

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002581.D
 Acq On : 16 May 2018 05:58
 Operator : JC/SY
 Sample : J2785-10
 Misc : 5.02G/10ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-4A

Quant Time: May 16 08:08:40 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	106551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	156524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	109645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	34189	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	57344	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
35) Dibromofluoromethane	7.88	113	51349	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
50) Toluene-d8	10.33	98	128990	34.14	ug/l	0.00
Spiked Amount			Recovery	=	68.28%	
62) 4-Bromofluorobenzene	12.63	95	37075	26.84	ug/l	0.00
Spiked Amount			Recovery	=	53.68%	

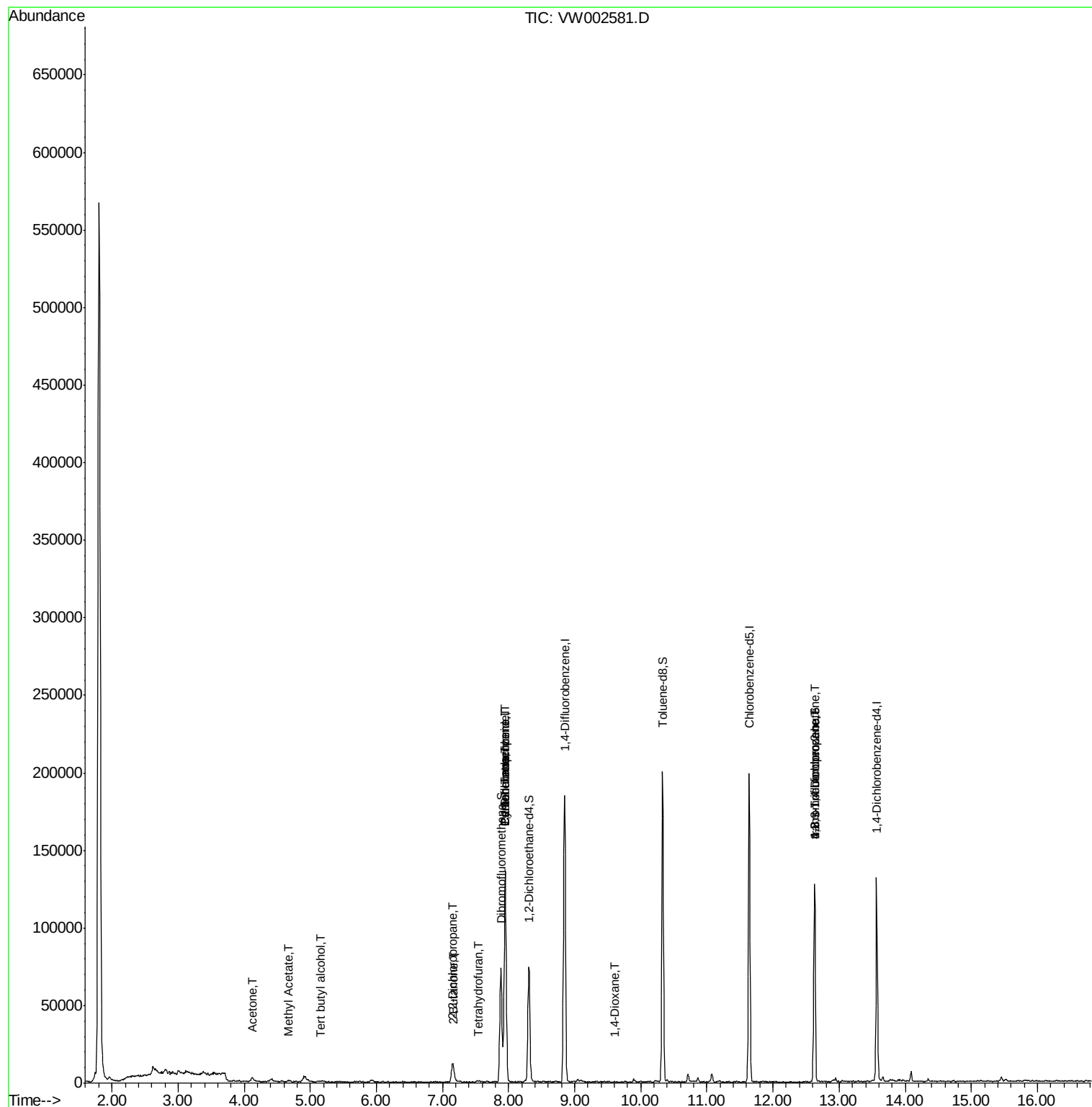
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	800	9.45	ug/l #	72
16) Acetone	4.12	43	4264	18.34	ug/l	93
18) Methyl Acetate	4.67	43	1647	2.43	ug/l	98
25) 2-Butanone	7.18	43	1949	5.93	ug/l #	89
26) 2,2-Dichloropropane	7.16	77	1043	1.05	ug/l #	51
29) Tetrahydrofuran	7.54	42	436	2.12	ug/l #	63
31) Cyclohexane	7.95	56	2486	1.59	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	7892	5.71	ug/l #	51
38) Carbon Tetrachloride	7.95	117	10052	7.43	ug/l #	17
49) 1,4-Dioxane	9.60	88	19	1.98	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	18412	56.97	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	18412	155.33	ug/l #	9

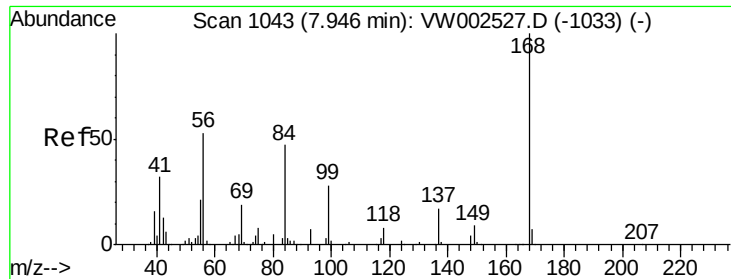
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002581.D

Acq: 16 May 2018 05:58

Instrument :

MSVOA_W

ClientSampled :

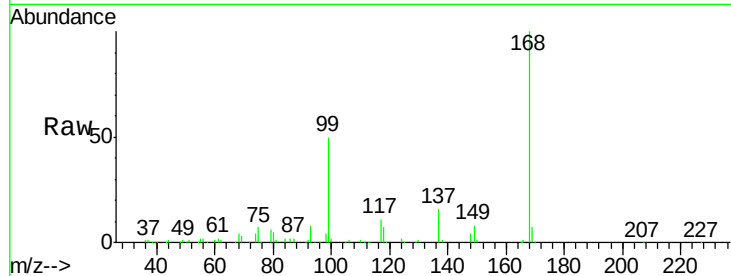
BP-4A

Tgt Ion:168 Resp: 106551

Ion Ratio Lower Upper

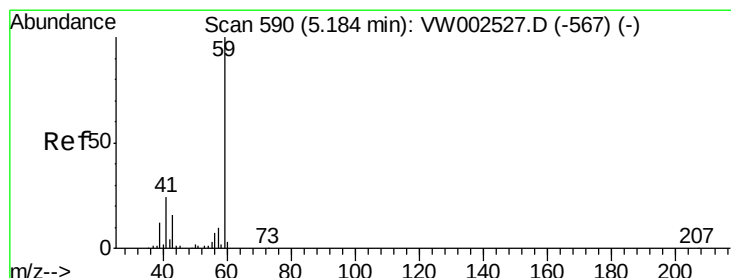
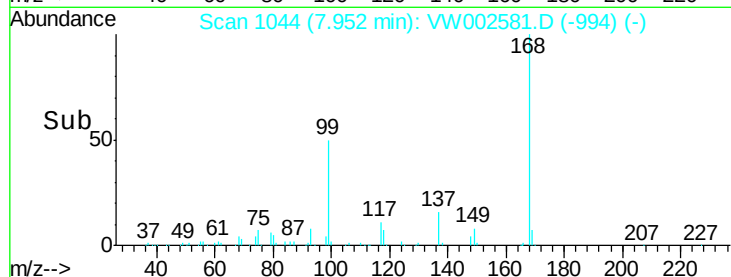
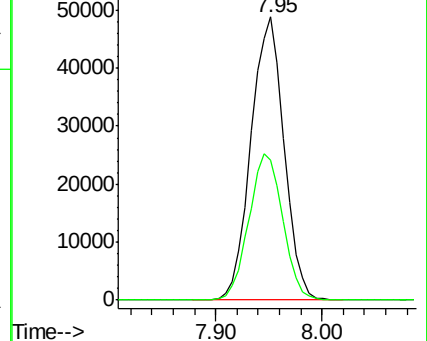
168 100

