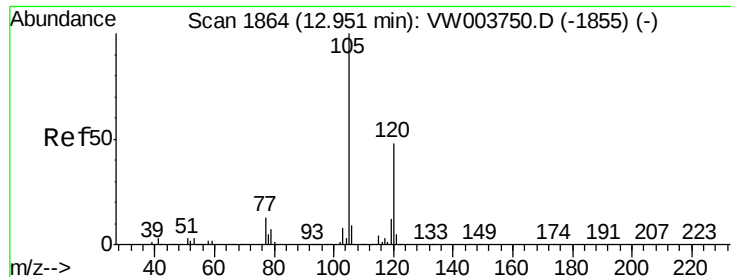
1,2,3-Trichloropropane
Concen: 54.867 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003888.D
Acq: 12 Jul 2018 02:09

Tgt Ion: 75 Resp: 45725
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

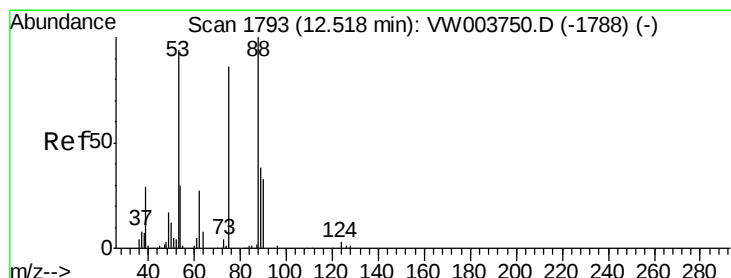
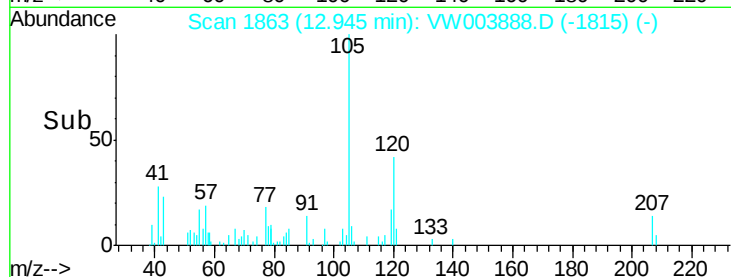
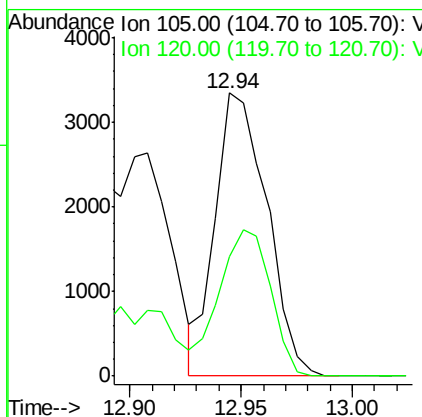
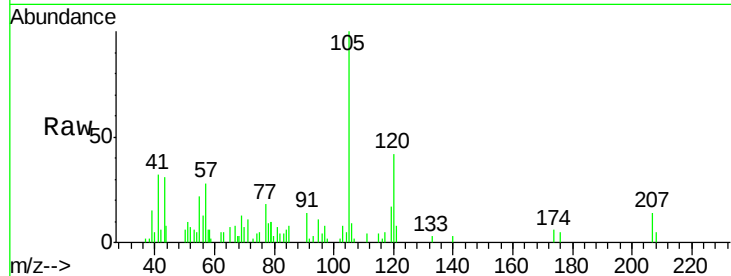




#80
 1,3,5-Trimethylbenzene
 Concen: 1.087 ug/l
 RT: 12.94 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: VW003888.D
 Acq: 12 Jul 2018 02:09

