

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071118\
 Data File : VW003883.D
 Acq On : 12 Jul 2018 00:00
 Operator : SY/AP
 Sample : J3914-03RE
 Misc : 4.63G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 01:57:23 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	157404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	243990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	148567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	30475	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	103004	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
35) Dibromofluoromethane	7.88	113	89726	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
50) Toluene-d8	10.33	98	267596	40.97	ug/l	0.00
Spiked Amount			Recovery	=	81.94%	
62) 4-Bromofluorobenzene	12.62	95	43362	18.35	ug/l	0.00
Spiked Amount			Recovery	=	36.70%	

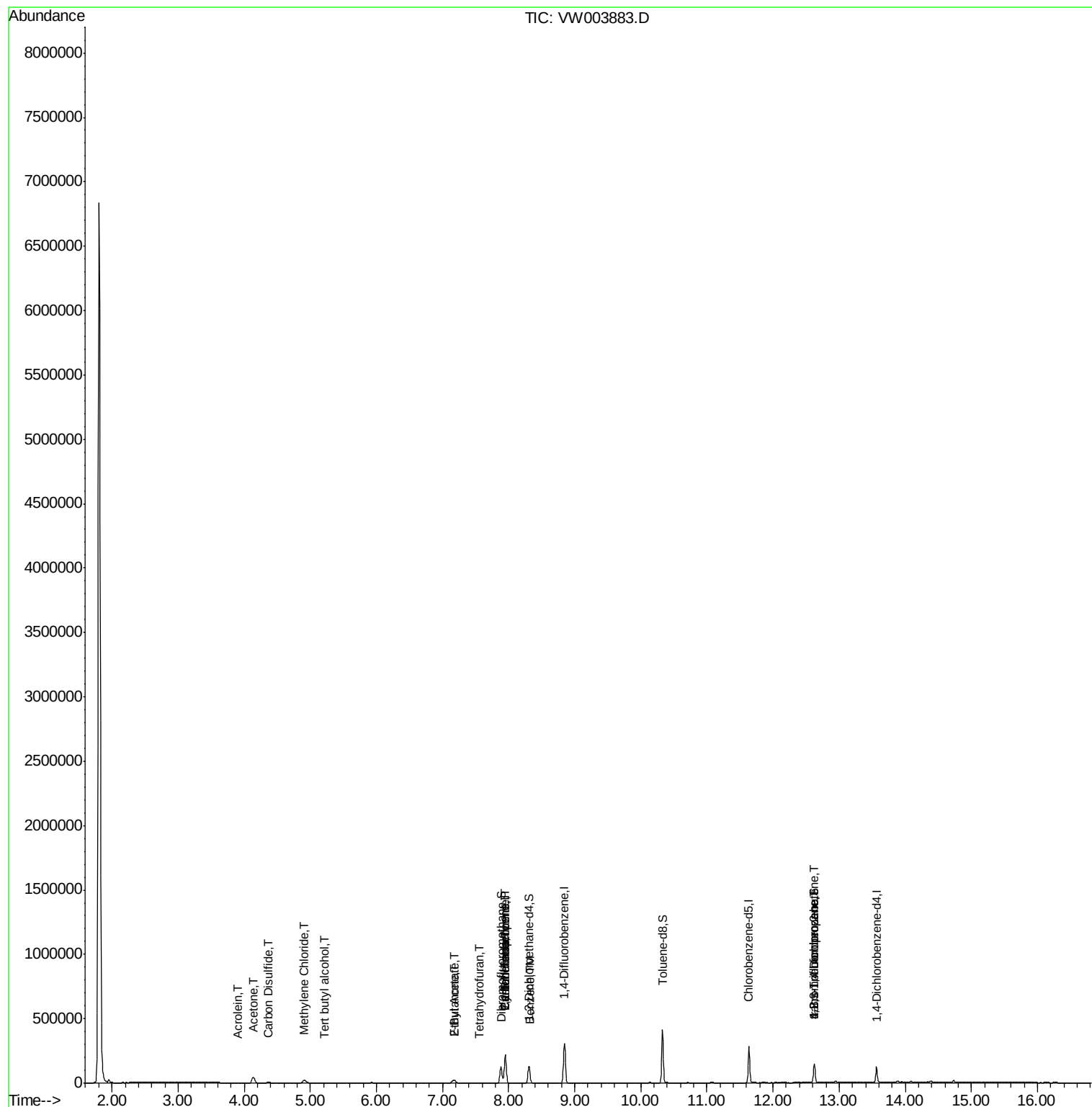
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	637	5.710	ug/l #	70
13) Acrolein	3.90	56	28	4.891	ug/l #	1
16) Acetone	4.14	43	90001	252.014	ug/l	98
17) Carbon Disulfide	4.36	76	15855	3.271	ug/l	99
20) Methylene Chloride	4.91	84	20073	7.836	ug/l	99
25) 2-Butanone	7.18	43	26873	48.043	ug/l	98
29) Tetrahydrofuran	7.54	42	453	1.260	ug/l #	56
31) Cyclohexane	7.95	56	4206	1.400	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	13076	5.051	ug/l #	50
37) Ethyl Acetate	7.18	43	26873	21.333	ug/l #	71
38) Carbon Tetrachloride	7.95	117	16188	6.577	ug/l #	18
40) Benzene	8.32	78	12398	1.675	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	23195	77.508	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	23195	189.603	ug/l #	8

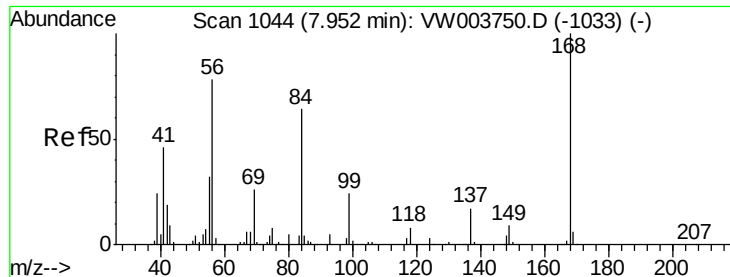
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003883.D

Acq: 12 Jul 2018 00:00

Instrument :

MSVOA_W

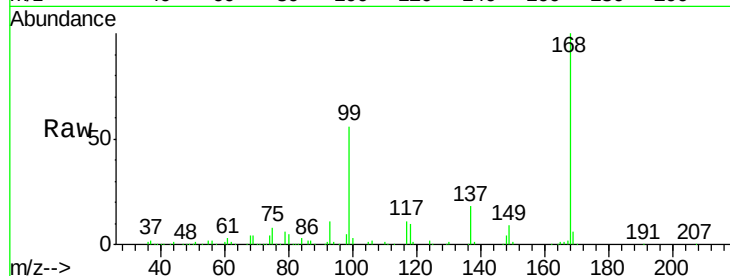
ClientSampleId :

Tot Ion:168 Resp: 157404

Ion Ratio Lower Upper

168 100

99 56.0 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

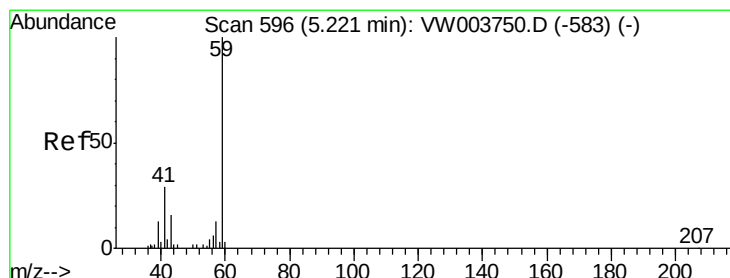
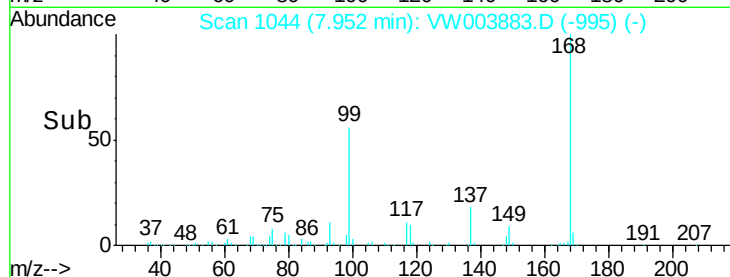
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 5.710 ug/l