99 49.5 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: 9.45 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.02 min

Lab File: VW002581.D

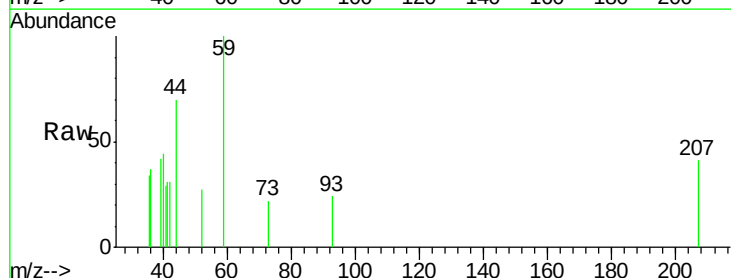
Acq: 16 May 2018 05:58

Tgt Ion: 59 Resp: 800

Ion Ratio Lower Upper

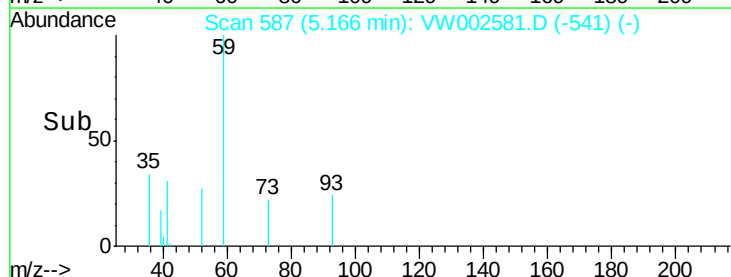
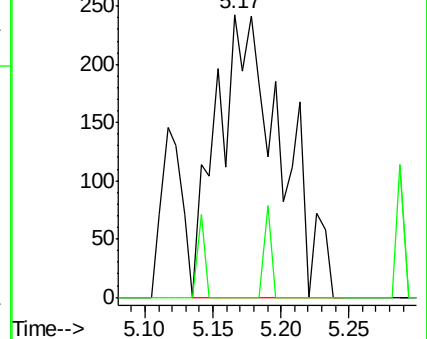
59 100

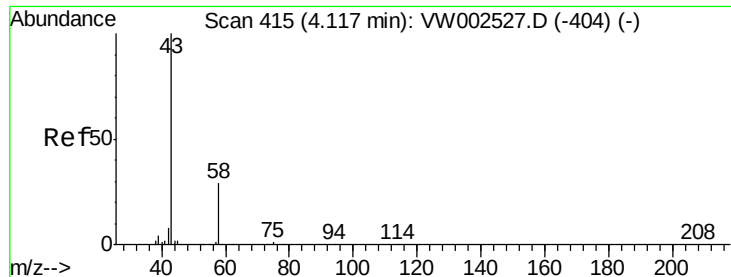
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 18.34 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002581.D

Acq: 16 May 2018 05:58

Instrument :

MSVOA_W

ClientSampled :

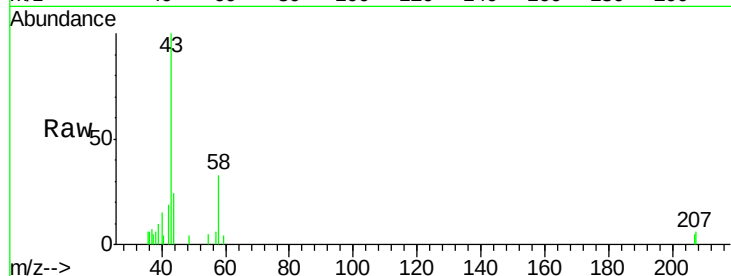
BP-4A

Tgt Ion: 43 Resp: 4264

Ion Ratio Lower Upper

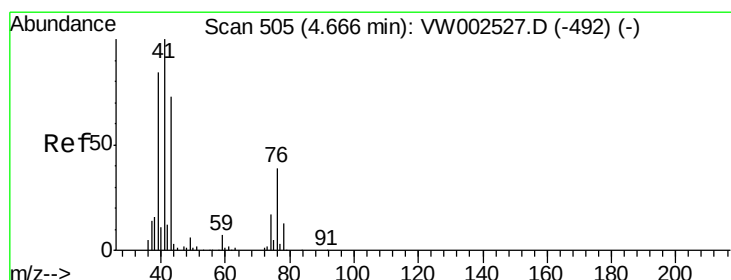
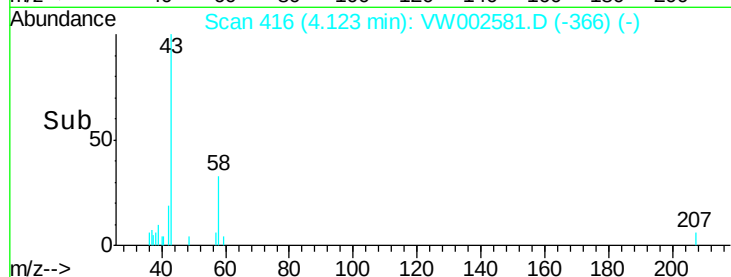
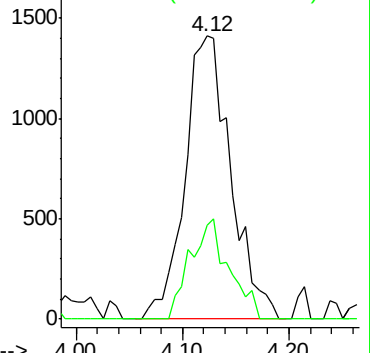
43 100

58 33.0 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 2.43 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW002581.D

