

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002583.D
 Acq On : 16 May 2018 06:48
 Operator : JC/SY
 Sample : J2785-13
 Misc : 5.05G/10ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-5A

Quant Time: May 16 08:10:14 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	14046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	19806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	13459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	3982	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	8290	57.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.24%	
35) Dibromofluoromethane	7.88	113	6525	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
50) Toluene-d8	10.33	98	14830	31.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.04%	
62) 4-Bromofluorobenzene	12.63	95	4506	25.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.56%	

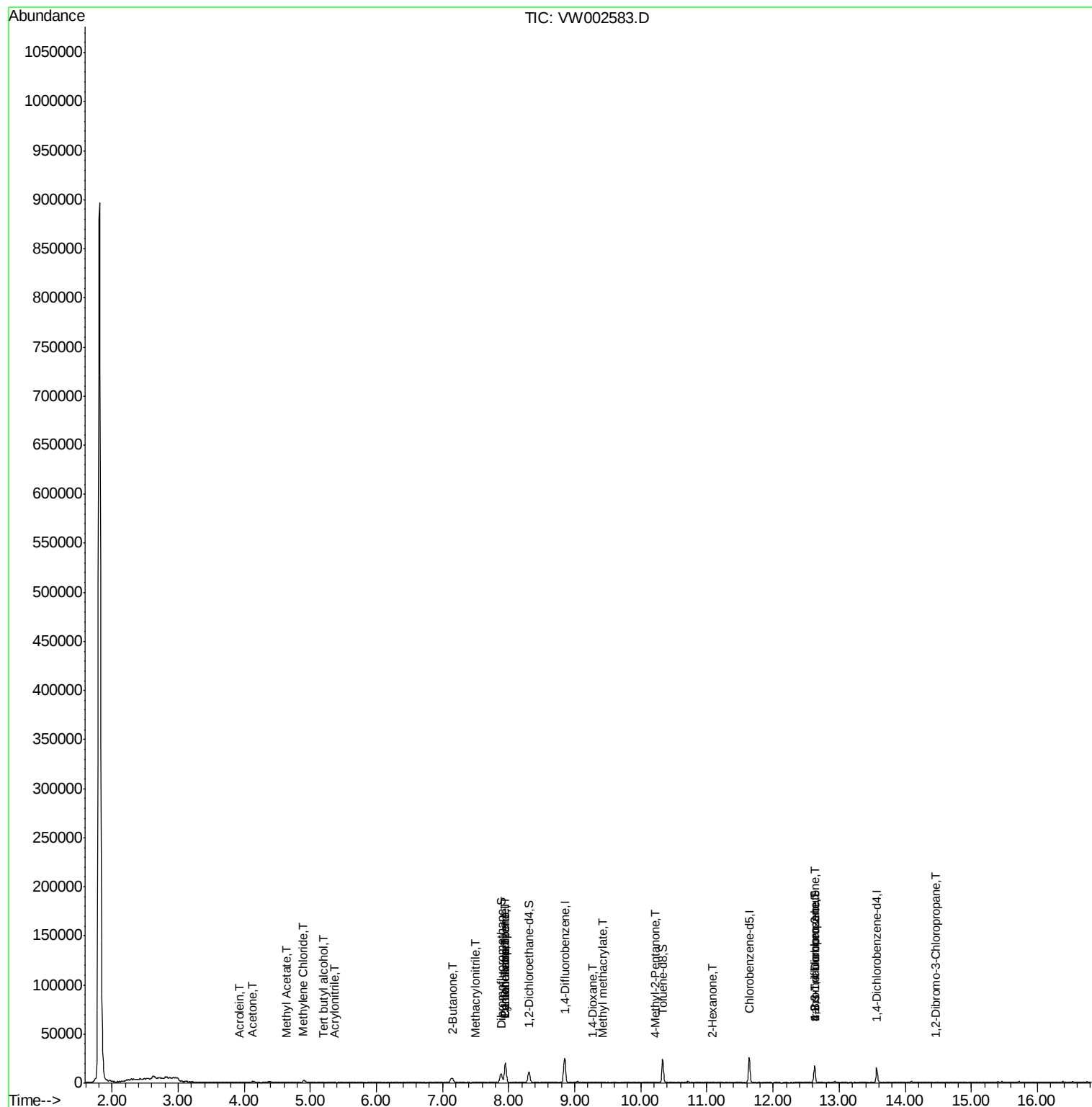
Target Compounds						Qvalue
11) Tert butyl alcohol	5.20	59	58	5.20	ug/l #	72
13) Acrolein	3.94	56	22	2.00	ug/l #	14
15) Acrylonitrile	5.37	53	46	1.49	ug/l #	17
16) Acetone	4.12	43	1584	51.69	ug/l	98
18) Methyl Acetate	4.65	43	257	2.88	ug/l #	51
20) Methylene Chloride	4.90	84	771	3.78	ug/l #	51
25) 2-Butanone	7.16	43	326	7.52	ug/l #	49
31) Cyclohexane	7.94	56	294	1.43	ug/l #	43
36) 1,1-Dichloropropene	7.95	75	1265	7.24	ug/l #	41
38) Carbon Tetrachloride	7.95	117	1504	8.79	ug/l #	20
41) Methacrylonitrile	7.49	41	114	2.35	ug/l #	29
48) Methyl methacrylate	9.43	41	140	1.73	ug/l #	10
49) 1,4-Dioxane	9.27	88	21	17.32	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	243	2.65	ug/l #	37
59) 2-Hexanone	11.09	43	137	2.17	ug/l	74
76) 1,2,3-Trichloropropane	12.63	75	2288	60.79	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	2288	165.73	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.46	75	44	5.01	ug/l #	1

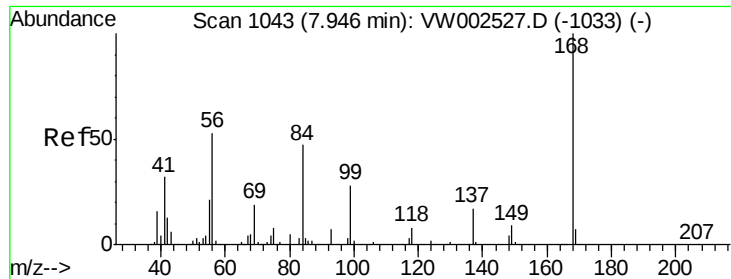
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002583.D

Acq: 16 May 2018 06:48

Instrument :

MSVOA_W

ClientSampled :

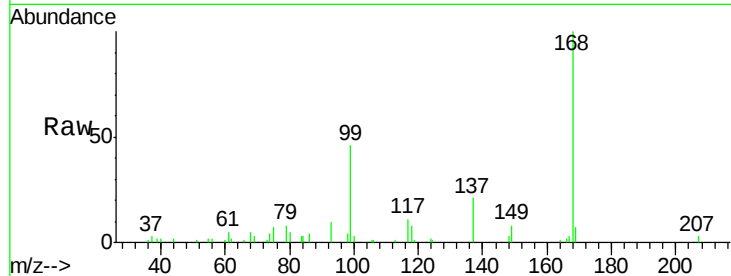
BP-5A

Tgt Ion:168 Resp: 14046

Ion Ratio Lower Upper

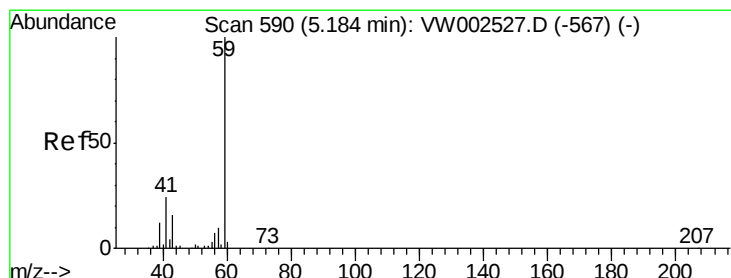
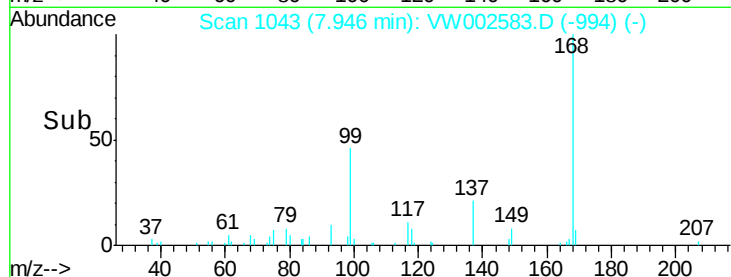
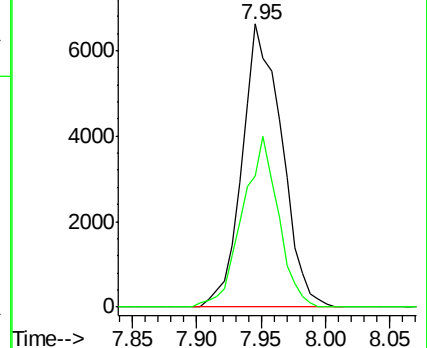
168 100