RT: 5.22 min Scan# 596

Delta R.T. -0.00 min

Lab File: VW003883.D

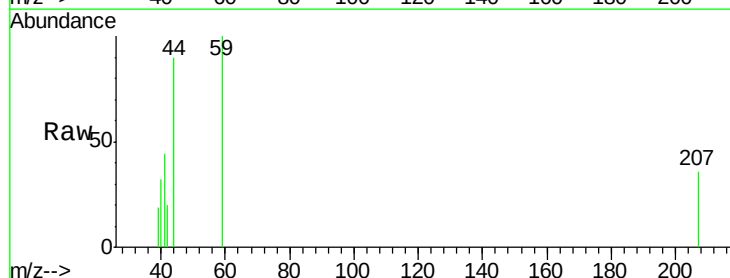
Acq: 12 Jul 2018 00:00

Tgt Ion: 59 Resp: 637

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

300

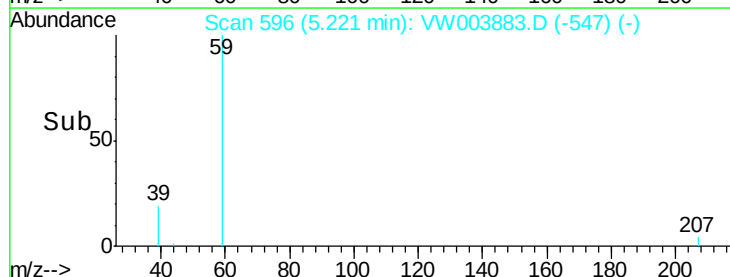
200

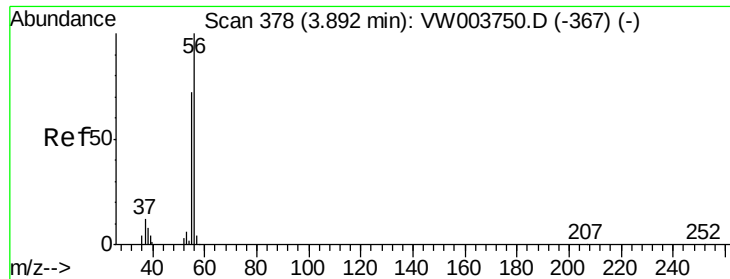
100

0

5.15 5.20 5.25

Time-->

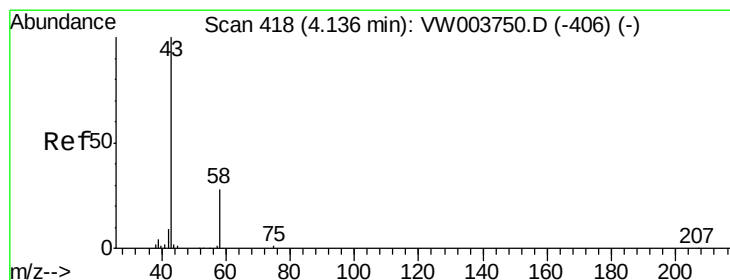
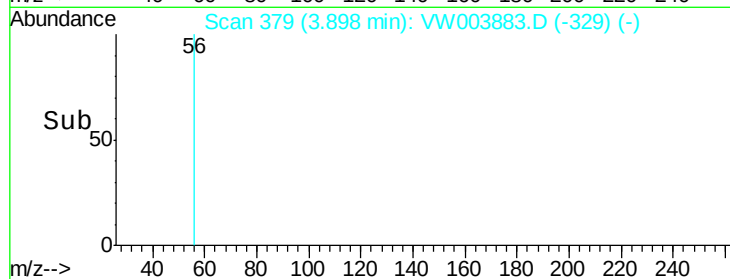
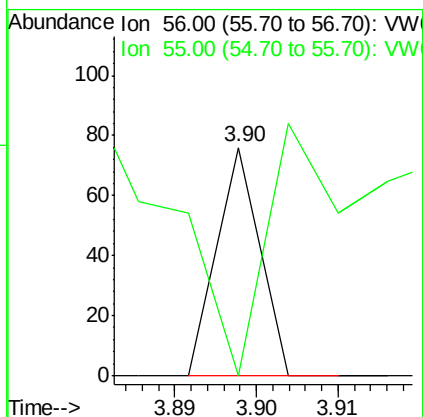
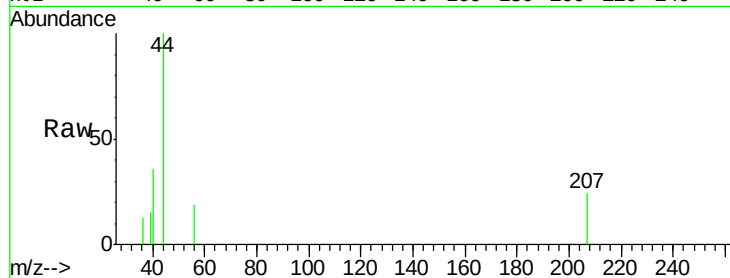




#13
Acrolein
Concen: 4.891 ug/l
RT: 3.90 min Scan# 379
Delta R.T. 0.01 min
Lab File: VW003883.D
Acq: 12 Jul 2018 00:00

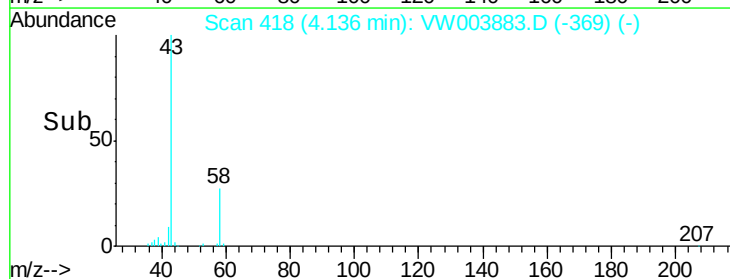
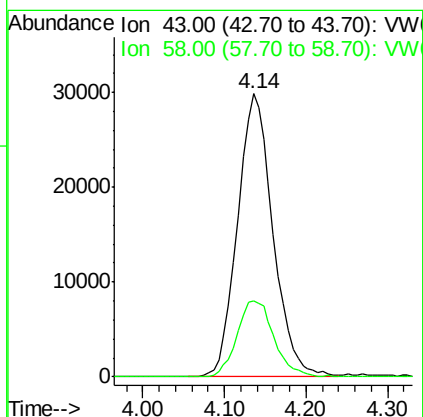
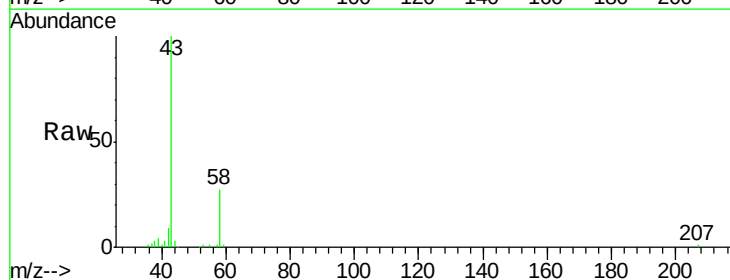
Instrument :
MSVOA_W
ClientSampled :

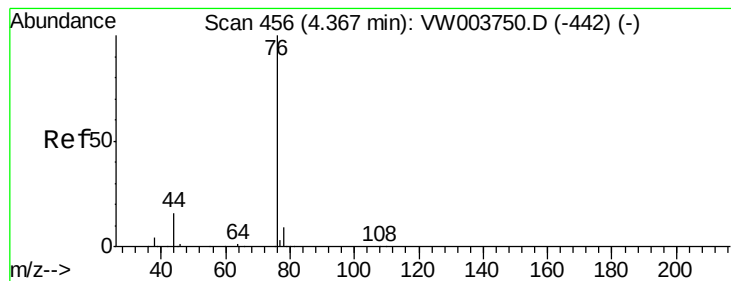
Tot Ion: 56 Resp: 28
Ion Ratio Lower Upper
56 100
55 360.7 57.5 86.3#