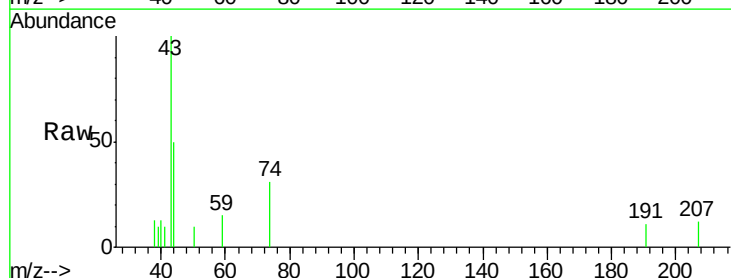
Acq: 16 May 2018 05:58

Tgt Ion: 43 Resp: 1647

Ion Ratio Lower Upper

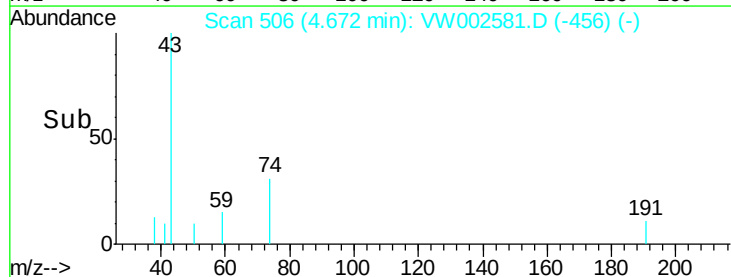
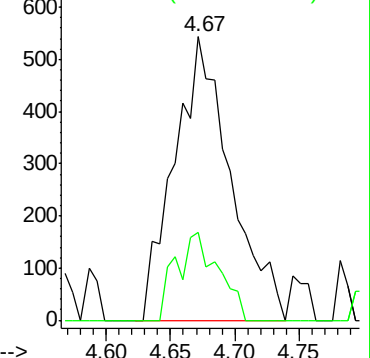
43 100

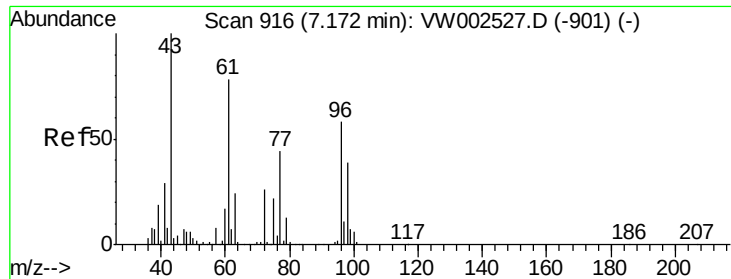
74 23.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#25

2-Butanone

Concen: 5.93 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW002581.D

Acq: 16 May 2018 05:58

Instrument :

MSVOA_W

ClientSampled :

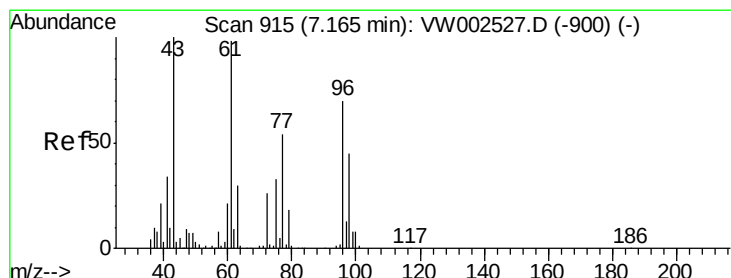
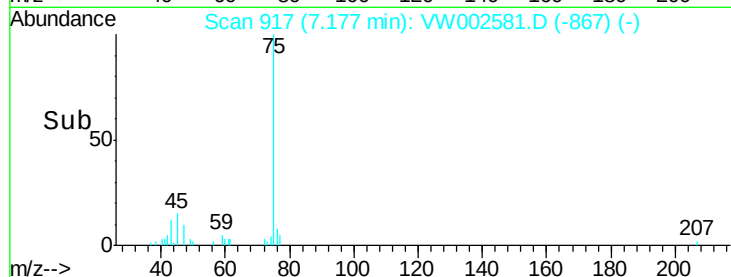
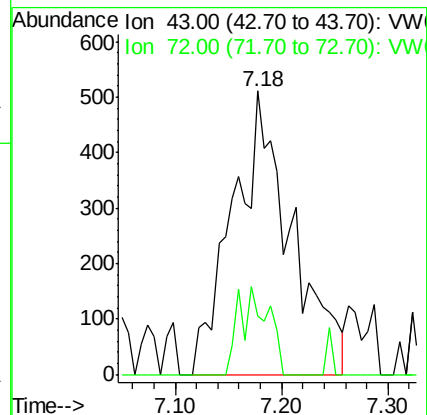
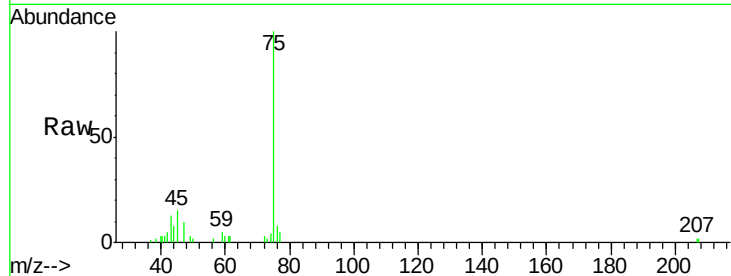
BP-4A

Tgt Ion: 43 Resp: 1949

Ion Ratio Lower Upper

43 100

72 20.4 20.9 31.3#



#26

2,2-Dichloropropane

Concen: 1.05 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002581.D

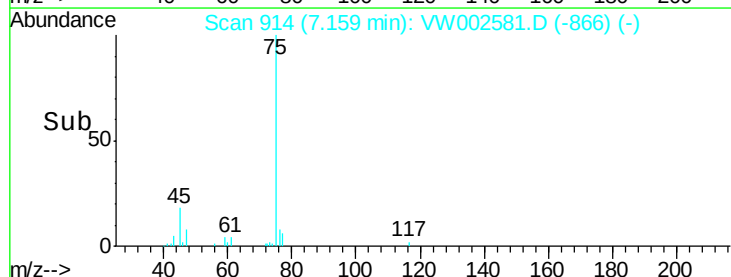
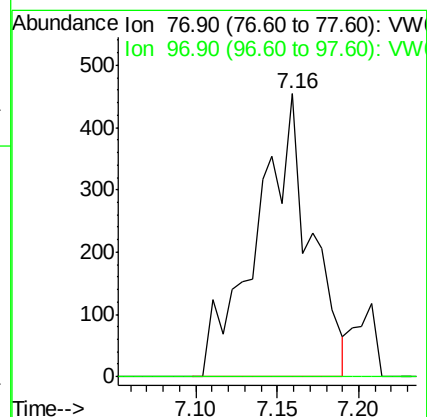
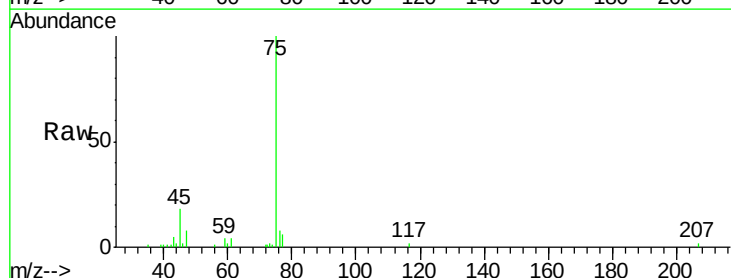
Acq: 16 May 2018 05:58