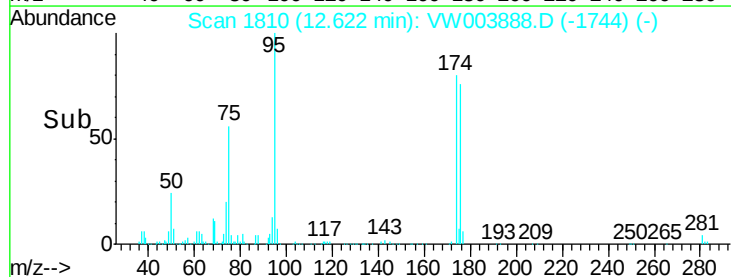
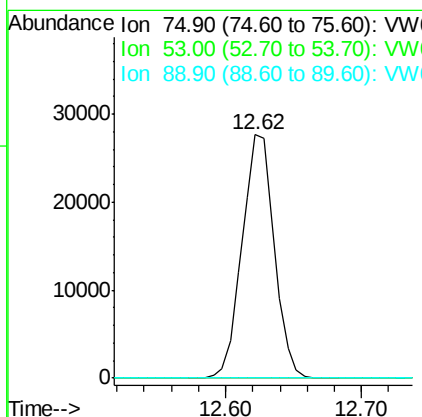
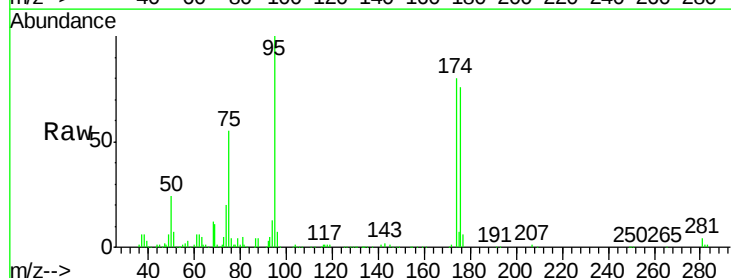
Instrument :
 MSVOA_W
 ClientSampleId :

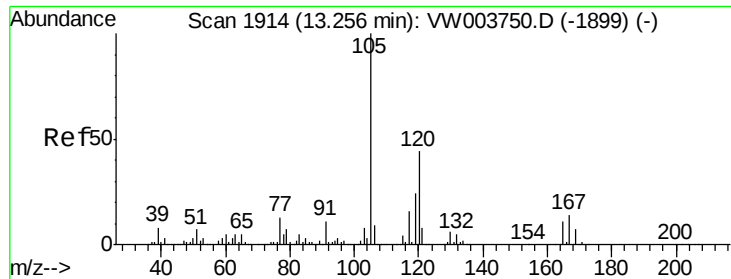
Tot Ion:105 Resp: 5386
 Ion Ratio Lower Upper
 105 100
 120 51.7 24.2 72.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.218 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003888.D
 Acq: 12 Jul 2018 02:09

Tgt Ion: 75 Resp: 45725
 Ion Ratio Lower Upper
 75 100
 53 0.4 85.0 127.6#
 89 0.0 36.3 54.5#

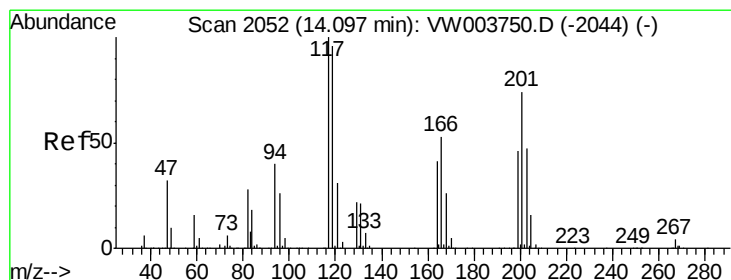
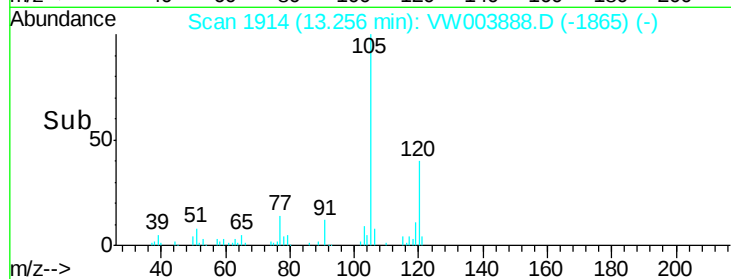
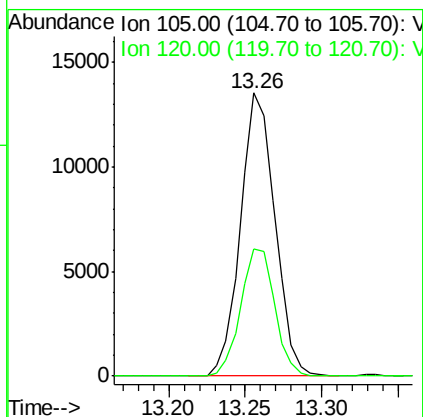
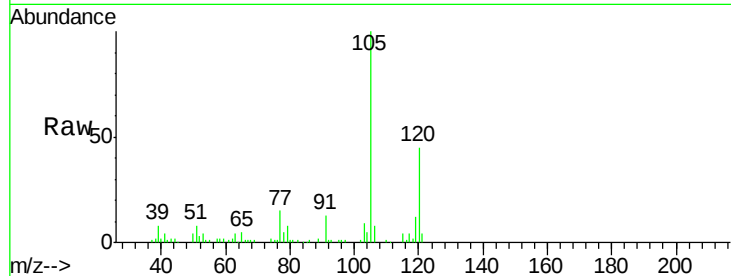