#16
Acetone
Concen: 252.014 ug/l
RT: 4.14 min Scan# 418
Delta R.T. -0.00 min
Lab File: VW003883.D
Acq: 12 Jul 2018 00:00

Tgt Ion: 43 Resp: 90001
Ion Ratio Lower Upper
43 100
58 27.0 22.6 34.0





#17

Carbon Disulfide

Concen: 3.271 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW003883.D

Acq: 12 Jul 2018 00:00

Instrument :

MSVOA_W

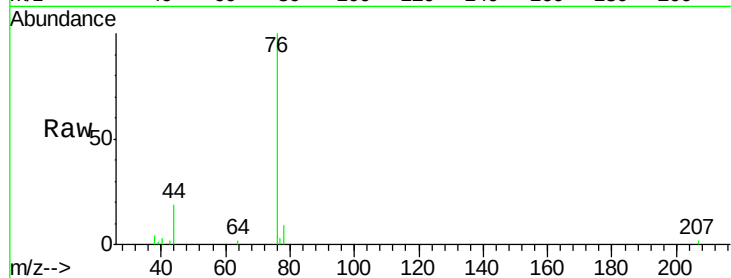
ClientSampled :

Tot Ion: 76 Resp: 15855

Ion Ratio Lower Upper

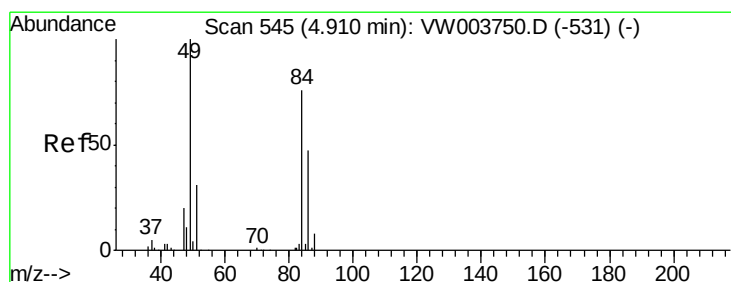
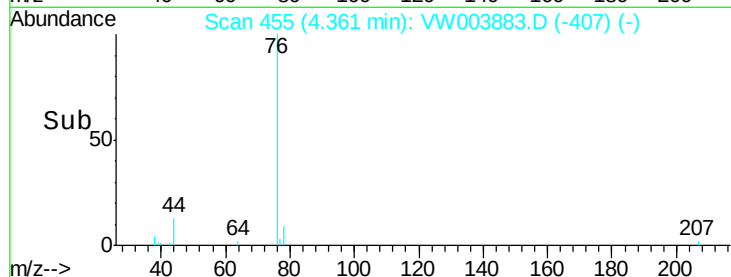
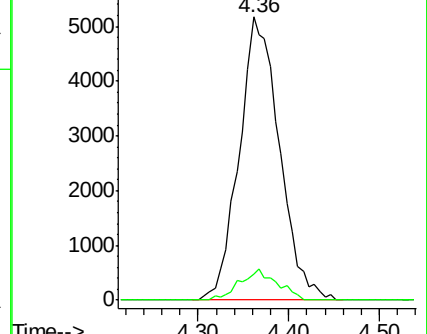
76 100

78 9.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 7.836 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003883.D

Acq: 12 Jul 2018 00:00

Tgt Ion: 84 Resp: 20073

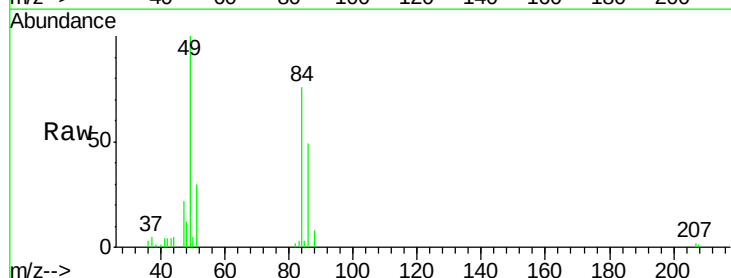
Ion Ratio Lower Upper

84 100

49 131.4 105.1 157.7

51 39.6 32.5 48.7

86 64.0 49.8 74.6

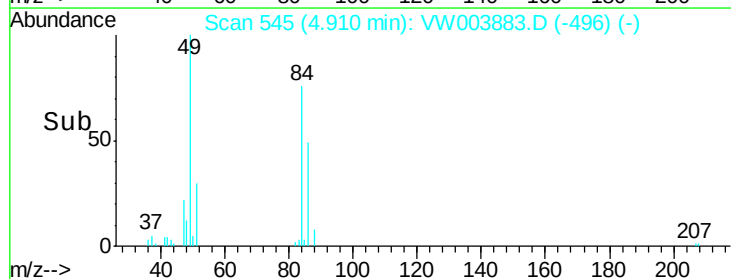
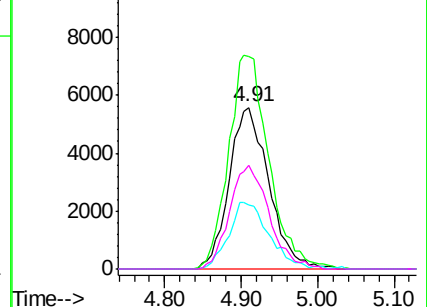


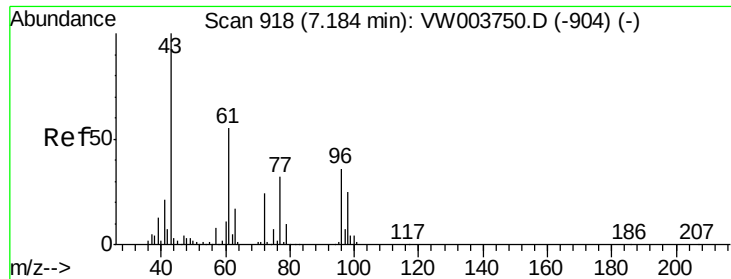
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 48.043 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003883.D

Acq: 12 Jul 2018 00:00

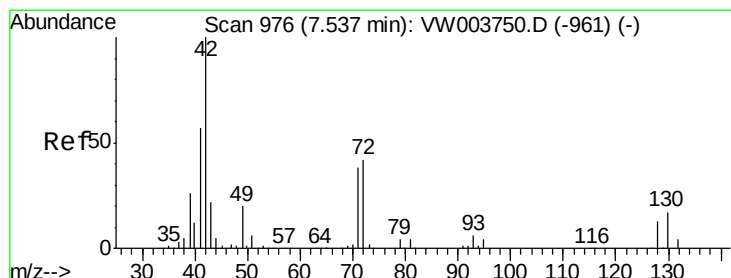
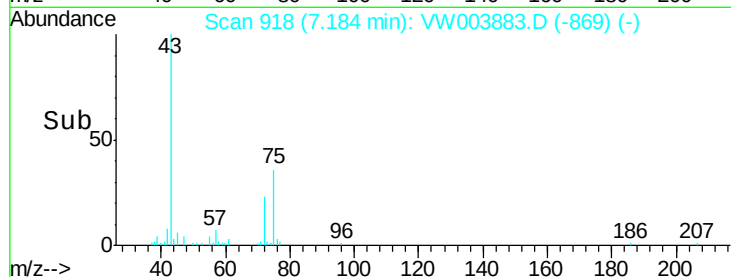
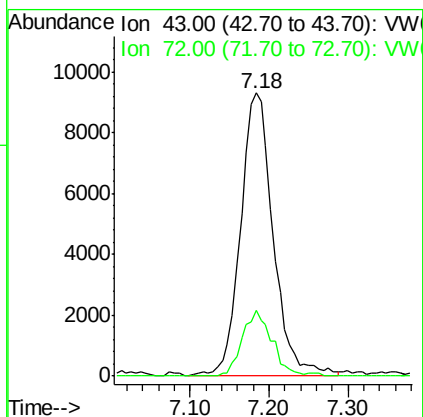
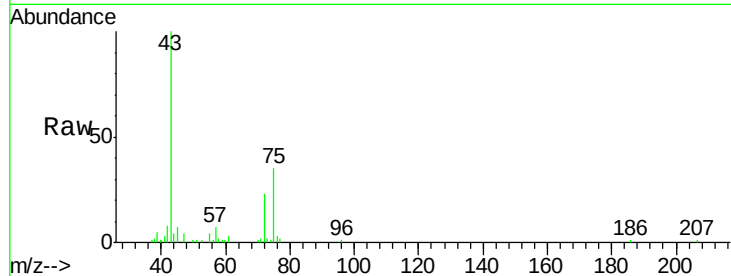
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 26873