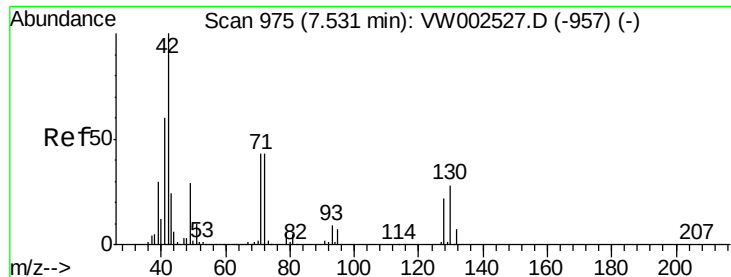
Tgt Ion: 77 Resp: 1043

Ion Ratio Lower Upper

77 100

97 0.0 12.1 36.3#

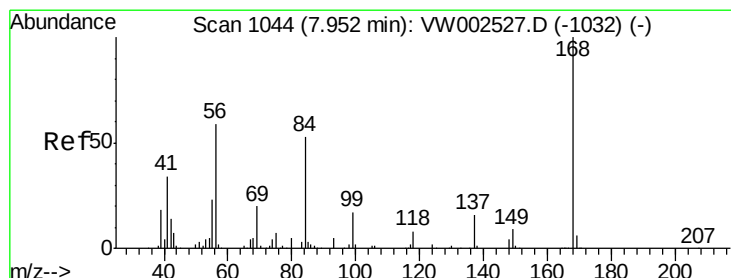
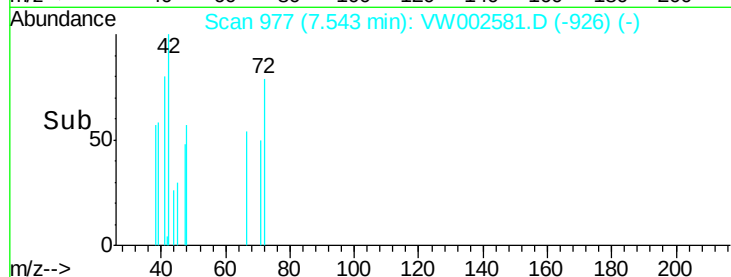
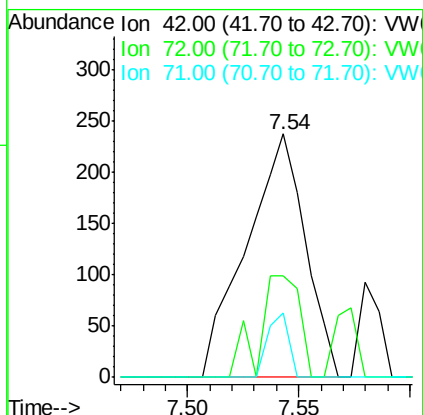
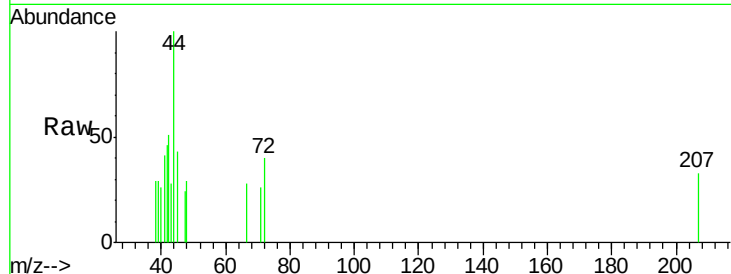




#29
Tetrahydrofuran
Concen: 2.12 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW002581.D
Acq: 16 May 2018 05:58

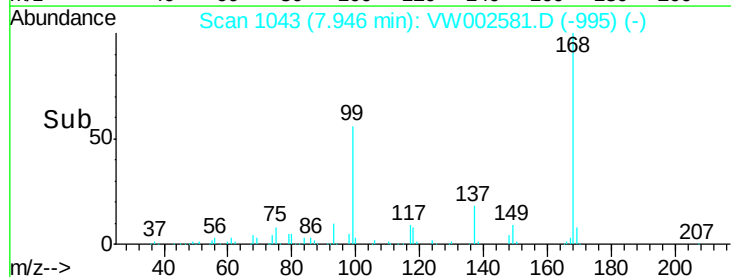
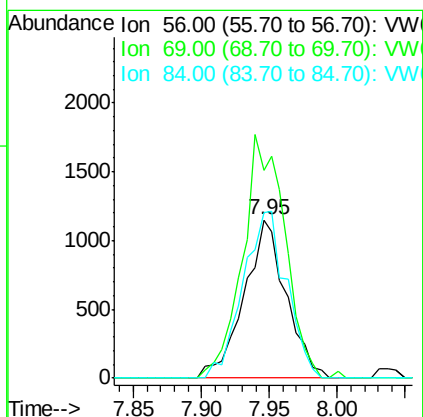
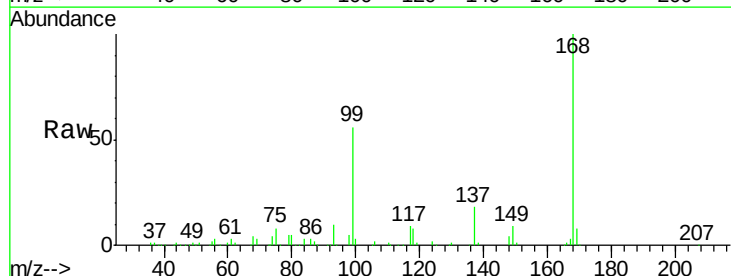
Instrument :
MSVOA_W
ClientSampled :
BP-4A

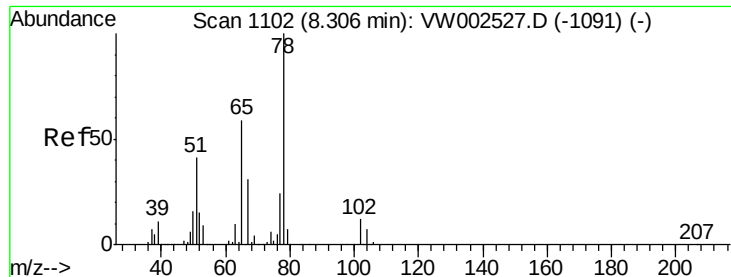
Tgt Ion: 42 Resp: 436
Ion Ratio Lower Upper
42 100
72 28.4 35.0 52.4#
71 9.6 33.0 49.6#



#31
Cyclohexane
Concen: 1.59 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002581.D
Acq: 16 May 2018 05:58

Tgt Ion: 56 Resp: 2486
Ion Ratio Lower Upper
56 100
69 131.5 27.0 40.4#
84 105.0 72.2 108.2

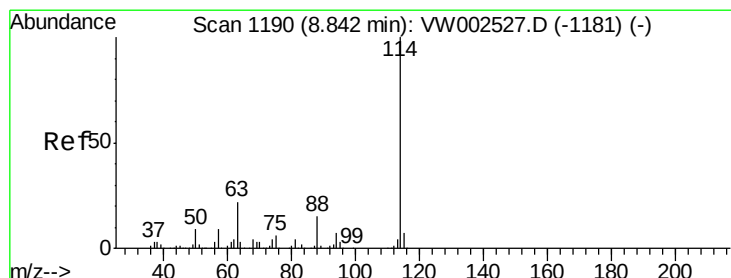
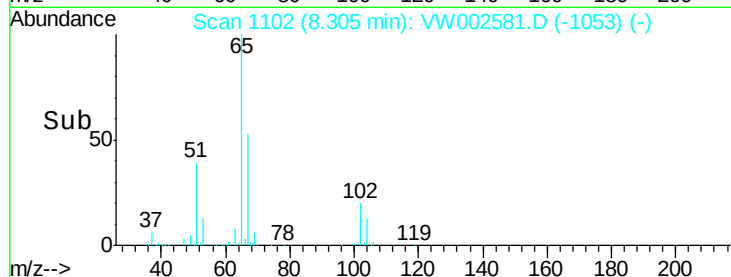
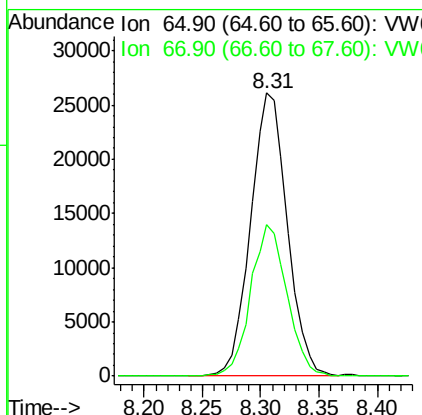
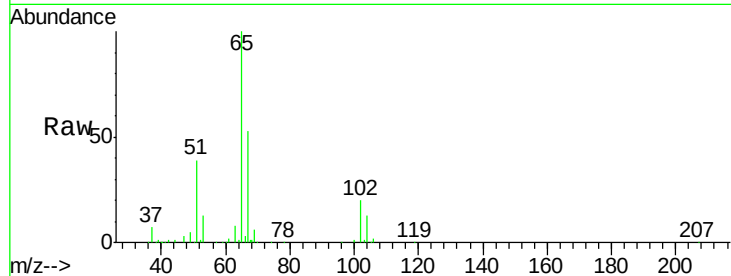