99 46.4 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.20 ug/l

RT: 5.20 min Scan# 593

Delta R.T. 0.02 min

Lab File: VW002583.D

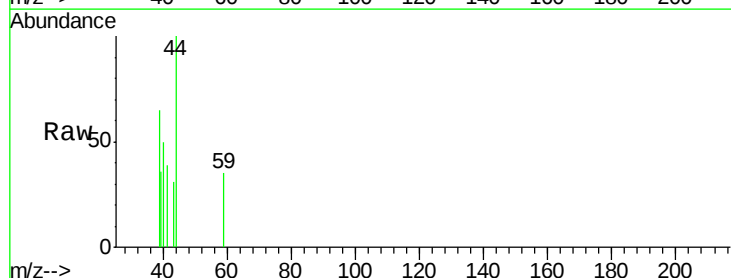
Acq: 16 May 2018 06:48

Tgt Ion: 59 Resp: 58

Ion Ratio Lower Upper

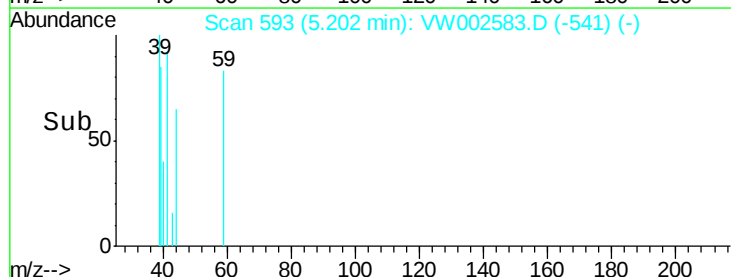
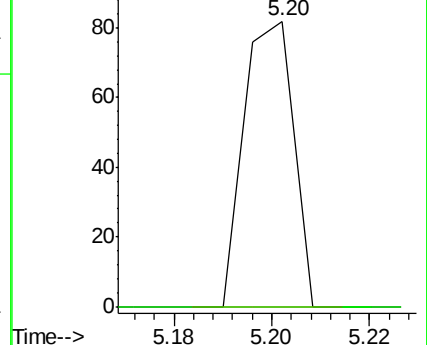
59 100

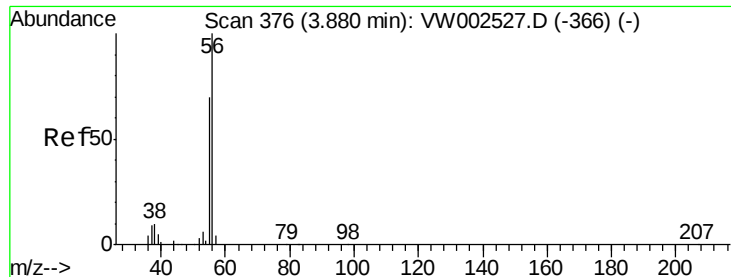
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.00 ug/l

RT: 3.94 min Scan# 386

Delta R.T. 0.06 min

Lab File: VW002583.D

Acq: 16 May 2018 06:48

Instrument :

MSVOA_W

ClientSampleId :

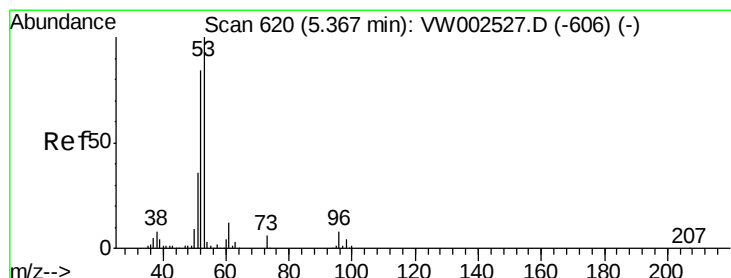
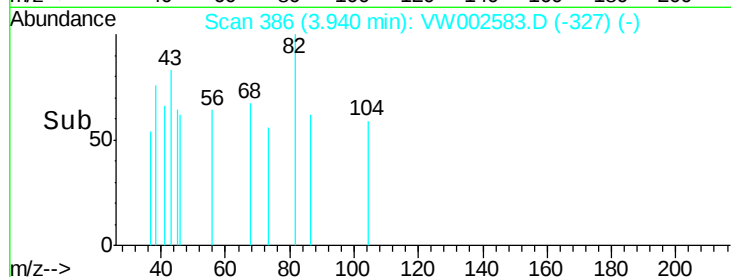
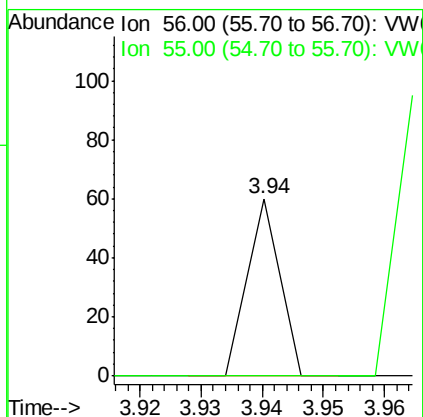
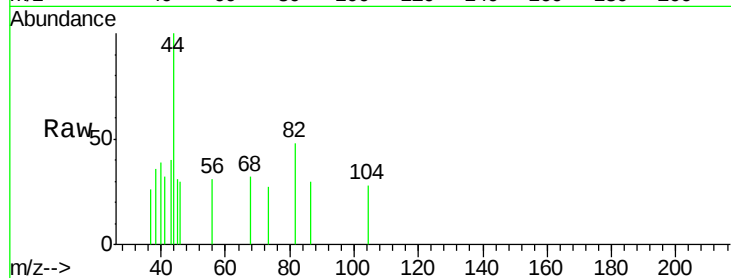
BP-5A

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#15

Acrylonitrile

Concen: 1.49 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW002583.D

Acq: 16 May 2018 06:48

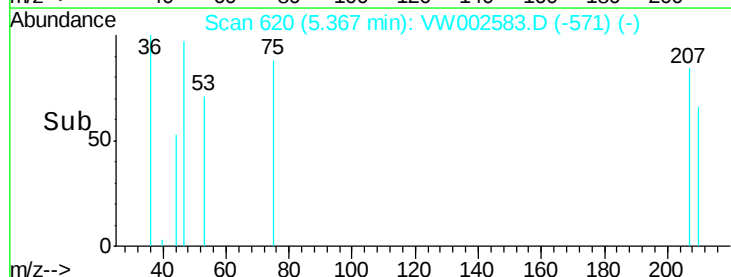
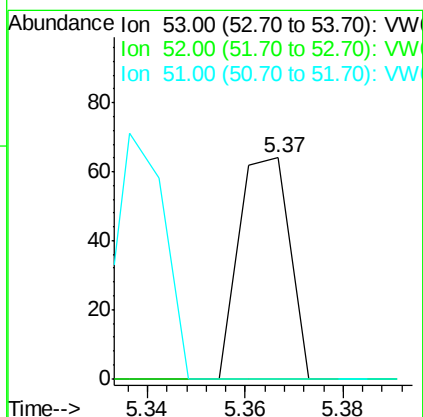
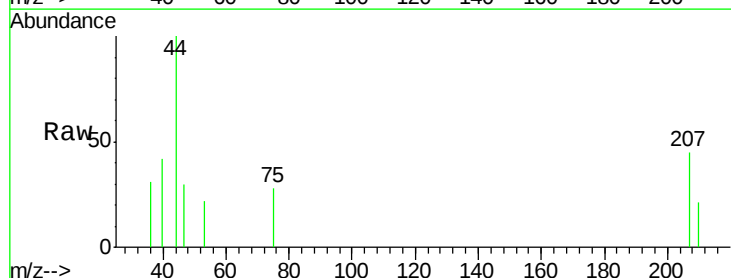
Tgt Ion: 53 Resp: 46

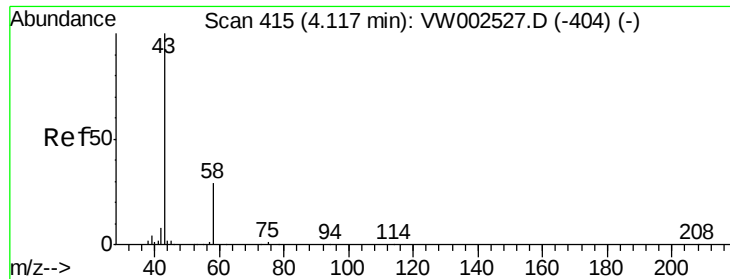
Ion Ratio Lower Upper

53 100

52 0.0 66.6 100.0#

51 0.0 30.6 46.0#





#16

Acetone

Concen: 51.69 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002583.D

Acq: 16 May 2018 06:48

Instrument :

MSVOA_W

ClientSampleId :

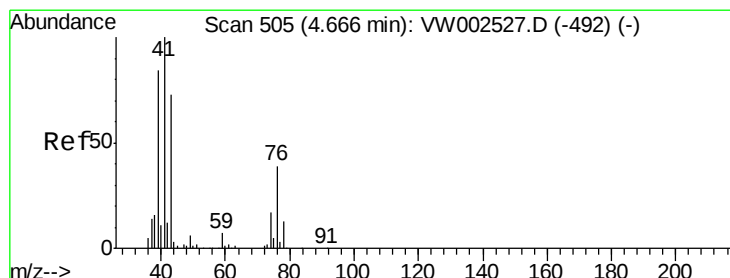
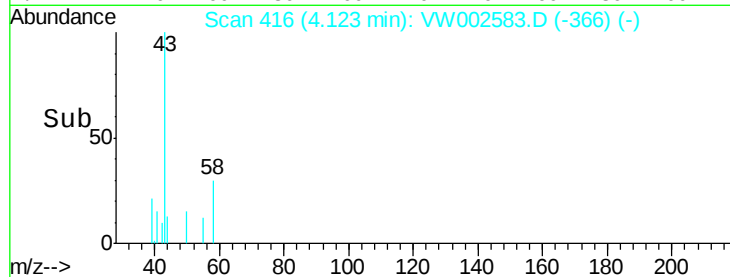
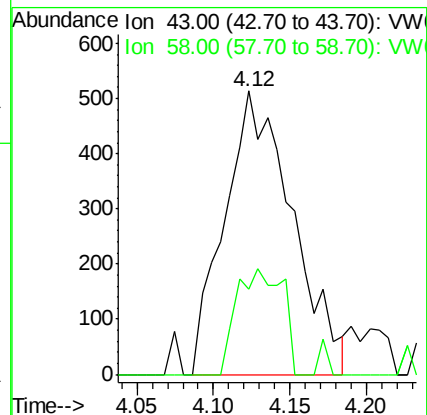
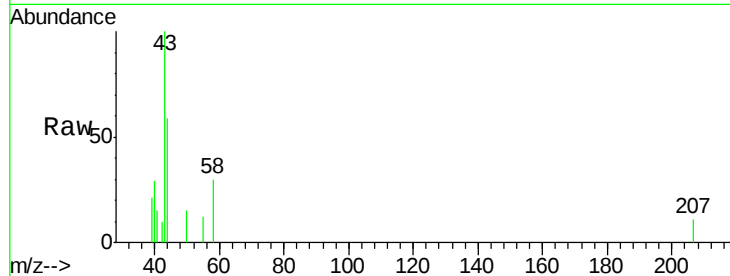
BP-5A