#84
 1,2,4-Trimethylbenzene
 Concen: 4.117 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW003888.D
 Acq: 12 Jul 2018 02:09

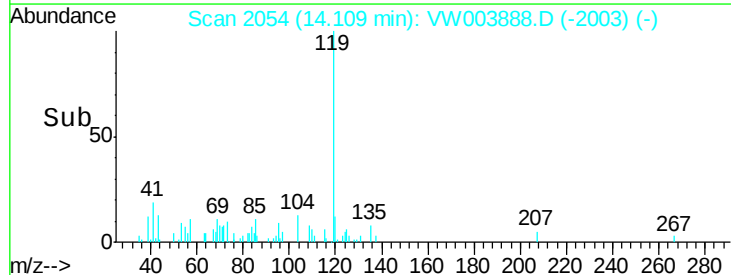
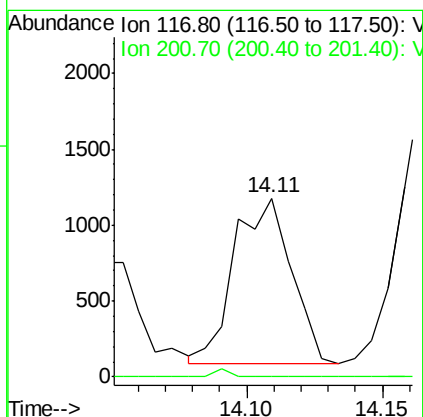
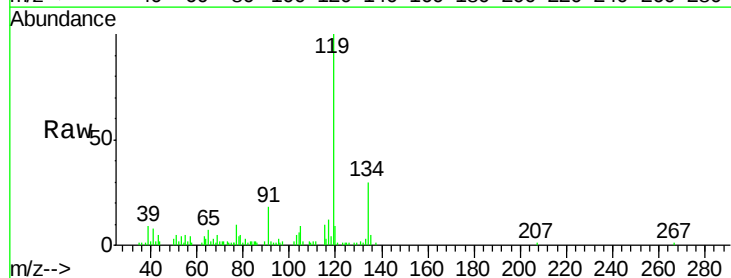
Instrument :
 MSVOA_W
 ClientSampleId :

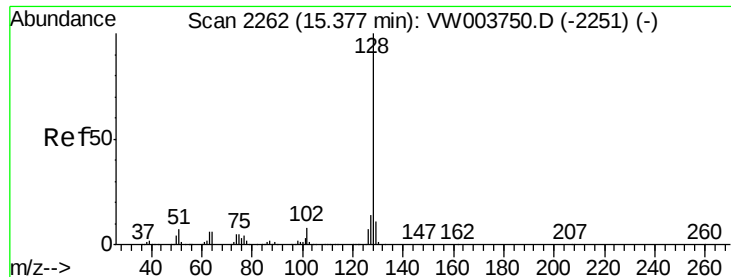
Tot Ion:105 Resp: 21189
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.0 66.0



#90
 Hexachloroethane
 Concen: 1.549 ug/l
 RT: 14.11 min Scan# 2054
 Delta R.T. 0.01 min
 Lab File: VW003888.D
 Acq: 12 Jul 2018 02:09

Tgt Ion:117 Resp: 1593
 Ion Ratio Lower Upper
 117 100
 201 1.3 39.2 117.6#





#95

Naphthalene

Concen: 1.633 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

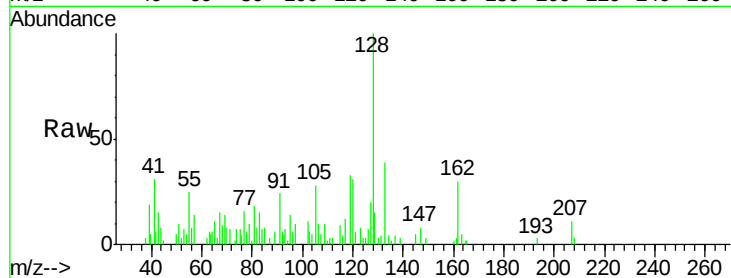
Lab File: VW003888.D

Acq: 12 Jul 2018 02:09

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion:128 Resp: 5140

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

129 12.1 8.6 13.0