#33
 1,2-Dichloroethane-d4
 Concen: 52.08 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002581.D
 Acq: 16 May 2018 05:58

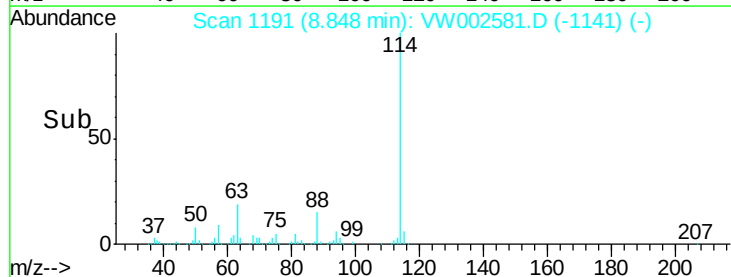
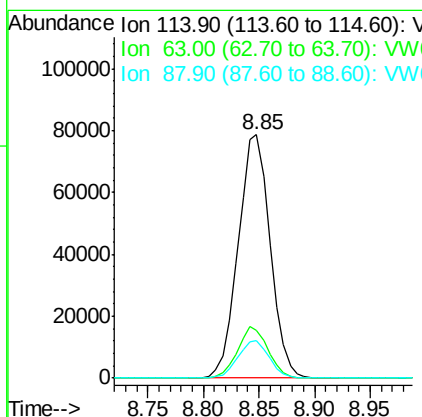
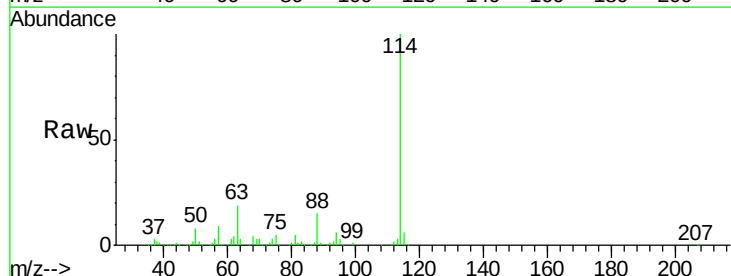
Instrument :
 MSVOA_W
 ClientSampleId :
 BP-4A

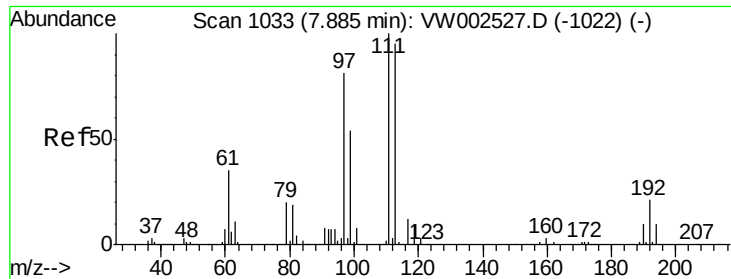
Tgt Ion: 65 Resp: 57344
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002581.D
 Acq: 16 May 2018 05:58

Tgt Ion: 114 Resp: 156524
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 43.2
 88 15.2 0.0 29.2

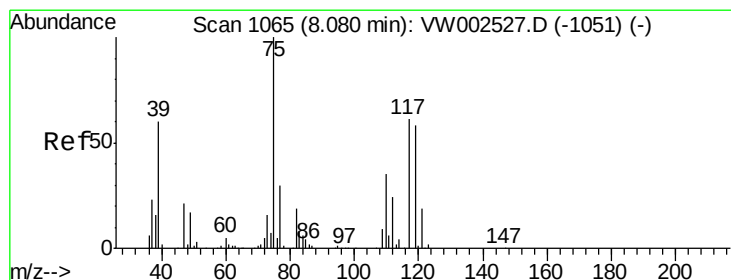
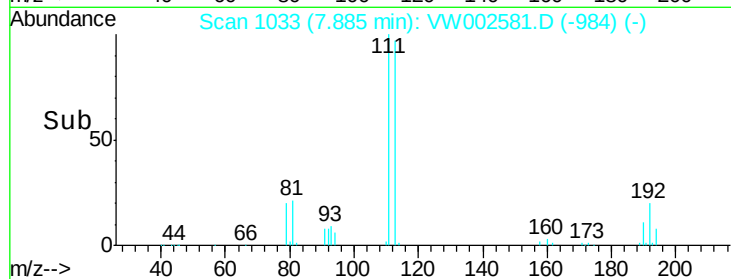
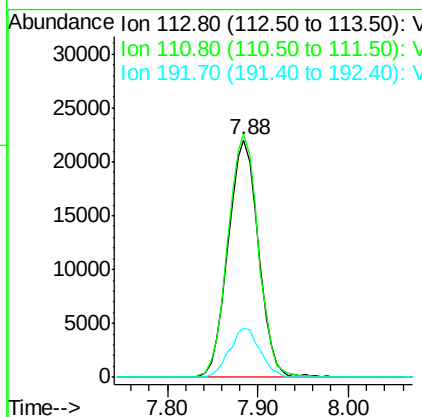
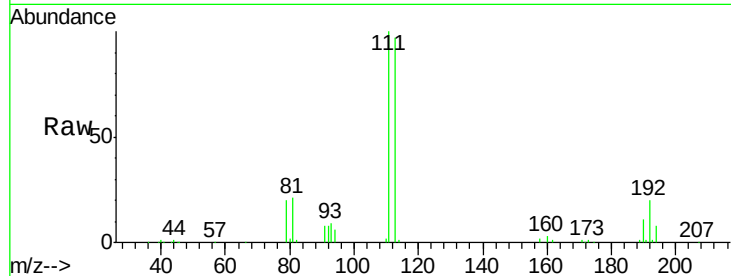




#35
 Dibromofluoromethane
 Concen: 51.71 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002581.D
 Acq: 16 May 2018 05:58