Ion Ratio Lower Upper

43 100

72 23.2 19.4 29.2



#29

Tetrahydrofuran

Concen: 1.260 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003883.D

Acq: 12 Jul 2018 00:00

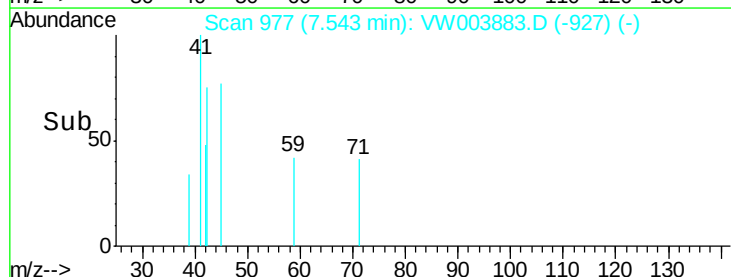
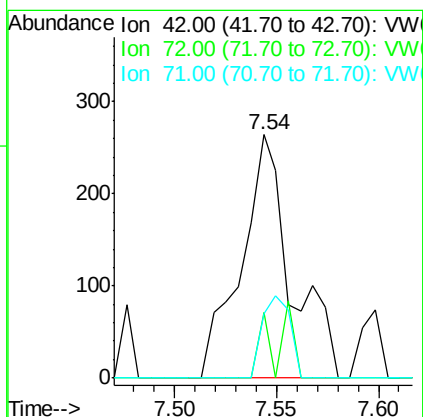
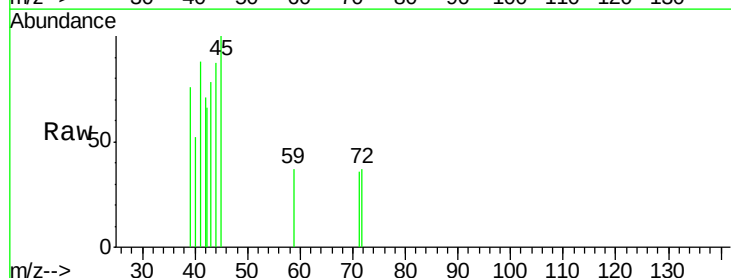
Tgt Ion: 42 Resp: 453

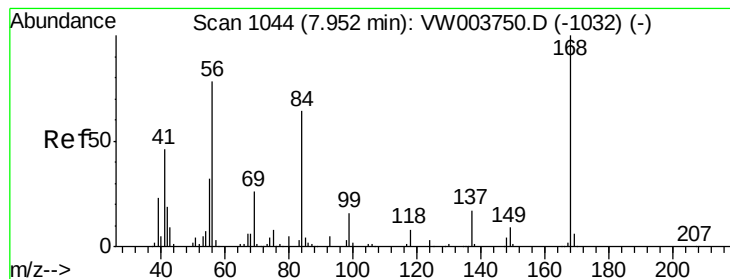
Ion Ratio Lower Upper

42 100

72 5.7 31.8 47.8#

71 18.8 30.3 45.5#





#31

Cyclohexane

Concen: 1.400 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003883.D

Acq: 12 Jul 2018 00:00

Instrument :

MSVOA_W

ClientSampleId :

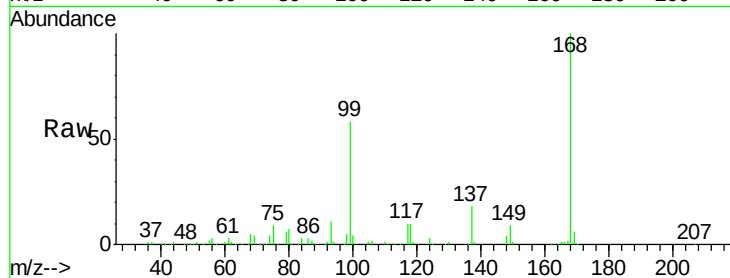
Tot Ion: 56 Resp: 4206

Ion Ratio Lower Upper

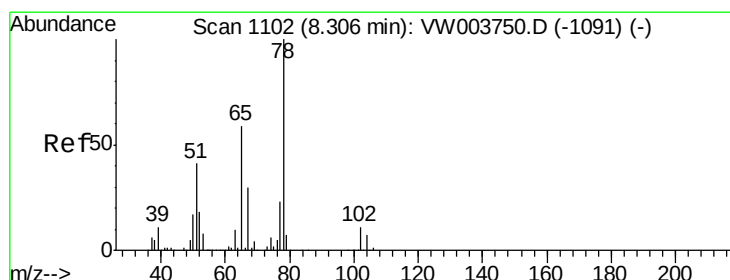
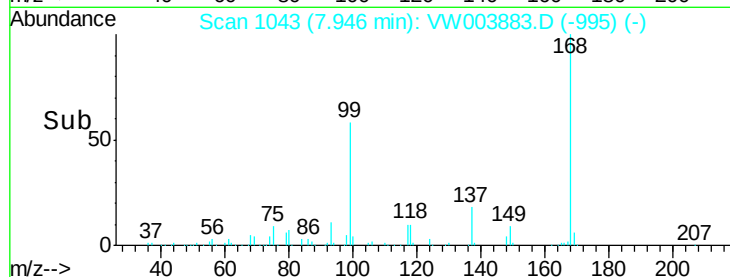
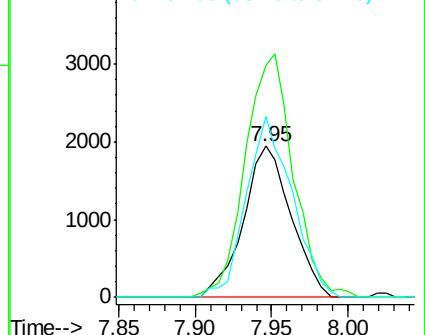
56 100

69 153.2 26.2 39.4#

84 119.8 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: 50.041 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003883.D

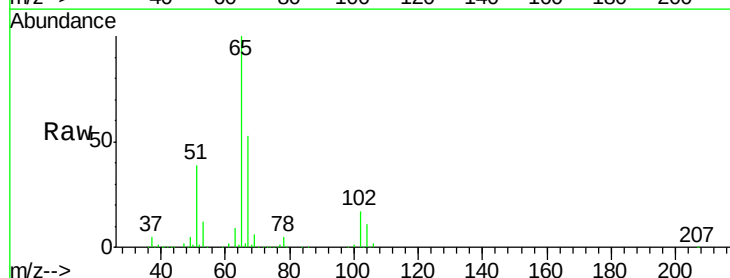
Acq: 12 Jul 2018 00:00

Tgt Ion: 65 Resp: 103004

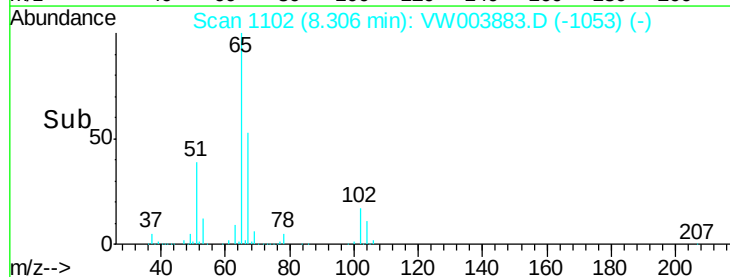
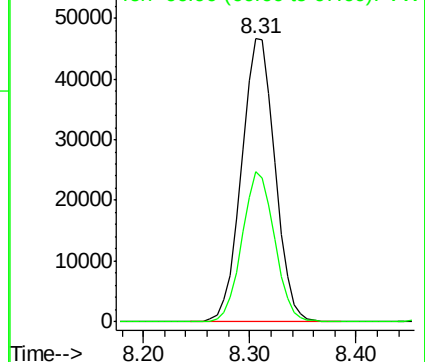
Ion Ratio Lower Upper