Tgt Ion: 43 Resp: 1584

Ion Ratio Lower Upper

43 100

58 30.2 23.4 35.0



#18

Methyl Acetate

Concen: 2.88 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.01 min

Lab File: VW002583.D

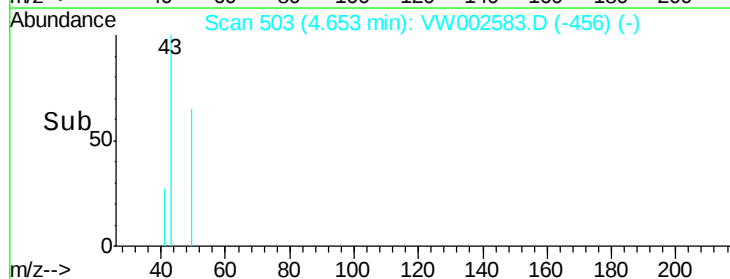
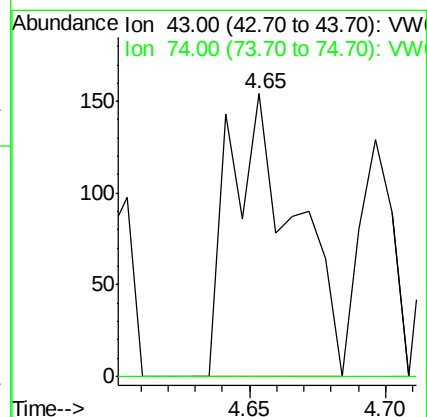
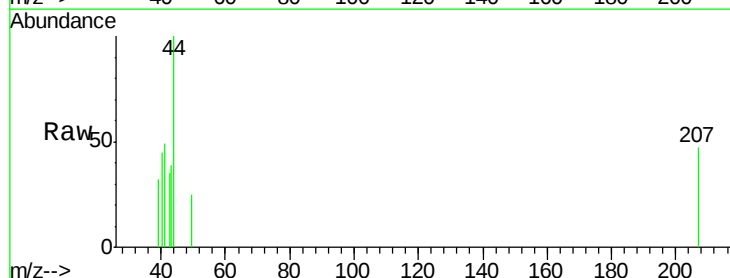
Acq: 16 May 2018 06:48

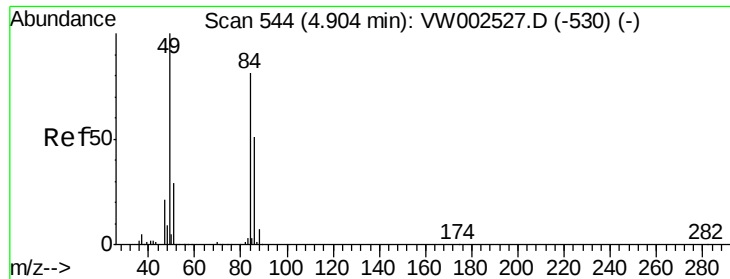
Tgt Ion: 43 Resp: 257

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#

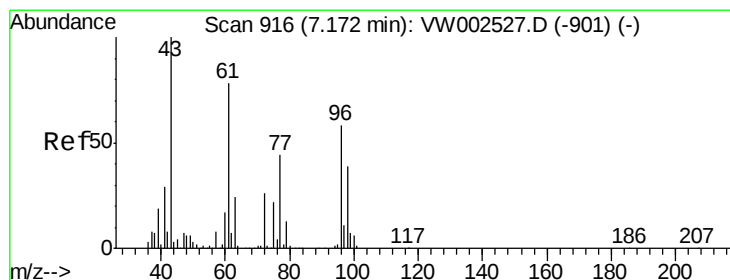
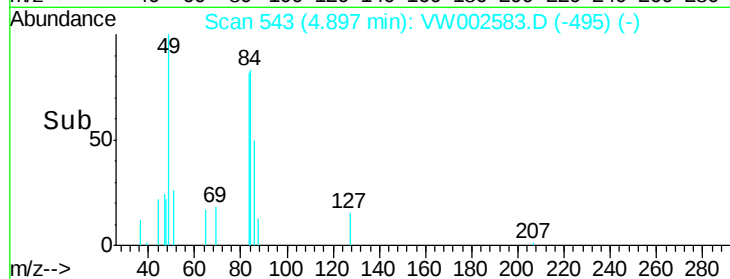
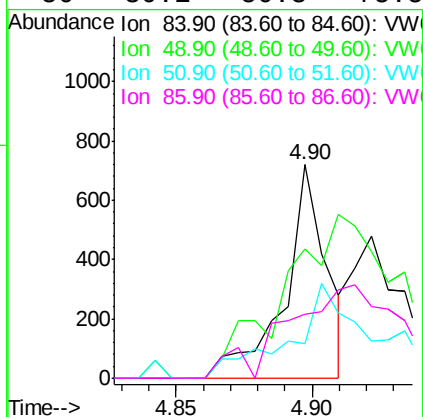
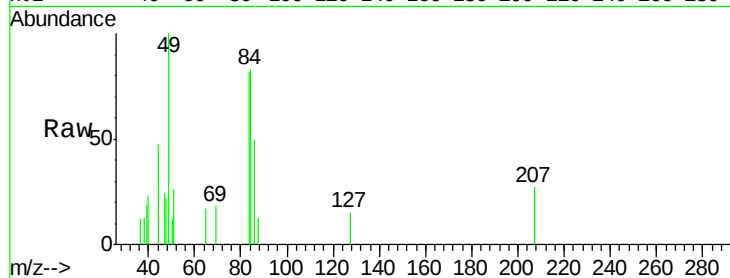




#20
Methylene Chloride
Concen: 3.78 ug/l
RT: 4.90 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW002583.D
Acq: 16 May 2018 06:48

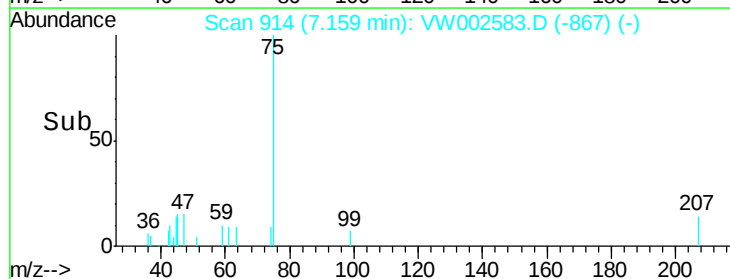
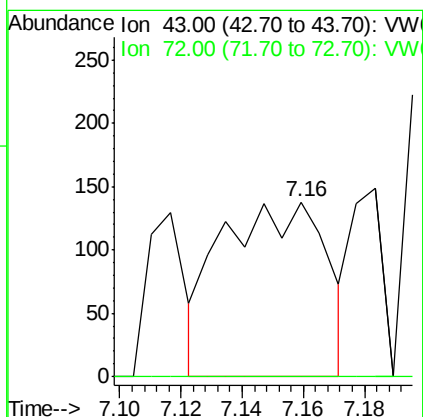
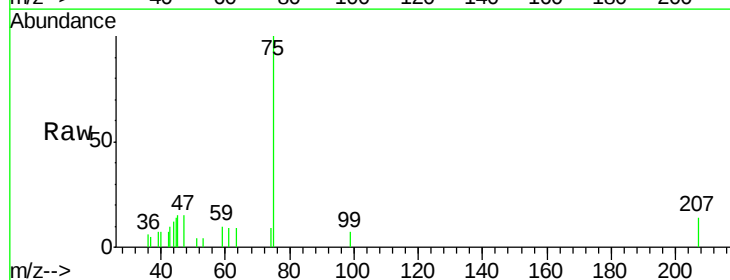
Instrument :
MSVOA_W
ClientSampled :
BP-5A

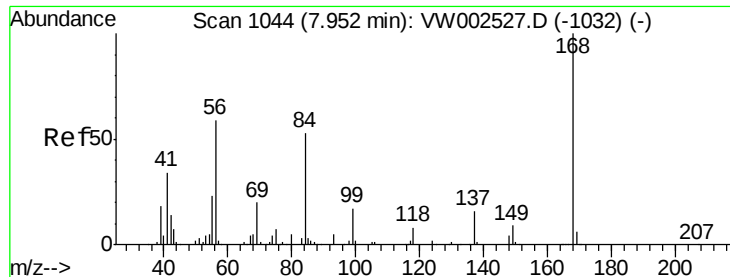
Tgt Ion: 84 Resp: 771
Ion Ratio Lower Upper
84 100
49 60.6 99.4 149.0#
51 16.0 29.0 43.6#
86 30.1 50.3 75.5#



#25
2-Butanone
Concen: 7.52 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW002583.D
Acq: 16 May 2018 06:48