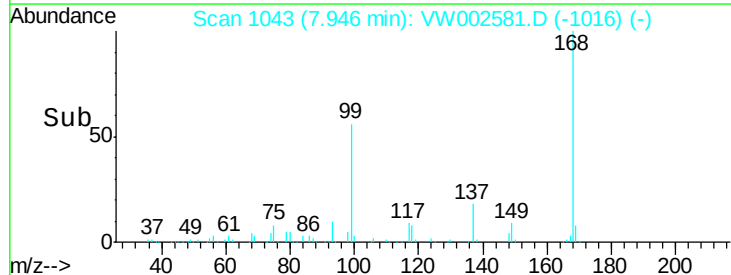
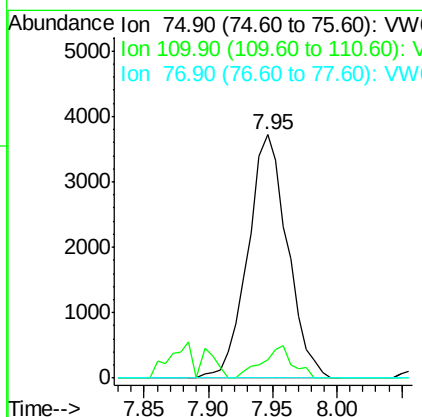
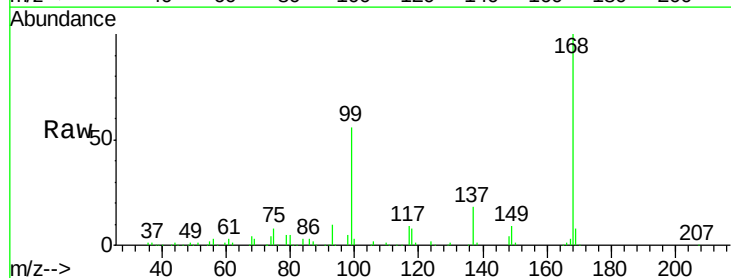
Instrument :
 MSVOA_W
 ClientSampleId :
 BP-4A

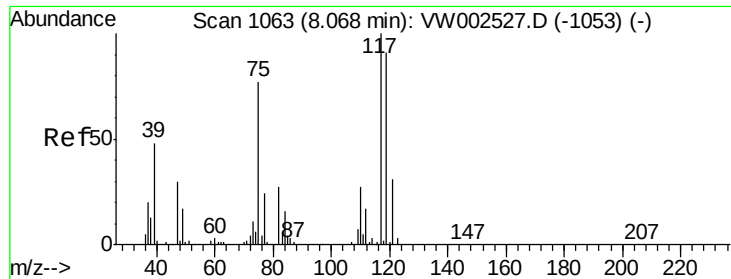
Tgt Ion:113 Resp: 51349
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.8 122.8
 192 20.8 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.71 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002581.D
 Acq: 16 May 2018 05:58

Tgt Ion: 75 Resp: 7892
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.8 53.5#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 7.43 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002581.D

Acq: 16 May 2018 05:58

Instrument :

MSVOA_W

ClientSampleId :

BP-4A

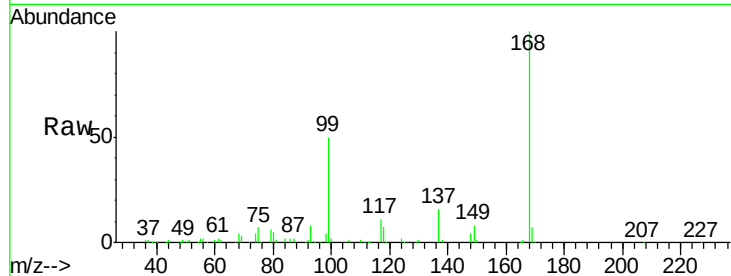
Tgt Ion:117 Resp: 10052

Ion Ratio Lower Upper

117 100

119 3.3 73.1 109.7#

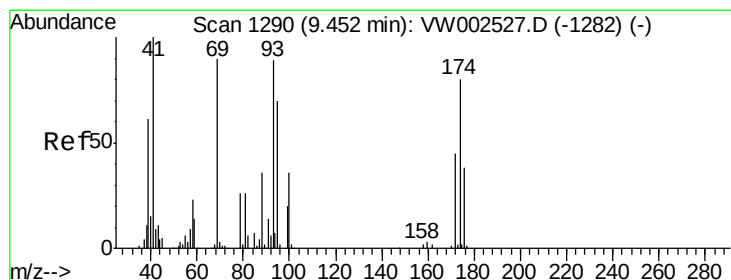
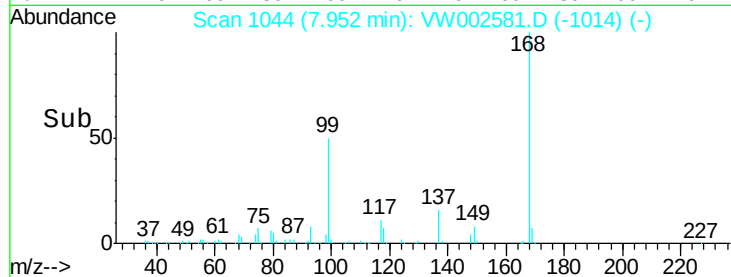
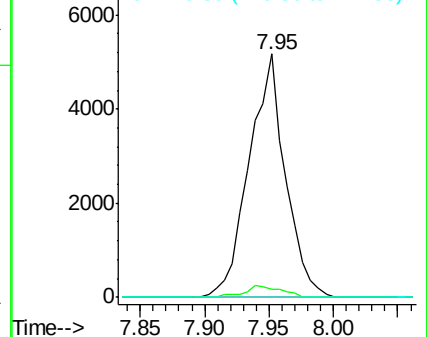
121 0.0 24.4 36.6#



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



#49

1,4-Dioxane

Concen: 1.98 ug/l

RT: 9.60 min Scan# 1314

Delta R.T. 0.15 min

Lab File: VW002581.D

Acq: 16 May 2018 05:58

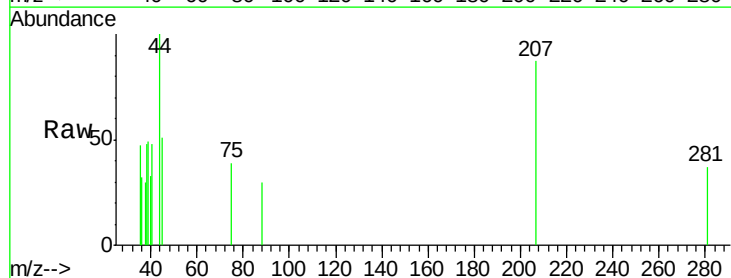
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 321.1 27.0 40.4#

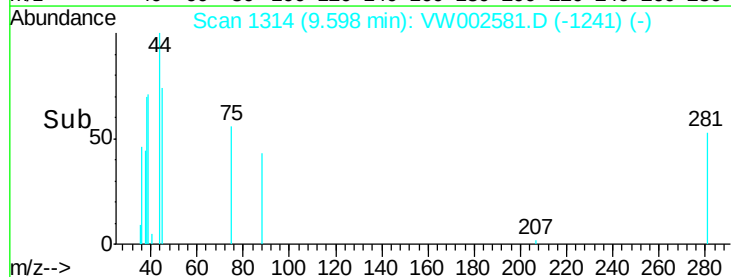
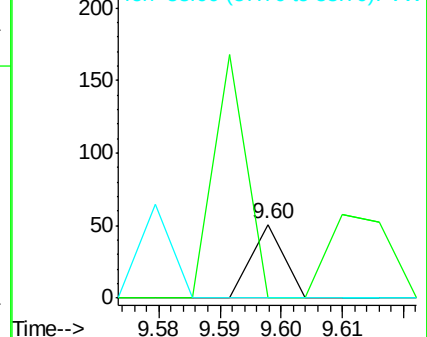
58 126.3 56.9 85.3#

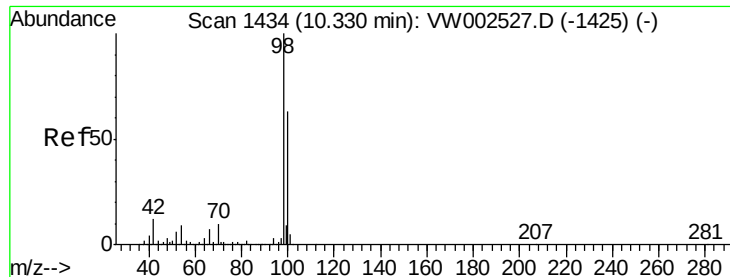


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 34.14 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002581.D