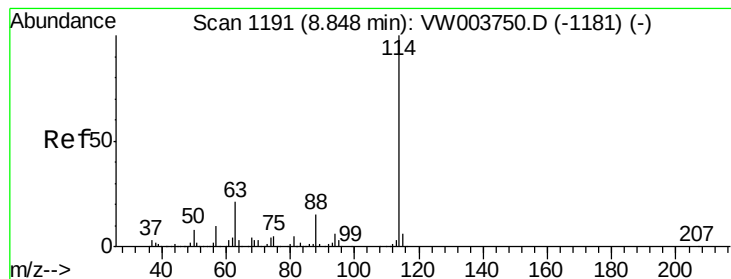
65 100

67 51.6 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: VW003883.D

Acq: 12 Jul 2018 00:00

Instrument :

MSVOA_W

ClientSampleId :

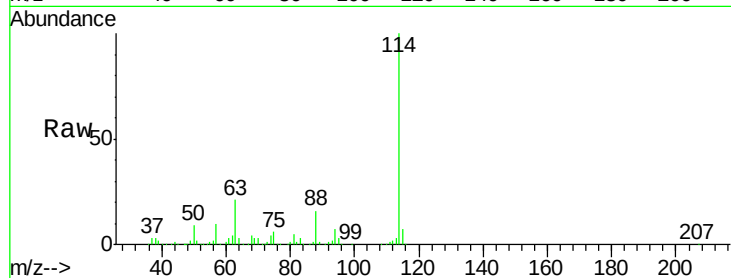
Tot Ion:114 Resp: 243990

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.8

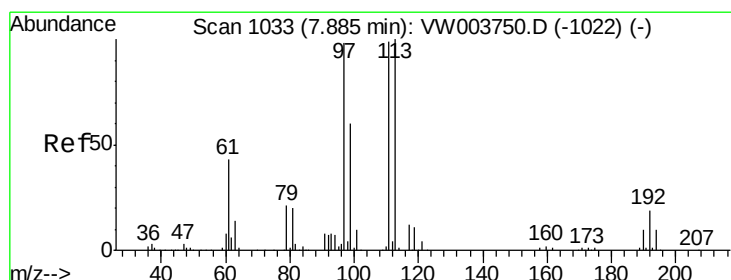
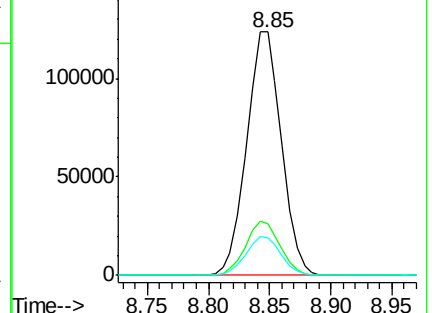
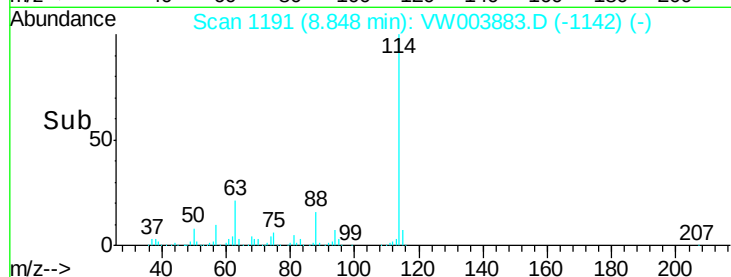
88 15.6 0.0 30.2



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



#35

Dibromofluoromethane

Concen: 52.544 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003883.D

Acq: 12 Jul 2018 00:00

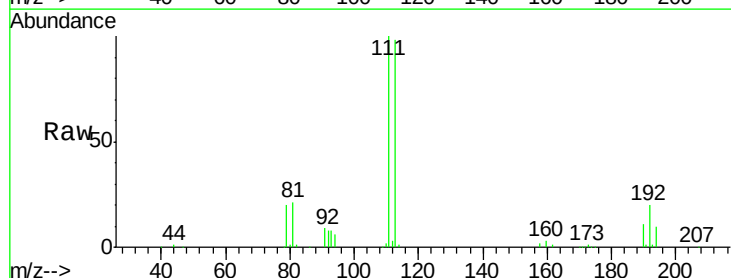
Tgt Ion:113 Resp: 89726

Ion Ratio Lower Upper

113 100

111 102.8 81.7 122.5

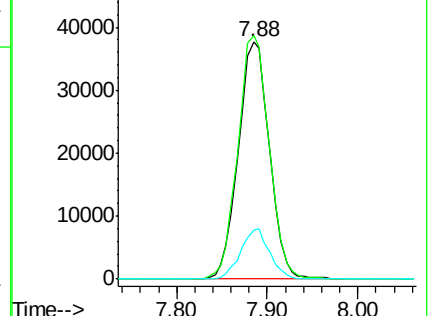
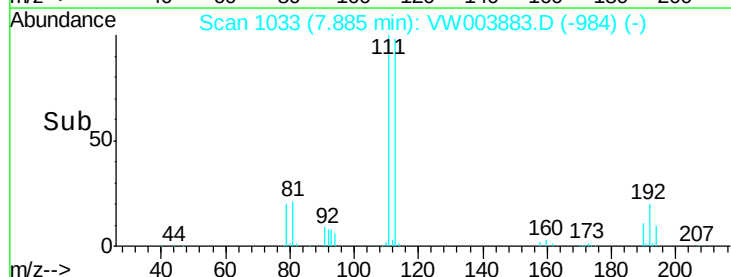
192 19.8 15.8 23.8

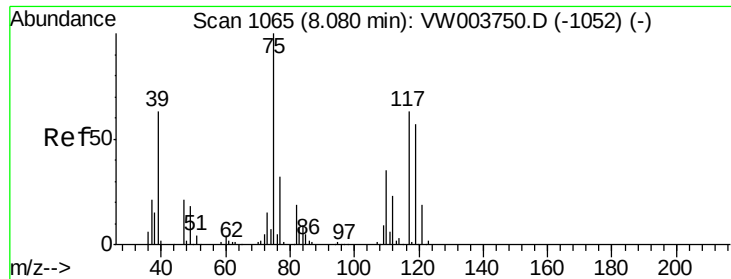


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

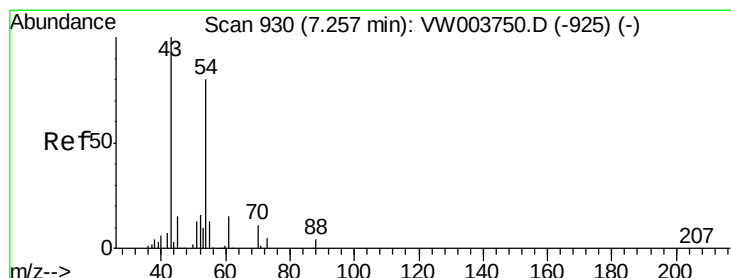
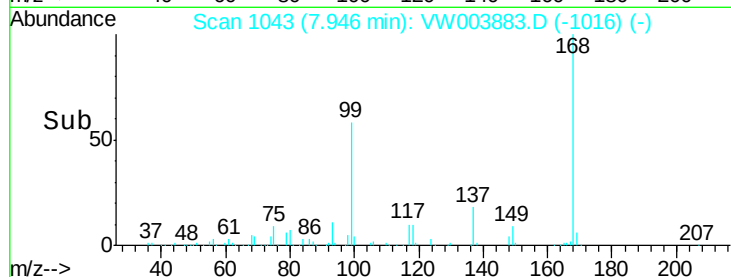
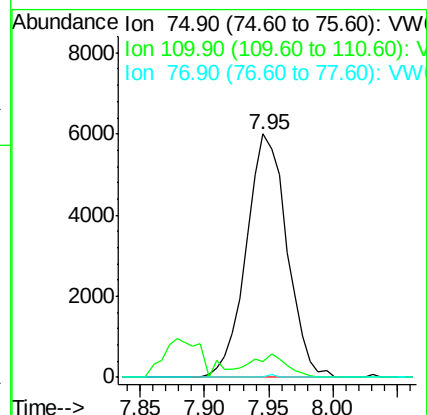
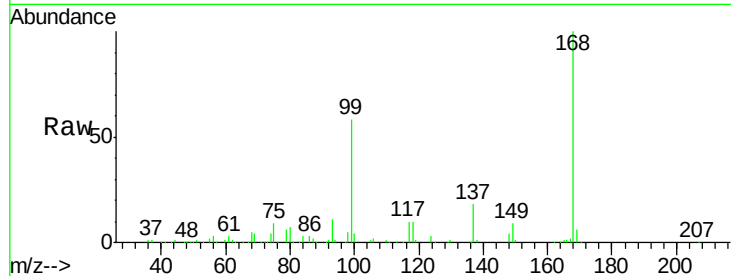