Tgt Ion: 43 Resp: 326
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#

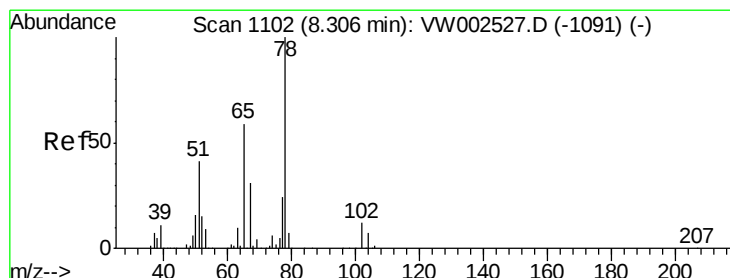
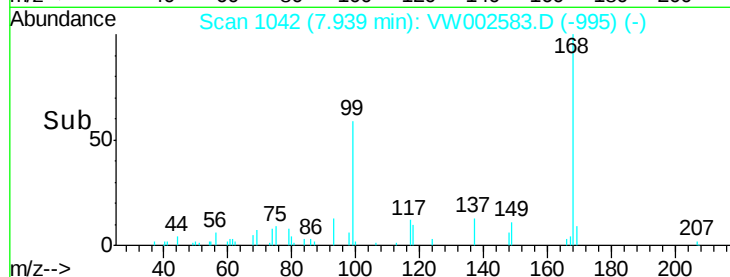
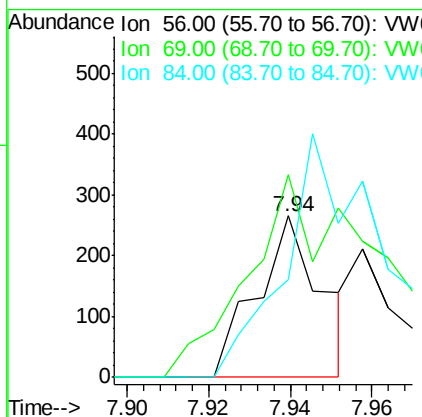
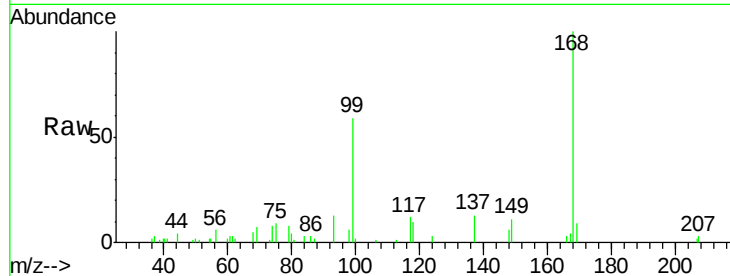




#31
Cyclohexane
Concen: 1.43 ug/l
RT: 7.94 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VW002583.D
Acq: 16 May 2018 06:48

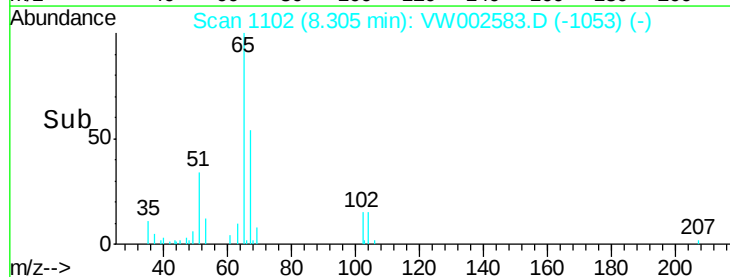
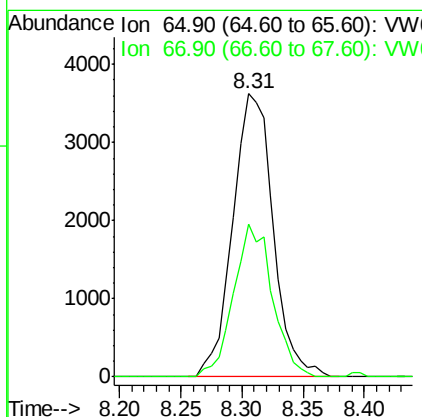
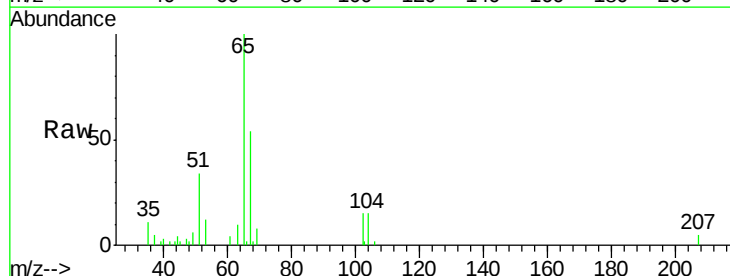
Instrument :
MSVOA_W
ClientSampled :
BP-5A

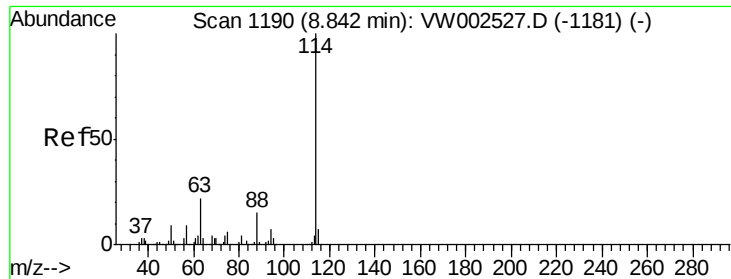
Tgt Ion: 56 Resp: 294
Ion Ratio Lower Upper
56 100
69 104.5 27.0 40.4#
84 60.5 72.2 108.2#



#33
1,2-Dichloroethane-d4
Concen: 57.12 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW002583.D
Acq: 16 May 2018 06:48

Tgt Ion: 65 Resp: 8290
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.4

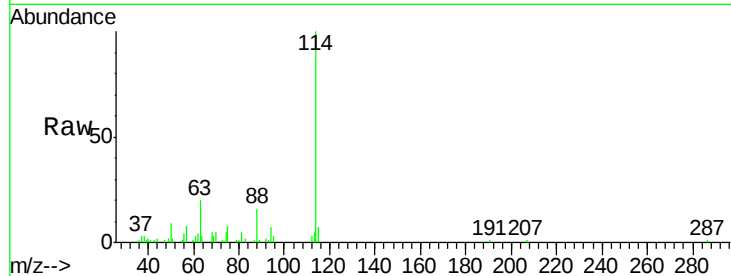




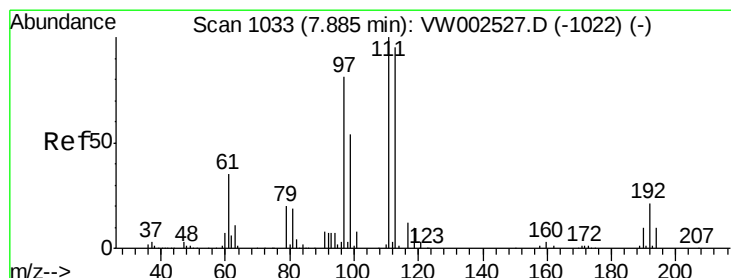
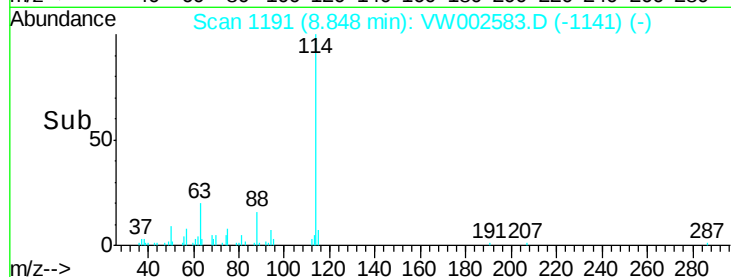
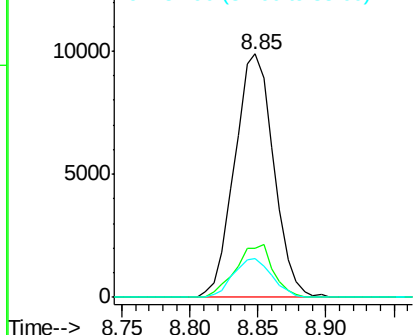
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002583.D
 Acq: 16 May 2018 06:48

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-5A

Tgt Ion:114 Resp: 19806
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 43.2
 88 16.1 0.0 29.2

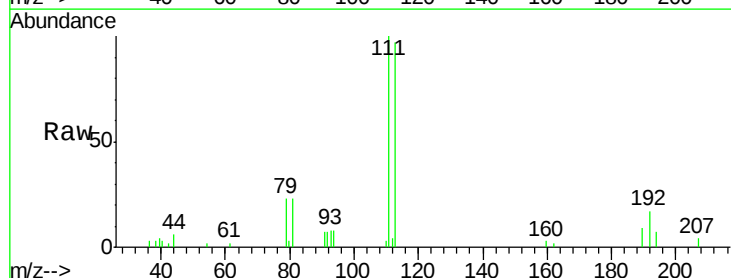


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

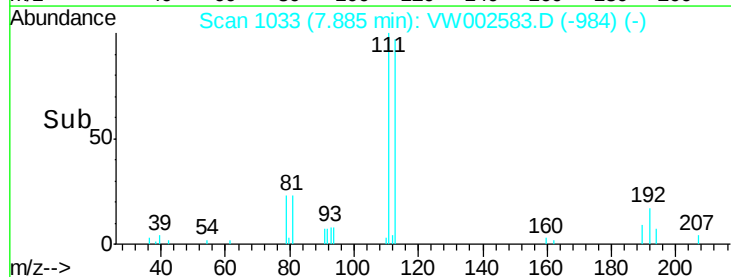
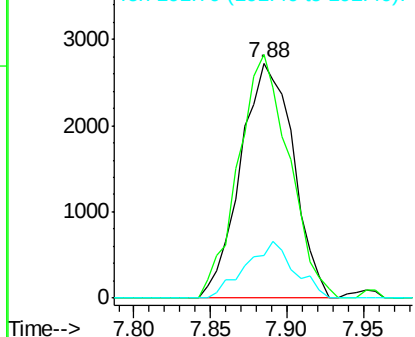