Acq: 16 May 2018 05:58

Instrument :

MSVOA_W

ClientSampled :

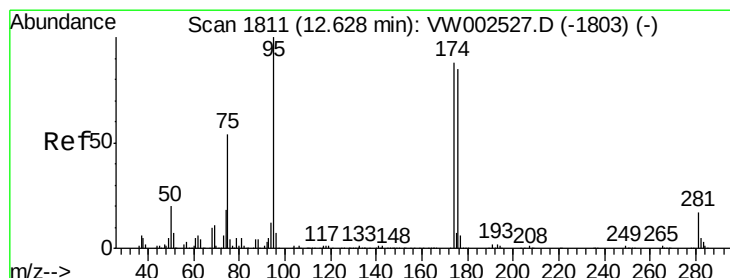
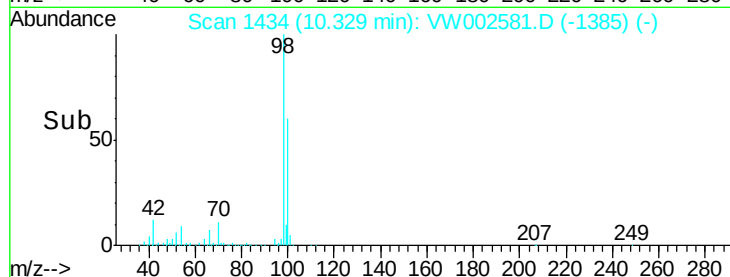
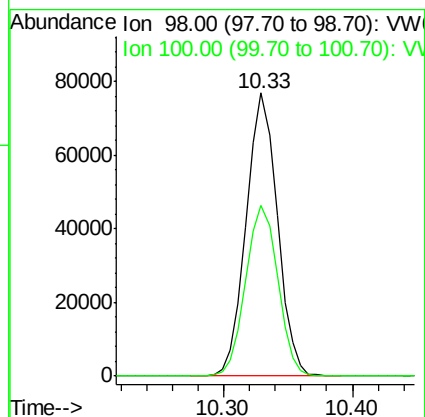
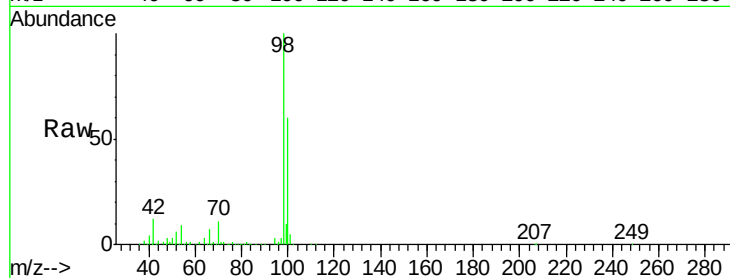
BP-4A

Tgt Ion: 98 Resp: 128990

Ion Ratio Lower Upper

98 100

100 62.1 51.0 76.4



#62

4-Bromofluorobenzene

Concen: 26.84 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002581.D

Acq: 16 May 2018 05:58

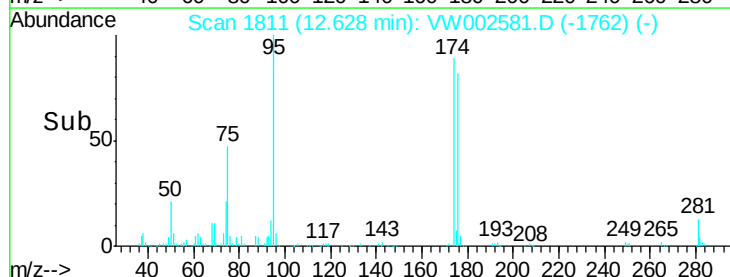
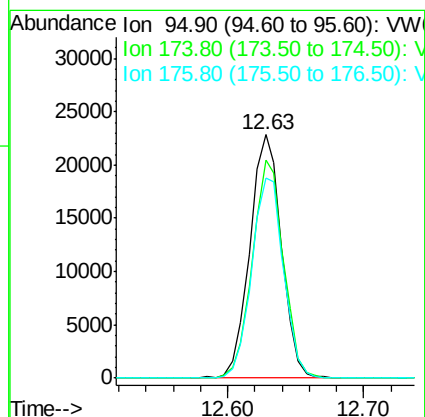
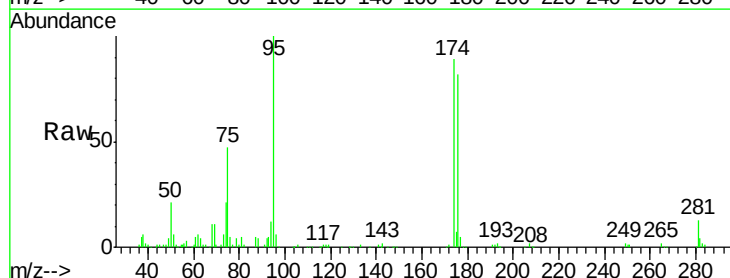
Tgt Ion: 95 Resp: 37075

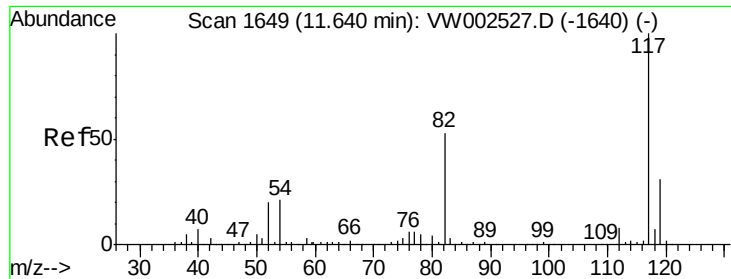
Ion Ratio Lower Upper

95 100

174 88.1 0.0 176.6

176 83.1 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: VW002581.D

Acq: 16 May 2018 05:58

Instrument :

MSVOA_W

ClientSampleId :