#36
 1,1-Dichloropropene
 Concen: 5.051 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003883.D
 Acq: 12 Jul 2018 00:00

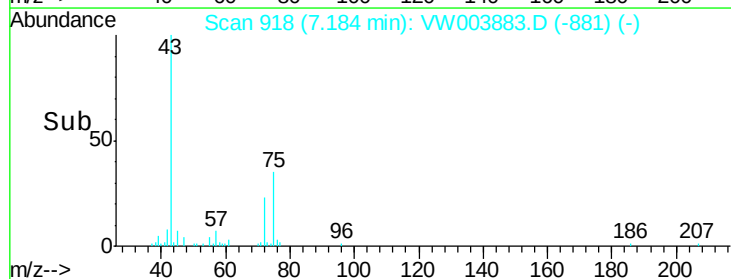
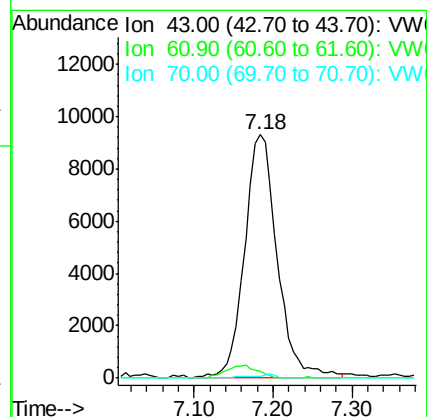
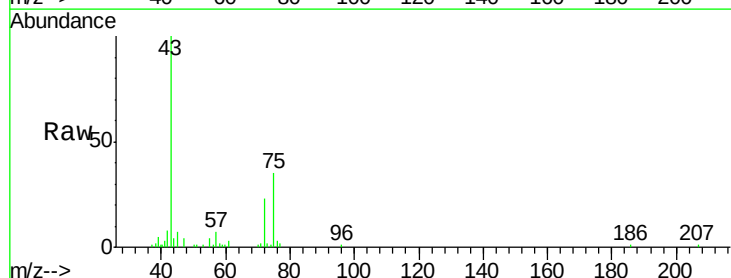
Instrument :
 MSVOA_W
 ClientSampleId :

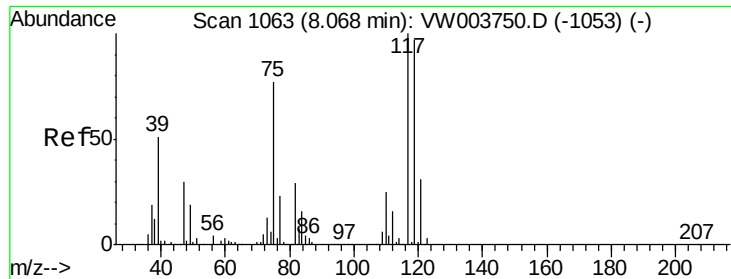
Tot Ion: 75 Resp: 13076
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.9 50.6#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 21.333 ug/l
 RT: 7.18 min Scan# 918
 Delta R.T. -0.07 min
 Lab File: VW003883.D
 Acq: 12 Jul 2018 00:00

Tgt Ion: 43 Resp: 26873
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 15.8#
 70 0.6 7.5 11.3#

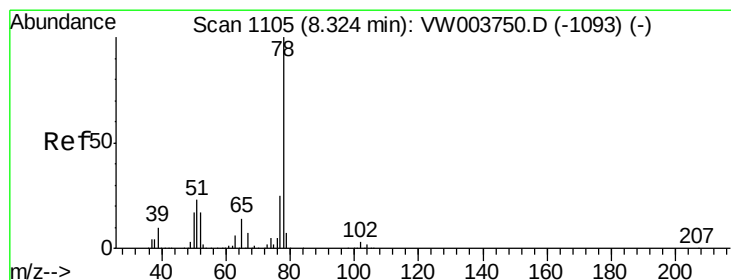
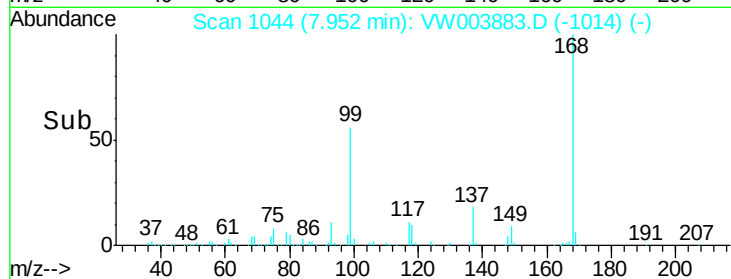
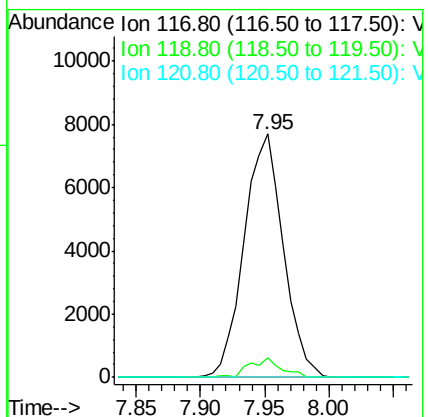
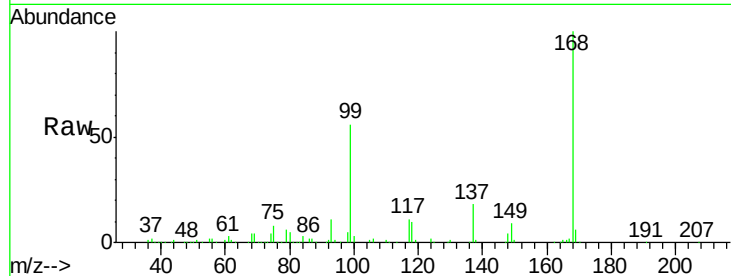




#38
Carbon Tetrachloride
Concen: 6.577 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003883.D
Acq: 12 Jul 2018 00:00

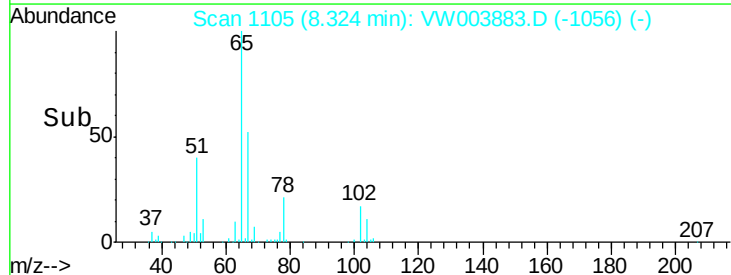
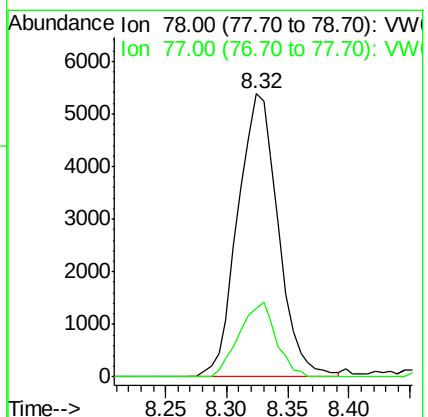
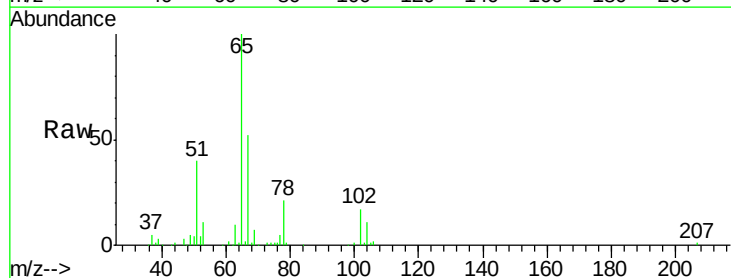
Instrument :
MSVOA_W
ClientSampled :