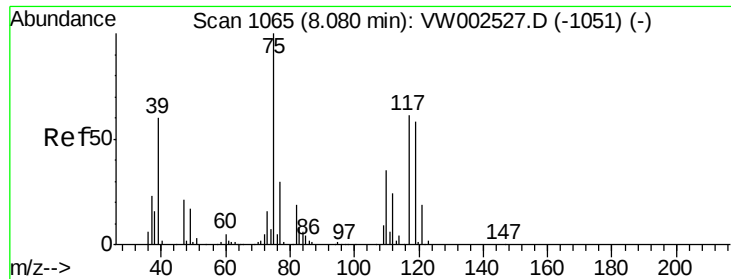
#35
 Dibromofluoromethane
 Concen: 51.93 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002583.D
 Acq: 16 May 2018 06:48

Tgt Ion:113 Resp: 6525
 Ion Ratio Lower Upper
 113 100
 111 99.7 81.8 122.8
 192 22.2 17.5 26.3



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

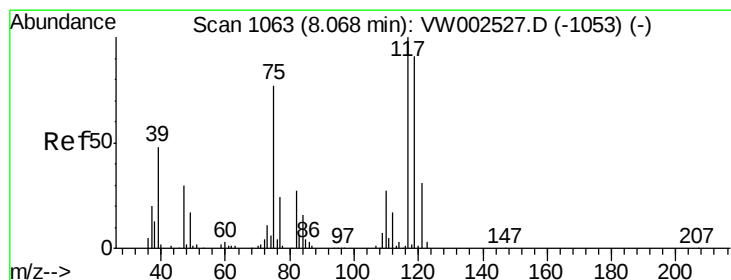
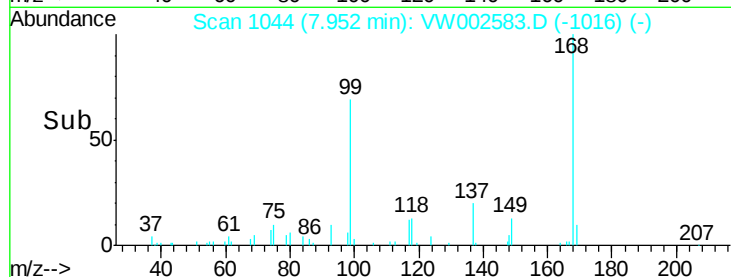
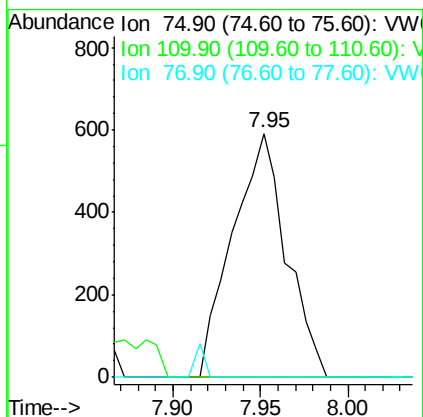
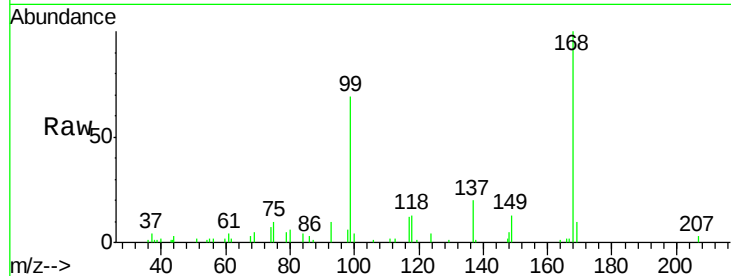




#36
 1,1-Dichloropropene
 Concen: 7.24 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW002583.D
 Acq: 16 May 2018 06:48

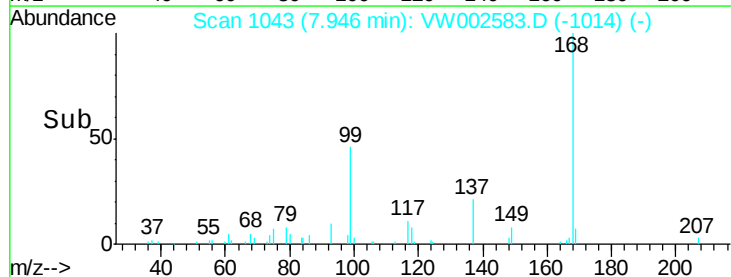
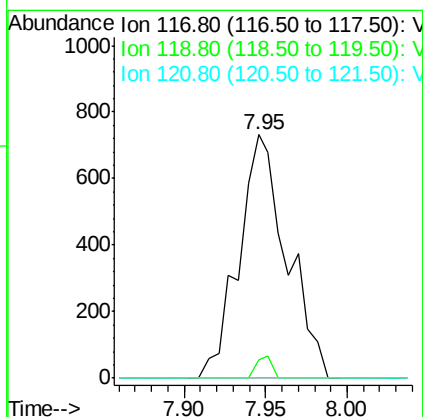
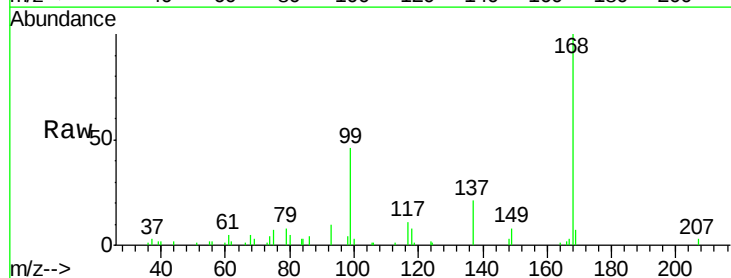
Instrument :
 MSVOA_W
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 BP-5A

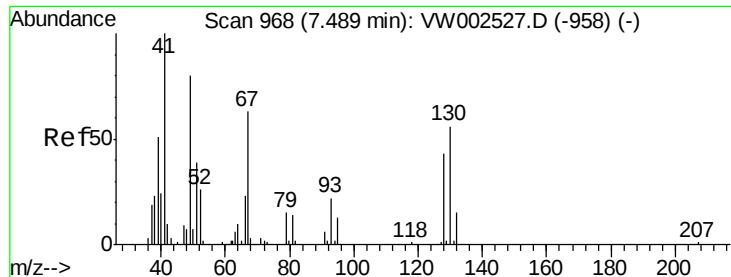
Tgt Ion: 75 Resp: 1265
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.8 53.5#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 8.79 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW002583.D
 Acq: 16 May 2018 06:48

Tgt Ion: 117 Resp: 1504
 Ion Ratio Lower Upper
 117 100
 119 7.5 73.1 109.7#
 121 0.0 24.4 36.6#

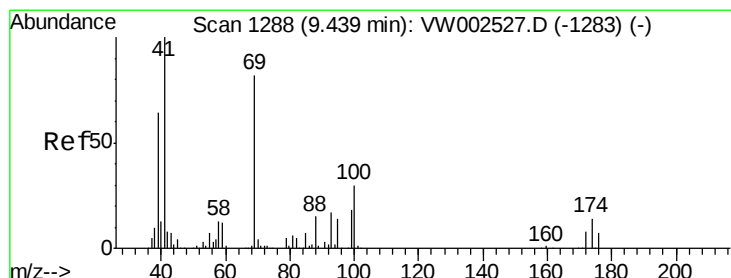
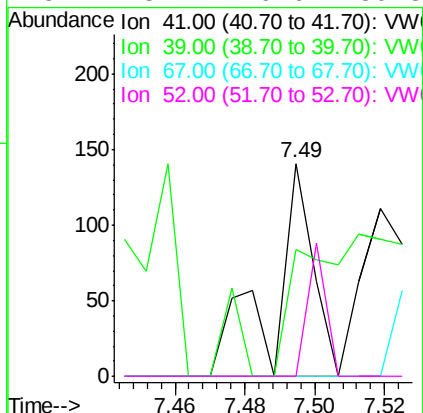
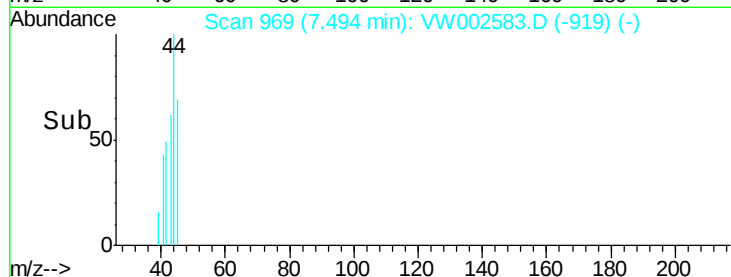
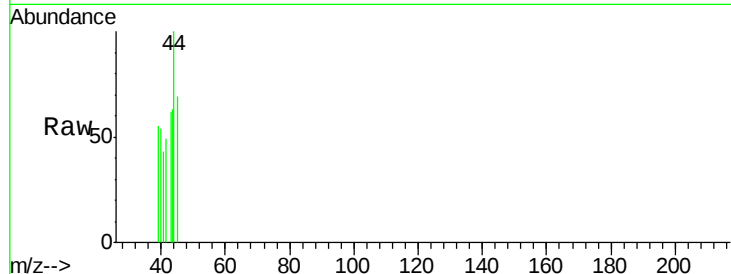




#41
Methacrylonitrile
Concen: 2.35 ug/l
RT: 7.49 min Scan# 969
Delta R.T. 0.01 min
Lab File: VW002583.D
Acq: 16 May 2018 06:48