BP-4A

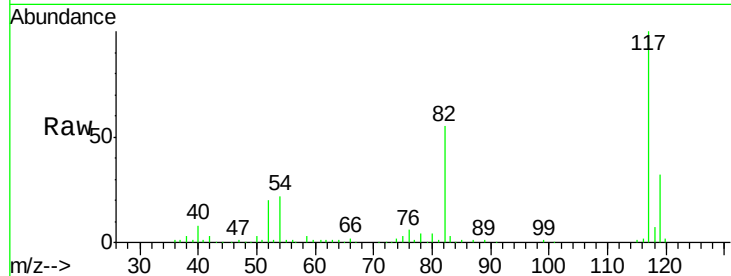
Tgt Ion:117 Resp: 109645

Ion Ratio Lower Upper

117 100

82 55.0 42.6 64.0

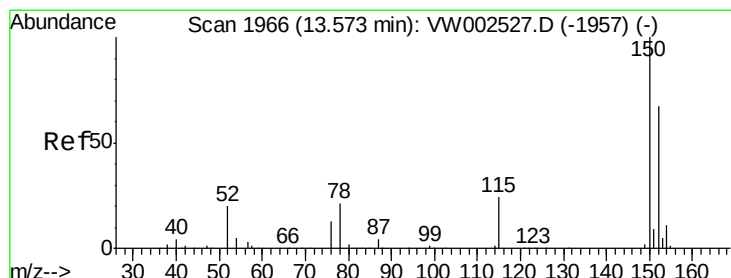
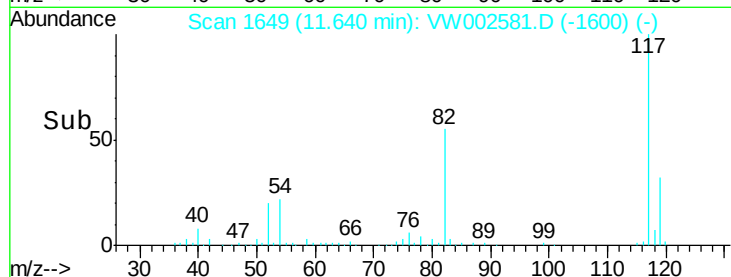
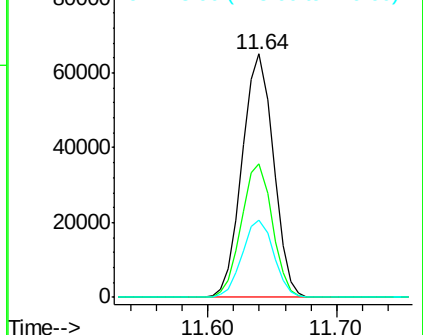
119 31.9 25.0 37.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002581.D

Acq: 16 May 2018 05:58

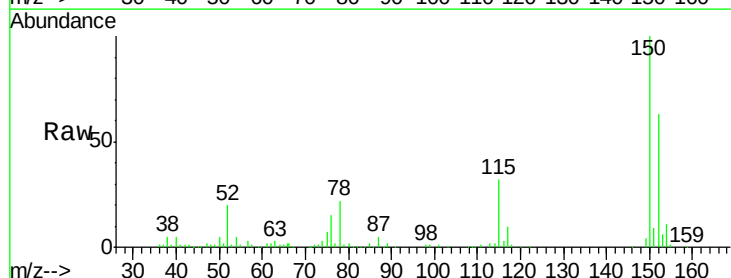
Tgt Ion:152 Resp: 34189

Ion Ratio Lower Upper

152 100

115 56.2 28.0 84.0

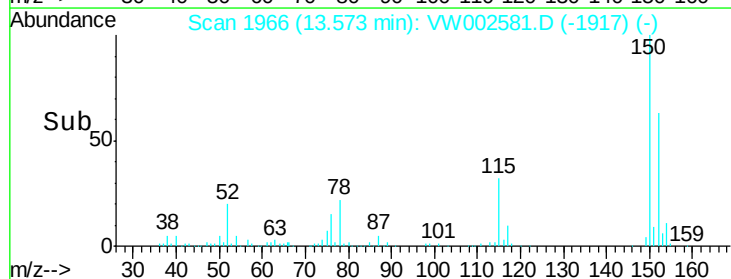
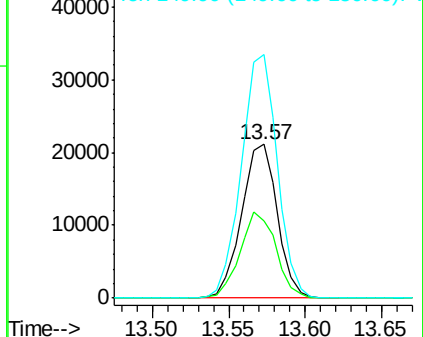
150 159.6 0.0 345.4

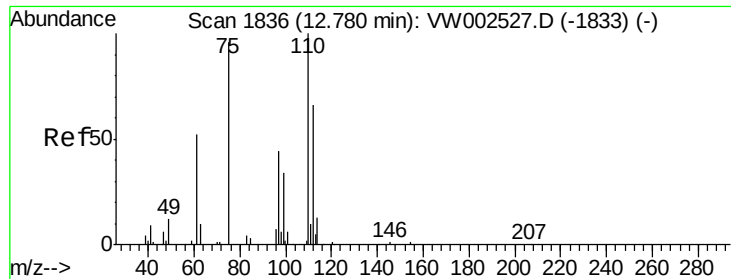


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 56.97 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002581.D

Acq: 16 May 2018 05:58

Instrument :

MSVOA_W

ClientSampled :

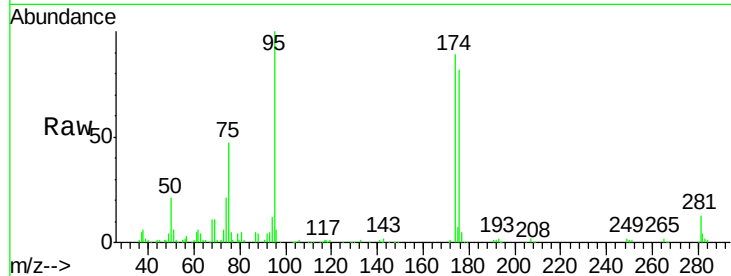
BP-4A

Tgt Ion: 75 Resp: 18412

Ion Ratio Lower Upper

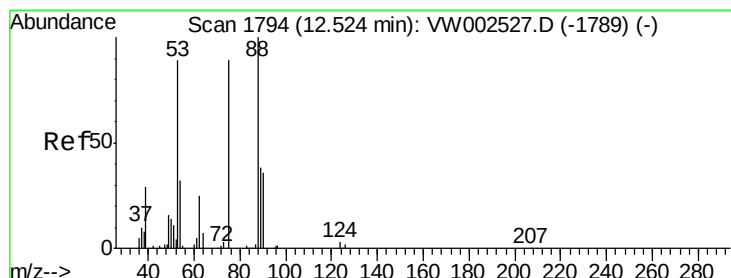
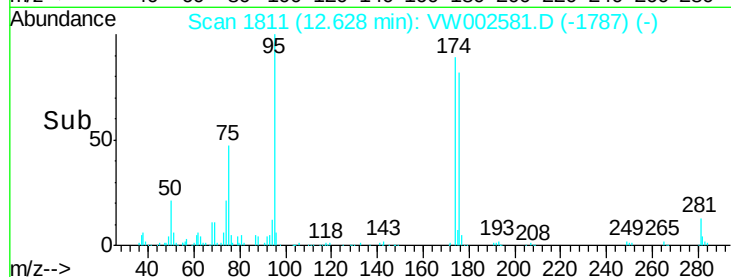
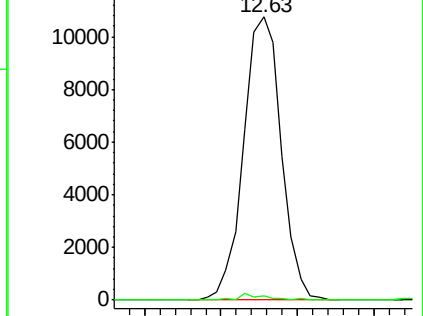
75 100

77 1.5 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: 155.33 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002581.D

Acq: 16 May 2018 05:58

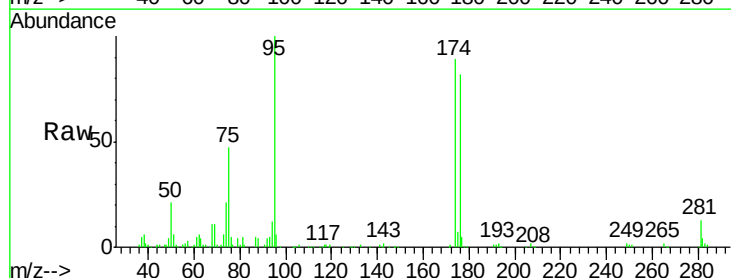
Tgt Ion: 75 Resp: 18412

Ion Ratio Lower Upper

75 100

53 0.7 82.6 124.0#

89 0.0 39.2 58.8#



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