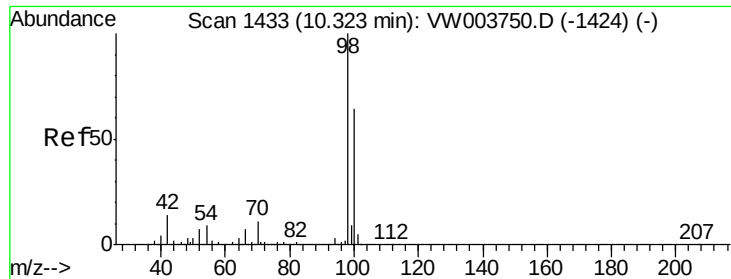
Tot Ion:117 Resp: 16188
Ion Ratio Lower Upper
117 100
119 8.2 77.4 116.2#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 1.675 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003883.D
Acq: 12 Jul 2018 00:00

Tgt Ion: 78 Resp: 12398
Ion Ratio Lower Upper
78 100
77 24.2 19.7 29.5





#50

Toluene-d8

Concen: 40.966 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003883.D

Acq: 12 Jul 2018 00:00

Instrument :

MSVOA_W

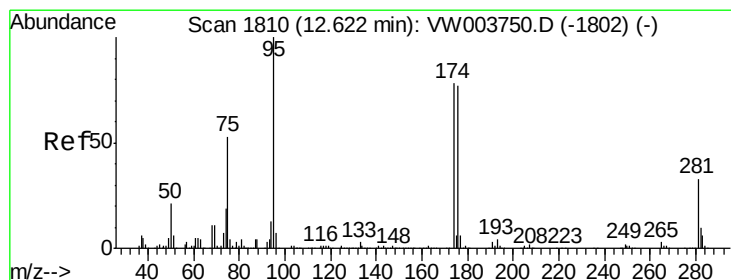
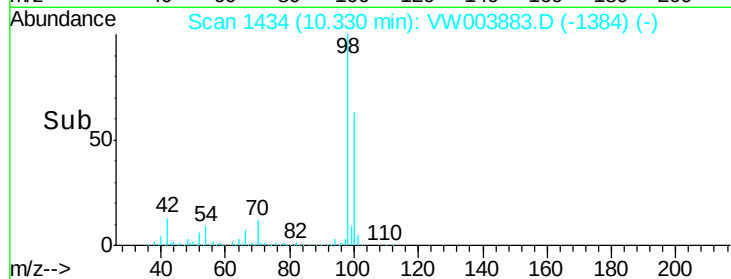
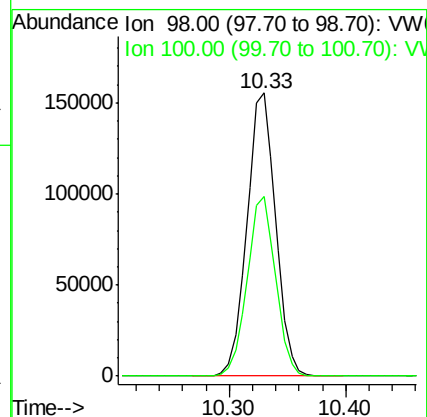
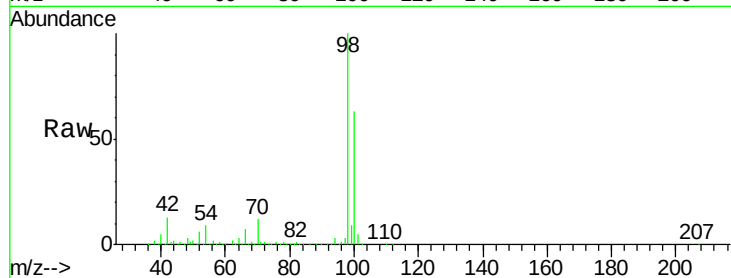
ClientSampleId :

Tot Ion: 98 Resp: 267596

Ion Ratio Lower Upper

98 100

100 62.8 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 18.347 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003883.D

Acq: 12 Jul 2018 00:00

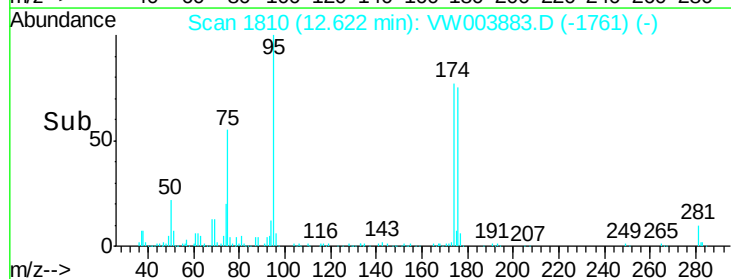
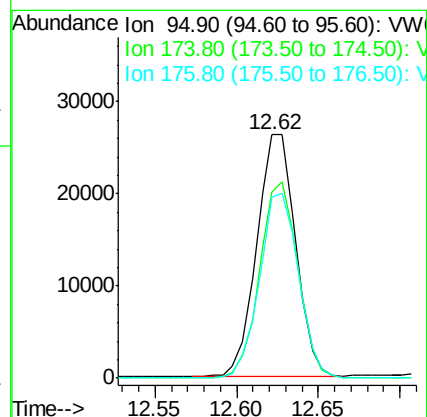
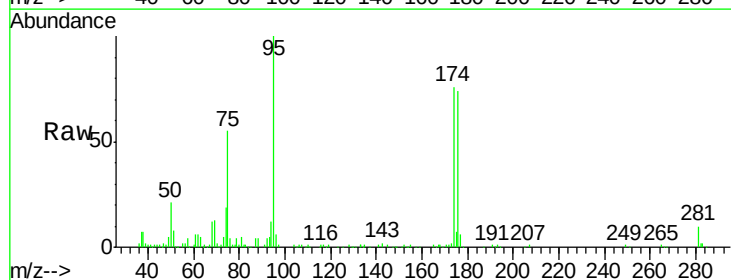
Tgt Ion: 95 Resp: 43362