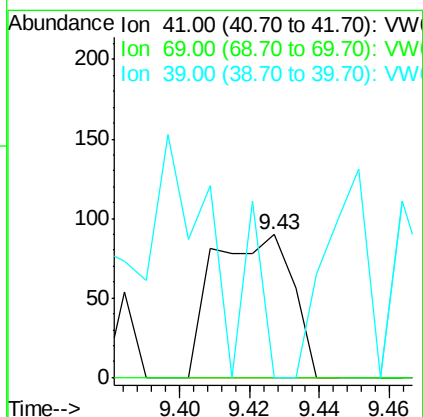
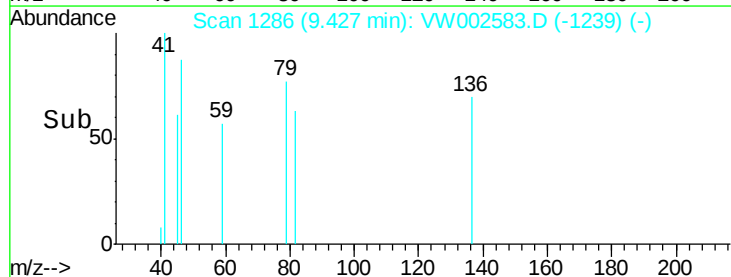
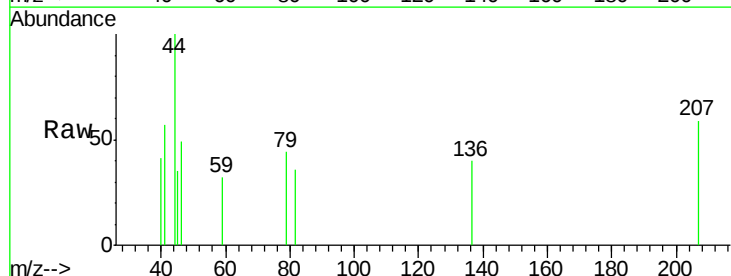
Instrument :
MSVOA_W
ClientSampled :
BP-5A

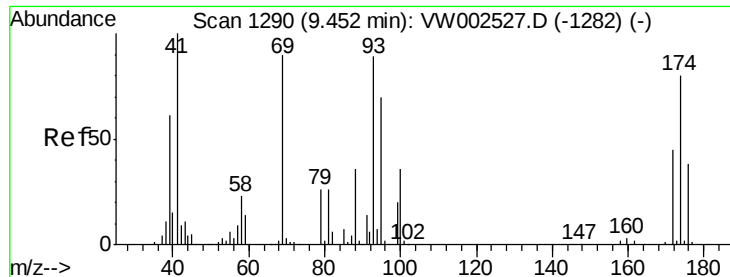
Tgt Ion: 41 Resp: 114
Ion Ratio Lower Upper
41 100
39 0.0 51.8 77.8#
67 0.0 59.9 89.9#
52 28.1 26.6 39.8



#48
Methyl methacrylate
Concen: 1.73 ug/l
RT: 9.43 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VW002583.D
Acq: 16 May 2018 06:48

Tgt Ion: 41 Resp: 140
Ion Ratio Lower Upper
41 100
69 0.0 69.7 104.5#
39 0.0 55.0 82.4#





#49

1,4-Dioxane

Concen: 17.32 ug/l

RT: 9.27 min Scan# 1260

Delta R.T. -0.18 min

Lab File: VW002583.D

Acq: 16 May 2018 06:48

Instrument :

MSVOA_W

ClientSampled :

BP-5A

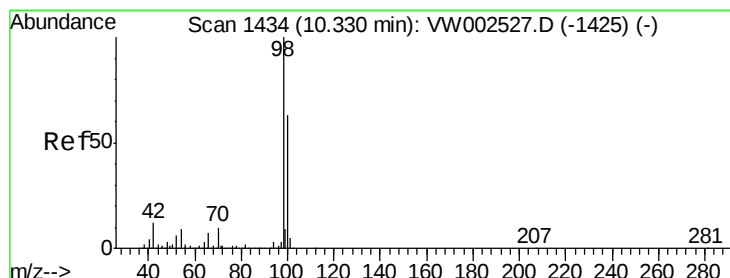
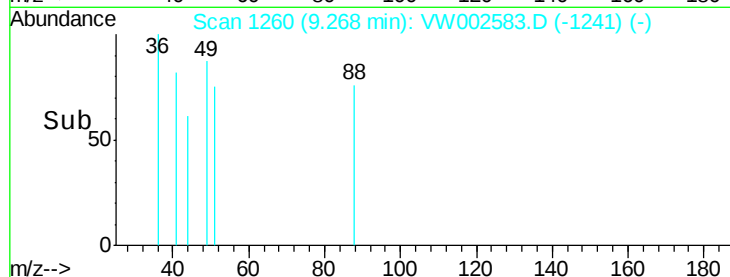
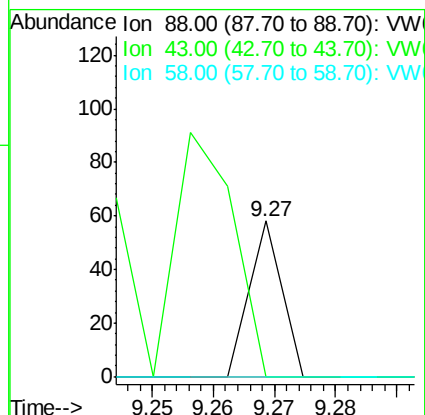
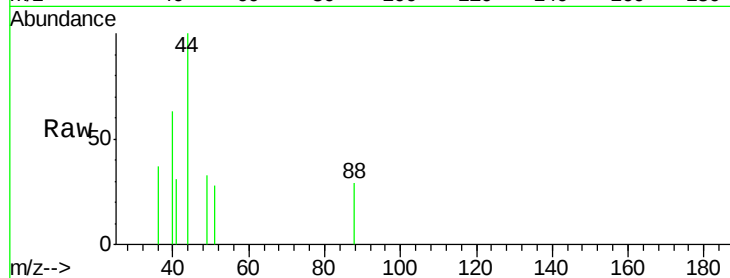
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 281.0 27.0 40.4#

58 0.0 56.9 85.3#



#50

Toluene-d8

Concen: 31.02 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002583.D

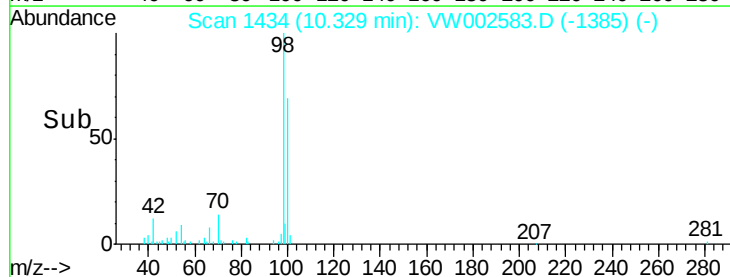
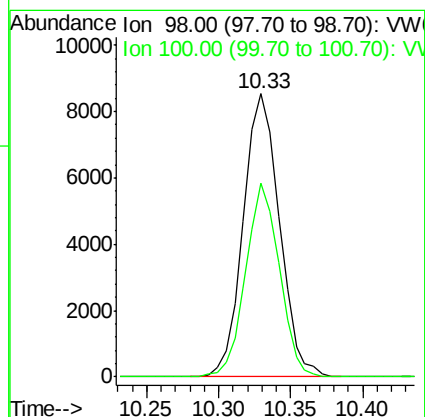
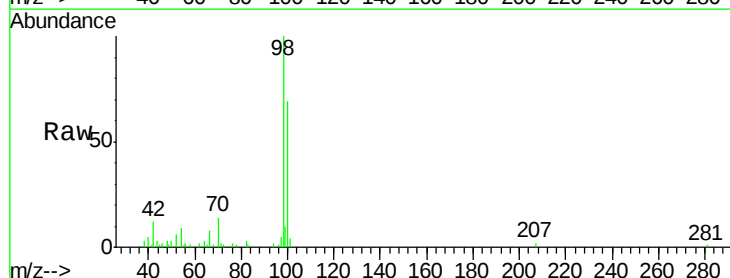
Acq: 16 May 2018 06:48

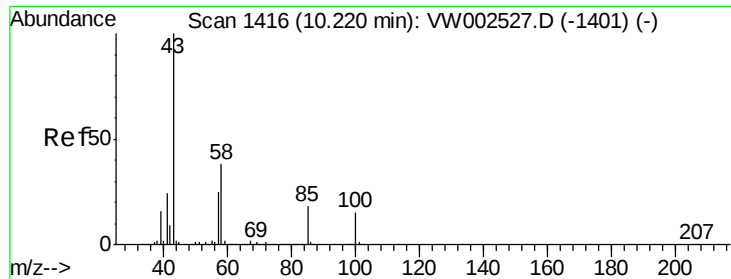
Tgt Ion: 98 Resp: 14830

Ion Ratio Lower Upper

98 100

100 63.7 51.0 76.4

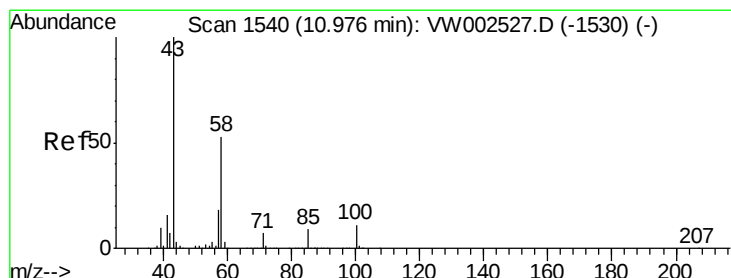
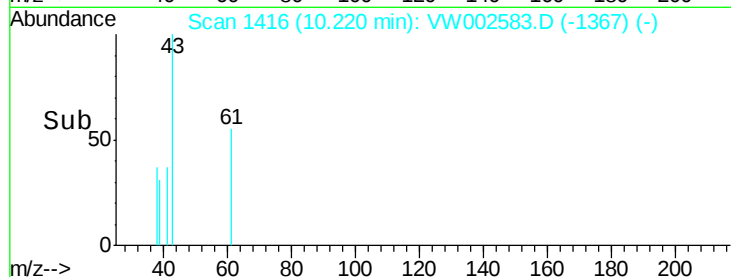
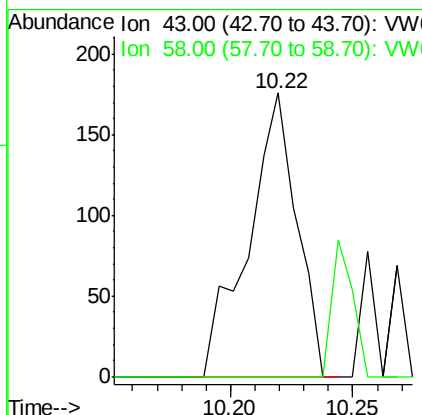
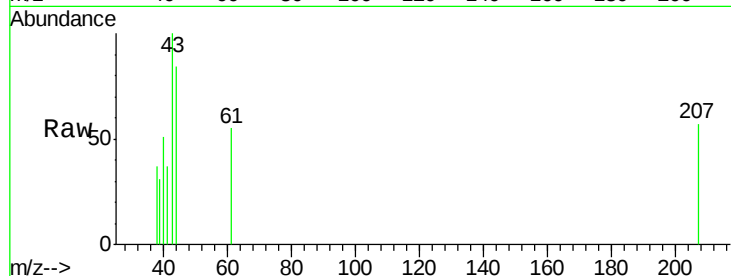




#51
 4-Methyl-2-Pentanone
 Concen: 2.65 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW002583.D
 Acq: 16 May 2018 06:48

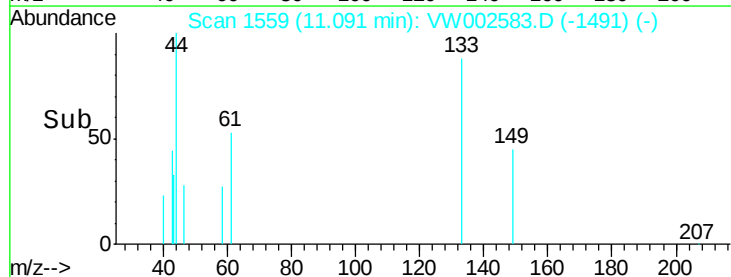
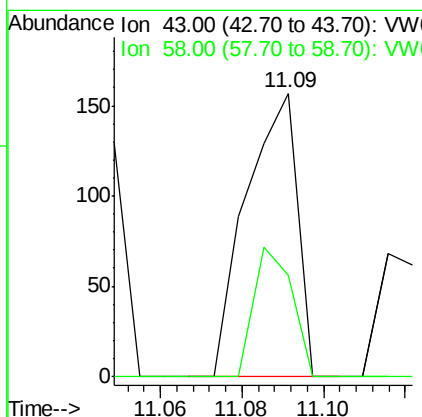
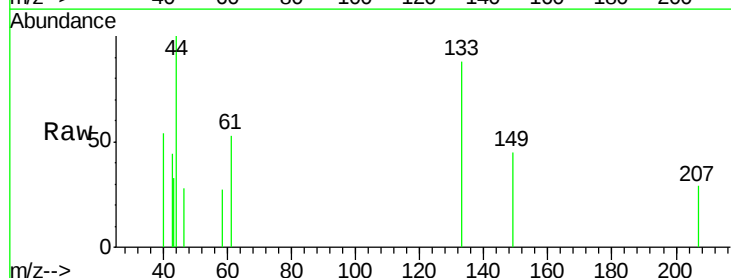
Instrument :
 MSVOA_W
 ClientSampled :
 BP-5A

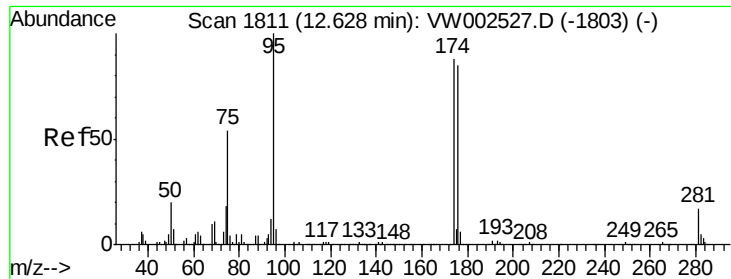
Tgt Ion: 43 Resp: 243
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.1 45.1#



#59
 2-Hexanone
 Concen: 2.17 ug/l
 RT: 11.09 min Scan# 1559
 Delta R.T. 0.12 min
 Lab File: VW002583.D
 Acq: 16 May 2018 06:48

Tgt Ion: 43 Resp: 137
 Ion Ratio Lower Upper
 43 100
 58 34.3 26.3 78.8

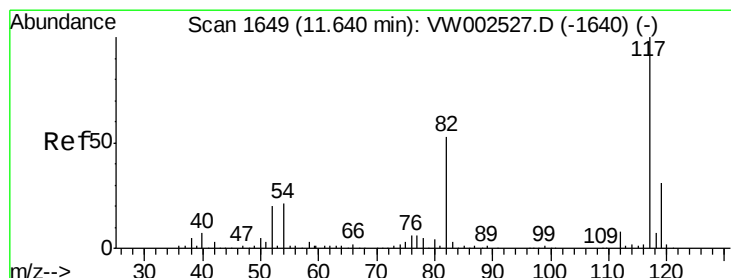
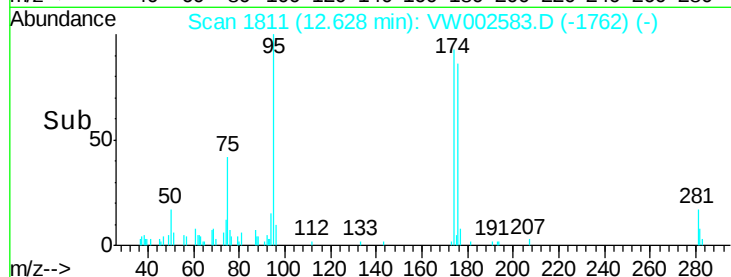
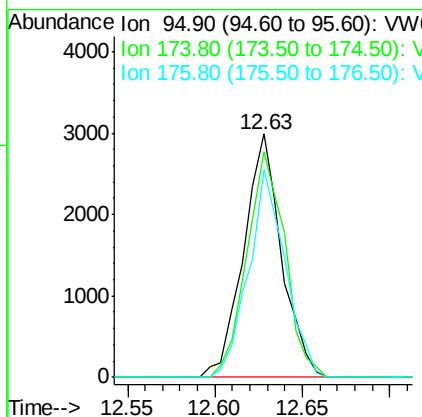
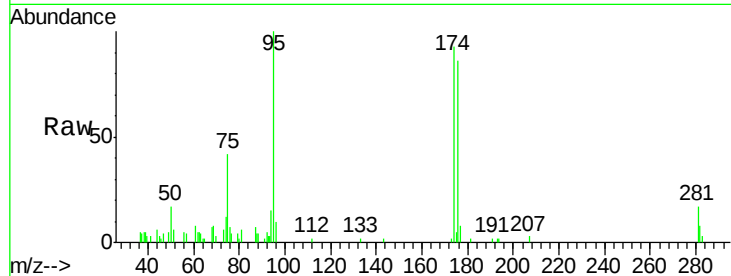




#62
4-Bromofluorobenzene
Concen: 25.78 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW002583.D
Acq: 16 May 2018 06:48

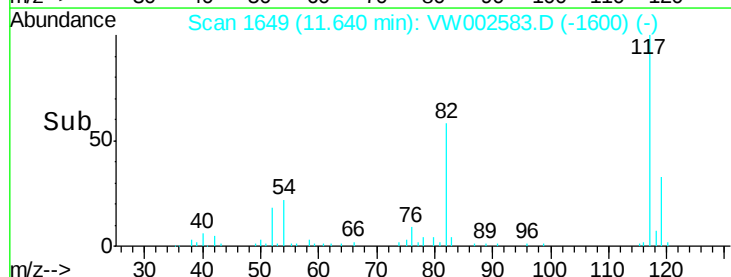
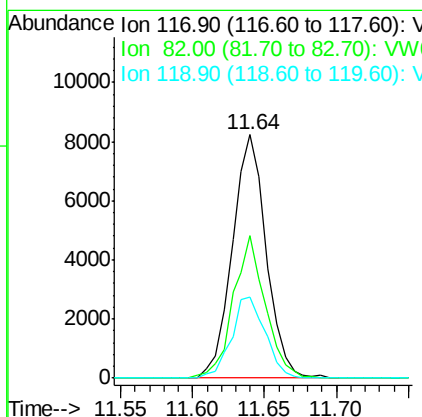
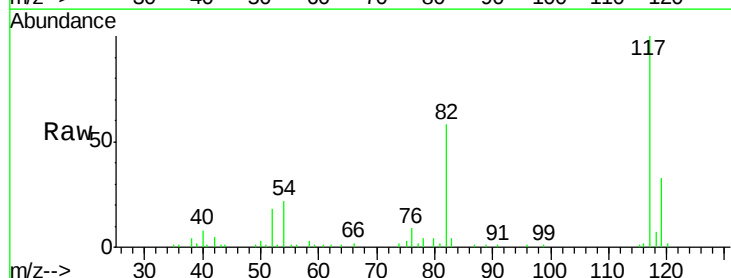
Instrument :
MSVOA_W
ClientSampleId :
BP-5A