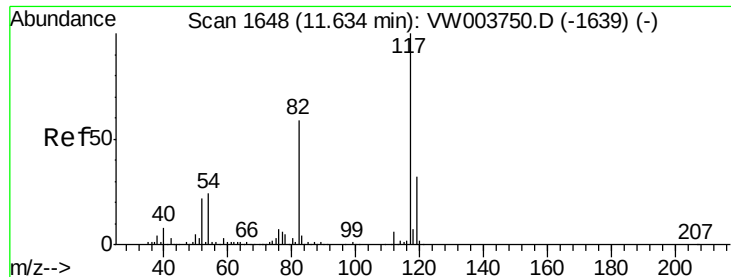
Ion Ratio Lower Upper

95 100

174 79.9 0.0 163.4

176 77.0 0.0 156.8

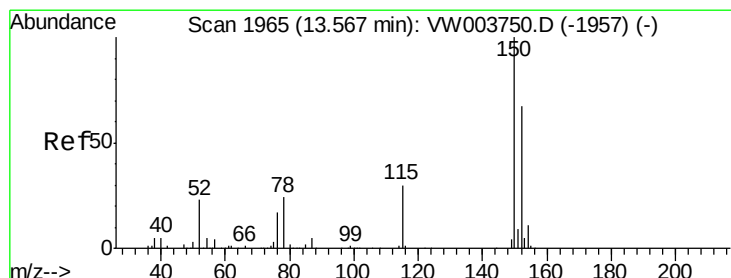
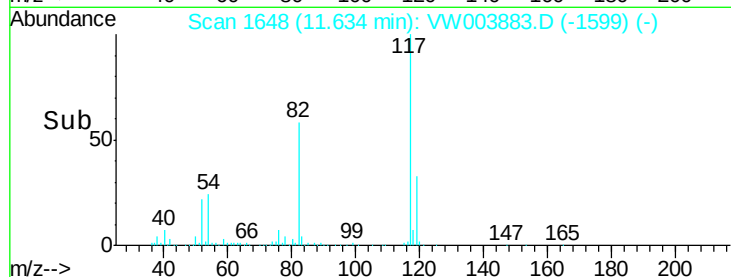
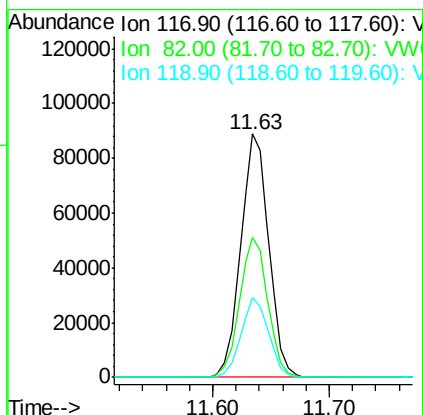
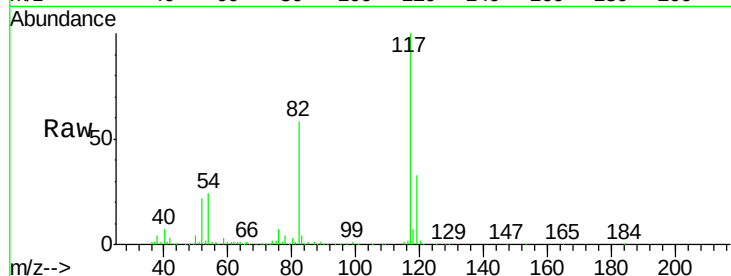




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003883.D
Acq: 12 Jul 2018 00:00

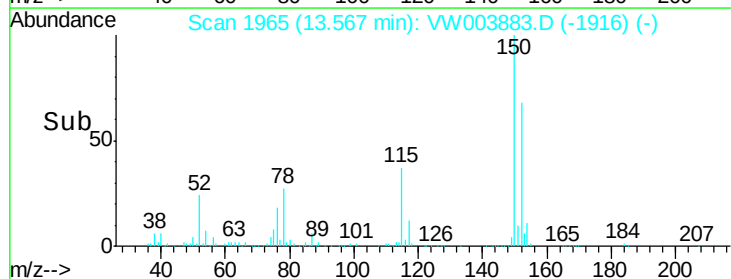
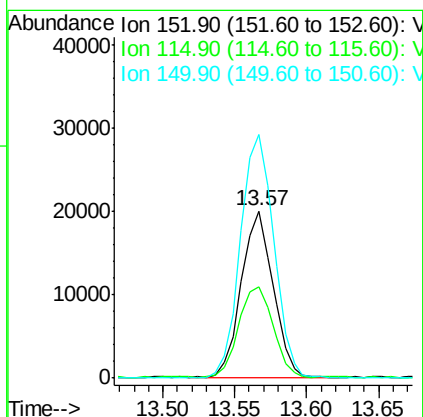
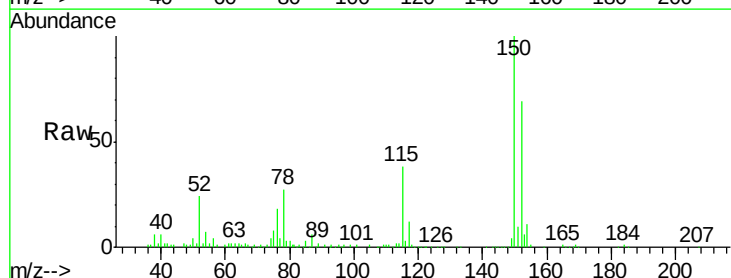
Instrument :
MSVOA_W
ClientSampleId :

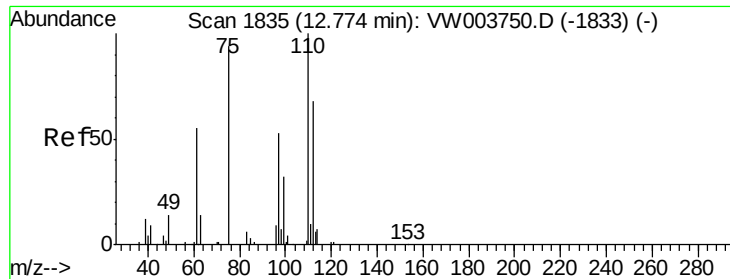
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.9	70.3
119	32.8	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003883.D
Acq: 12 Jul 2018 00:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.9	86.8
150	154.5	0.0	342.4





#76

1,2,3-Trichloropropane

Concen: 77.508 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003883.D

Acq: 12 Jul 2018 00:00

Instrument :

MSVOA_W

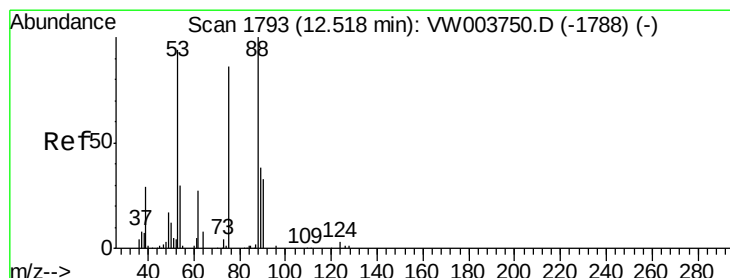
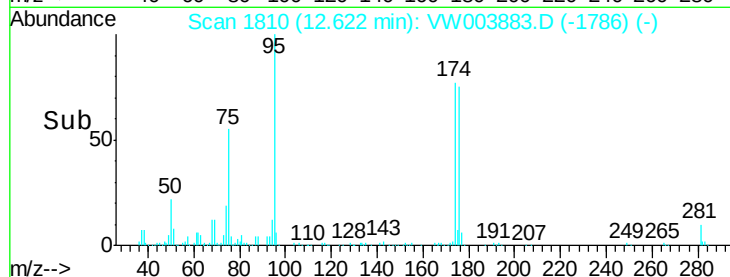
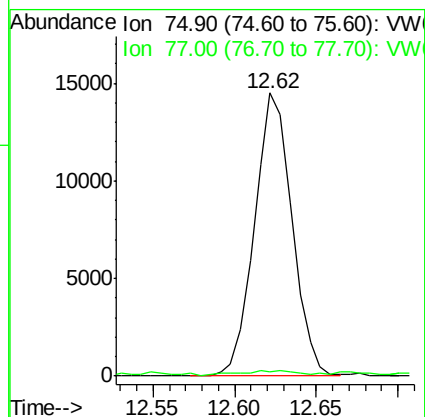
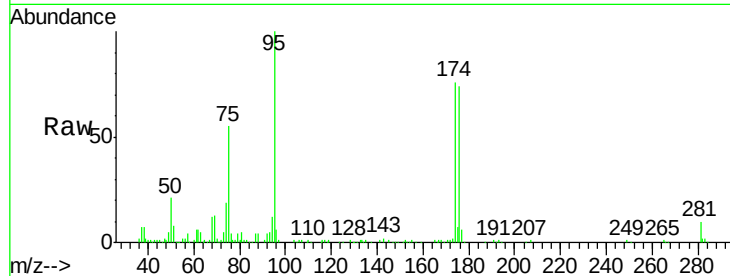
ClientSampleId :

Tot Ion: 75 Resp: 23195

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 189.603 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003883.D

Acq: 12 Jul 2018 00:00

Tgt Ion: 75 Resp: 23195

Ion Ratio Lower Upper

75 100

53 0.0 85.0 127.6#

89 0.4 36.3 54.5#