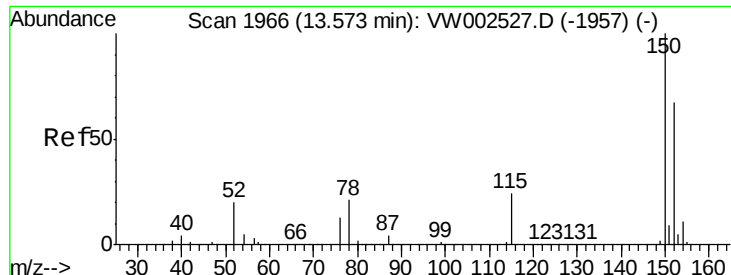
Tgt Ion: 95 Resp: 4506
Ion Ratio Lower Upper
95 100
174 93.3 0.0 176.6
176 82.8 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002583.D
Acq: 16 May 2018 06:48

Tgt Ion: 117 Resp: 13459
Ion Ratio Lower Upper
117 100
82 58.3 42.6 64.0
119 33.5 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.01 min

Lab File: VW002583.D

Acq: 16 May 2018 06:48

Instrument :

MSVOA_W

ClientSampleId :

BP-5A

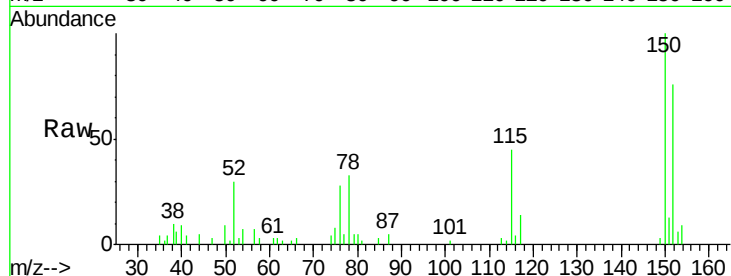
Tgt Ion:152 Resp: 3982

Ion Ratio Lower Upper

152 100

115 58.9 28.0 84.0

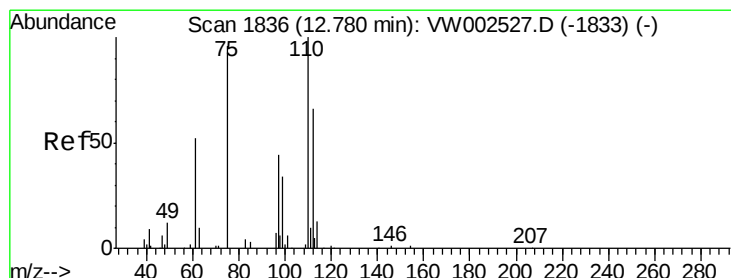
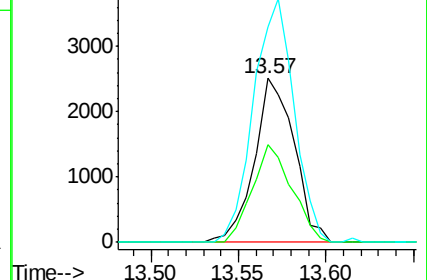
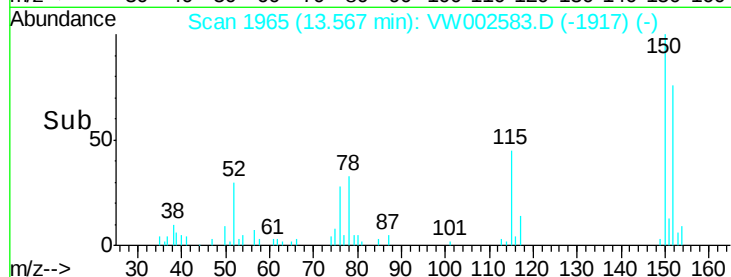
150 150.7 0.0 345.4



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: 60.79 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002583.D

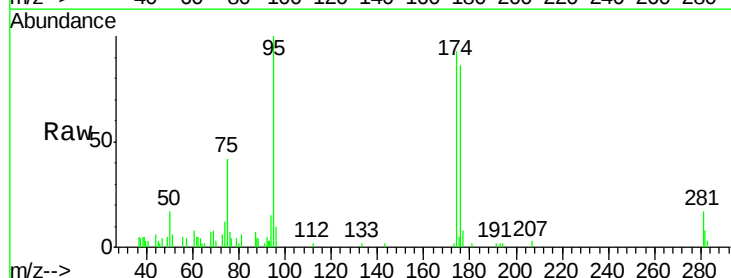
Acq: 16 May 2018 06:48

Tgt Ion: 75 Resp: 2288

Ion Ratio Lower Upper

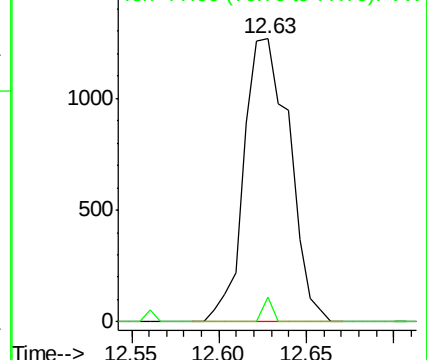
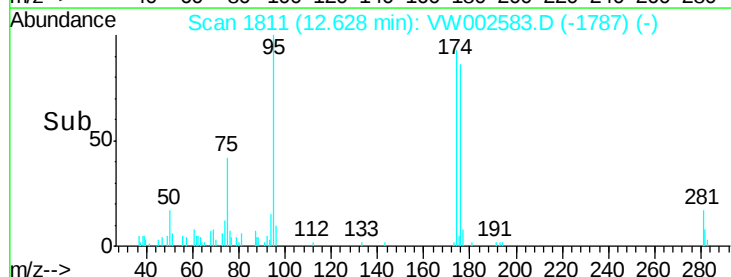
75 100

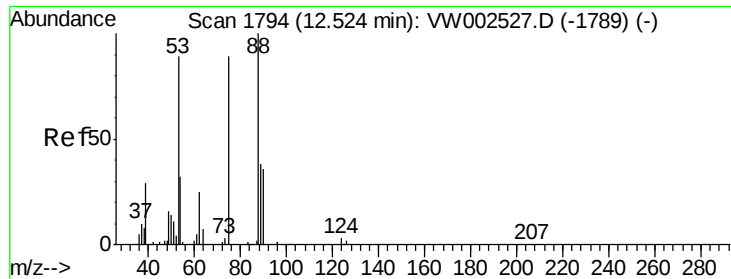
77 1.7 0.0 0.0#



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: 165.73 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002583.D

Acq: 16 May 2018 06:48

Instrument :

MSVOA_W

ClientSampleId :

BP-5A

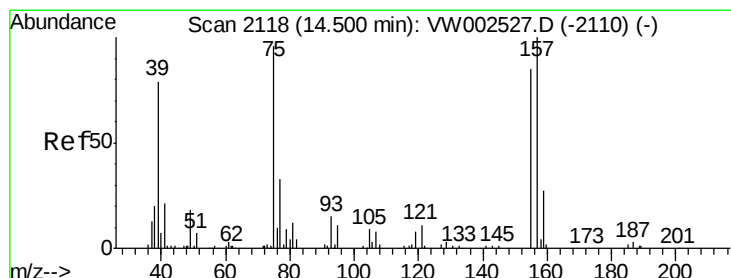
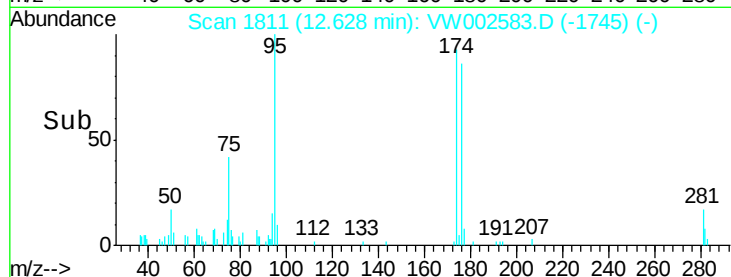
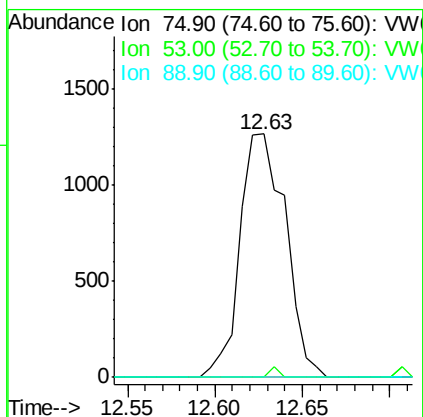
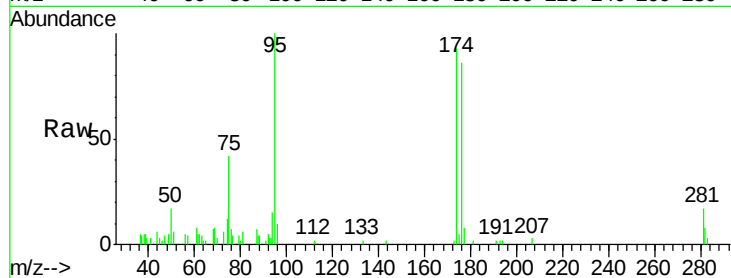
Tgt Ion: 75 Resp: 2288

Ion Ratio Lower Upper

75 100

53 0.9 82.6 124.0#

89 0.0 39.2 58.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.01 ug/l

RT: 14.46 min Scan# 2111

Delta R.T. -0.04 min

Lab File: VW002583.D

Acq: 16 May 2018 06:48

Tgt Ion: 75 Resp: 44

Ion Ratio Lower Upper

75 100

155 0.0 42.8 128.4#

157 0.0 57.4 172.0#

