

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012918\
 Data File : VW001133.D
 Acq On : 29 Jan 2018 21:39
 Operator : JC/SY
 Sample : J1009-11
 Misc : 5.95G/5.0ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AU-06-012518-B

Quant Time: Jan 30 14:44:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 30 01:11:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	19081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	26883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	22881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	10489	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	13065	70.43	ug/l	0.00
Spiked Amount			Recovery	=	140.86%	
35) Dibromofluoromethane	7.88	113	2512	14.61	ug/l	0.00
Spiked Amount			Recovery	=	29.22%	
50) Toluene-d8	10.33	98	28160	42.55	ug/l	0.00
Spiked Amount			Recovery	=	85.10%	
62) 4-Bromofluorobenzene	12.63	95	9978	40.91	ug/l	0.00
Spiked Amount			Recovery	=	81.82%	

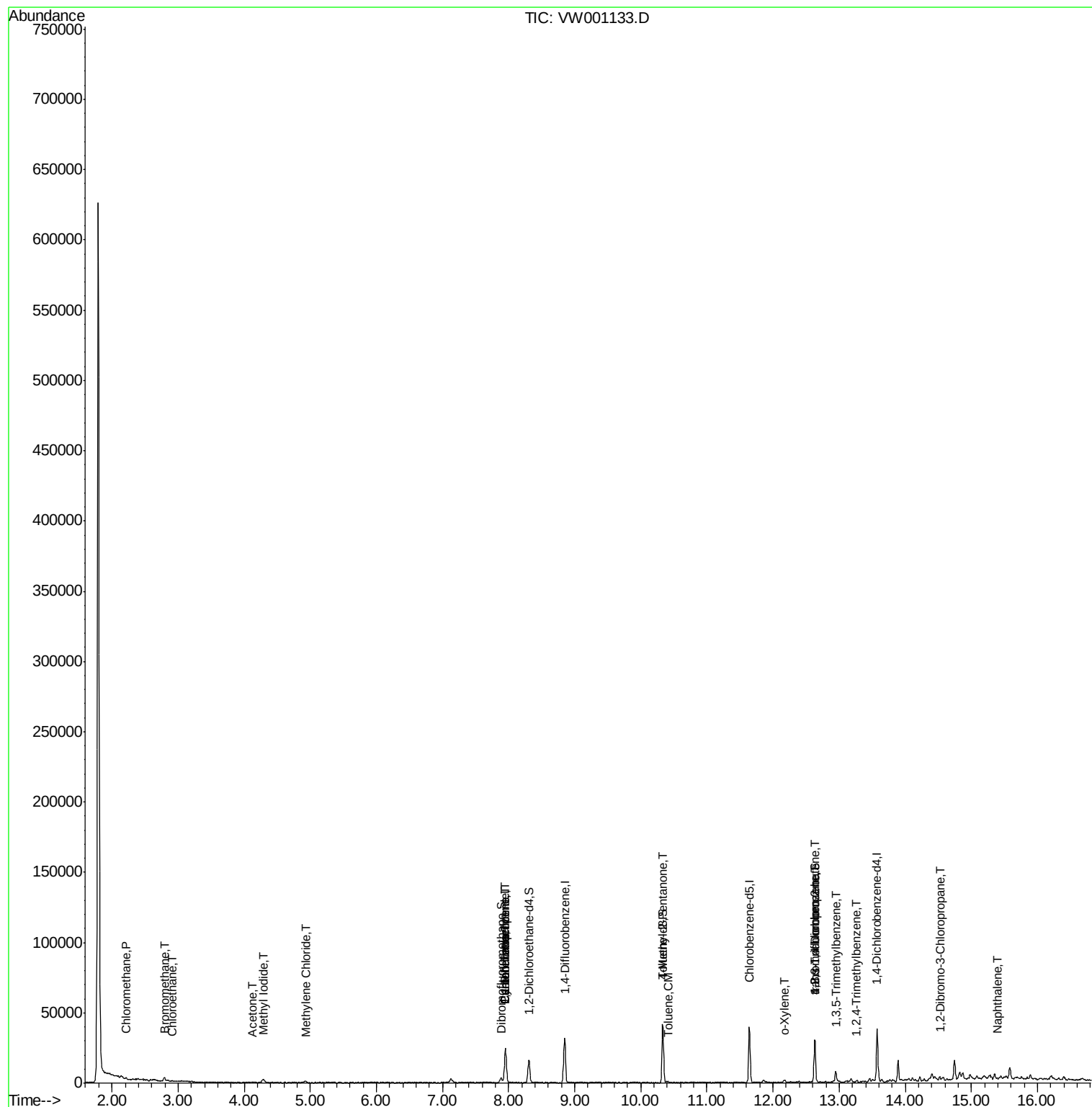
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	1063	7.53	ug/l #	78
5) Bromomethane	2.79	94	1662	15.92	ug/l	92
6) Chloroethane	2.92	64	196	2.46	ug/l #	42
10) Methyl Iodide	4.29	142	3674	20.02	ug/l	96
16) Acetone	4.14	43	276	5.66	ug/l #	43
18) Methyl Acetate	4.68	43	21	Below Cal	#	50
20) Methylene Chloride	4.93	84	757	2.35	ug/l #	91
31) Cyclohexane	7.95	56	451	1.64	ug/l #	25
36) 1,1-Dichloropropene	7.95	75	1361	5.61	ug/l #	48
38) Carbon Tetrachloride	7.95	117	1902	7.02	ug/l #	12
51) 4-Methyl-2-Pentanone	10.34	43	147	1.22	ug/l #	1
52) Toluene	10.40	92	512	1.19	ug/l	84
69) o-Xylene	12.18	106	637	2.30	ug/l	85
76) 1,2,3-Trichloropropane	12.63	75	5026	47.28	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.96	105	895	1.59	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.63	75	5026	124.31	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.26	105	884	1.55	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	56	2.07	ug/l #	1
95) Naphthalene	15.40	128	651	1.45	ug/l #	69

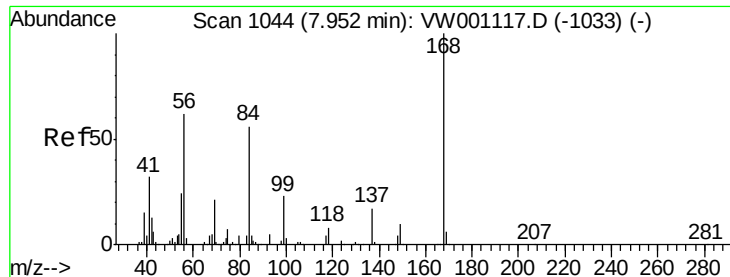
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW001133.D

Acq: 29 Jan 2018 21:39

Instrument :

MSVOA_W

ClientSampleId :

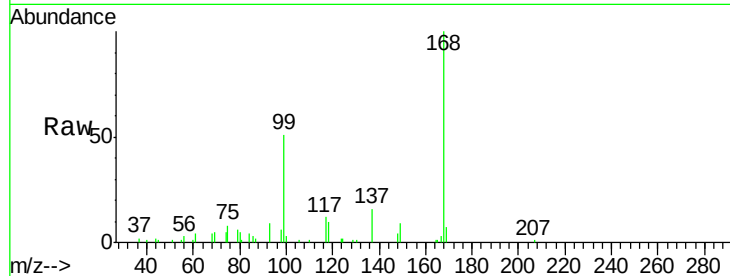
AU-06-012518-B

Tot Ion:168 Resp: 19081

Ion Ratio Lower Upper

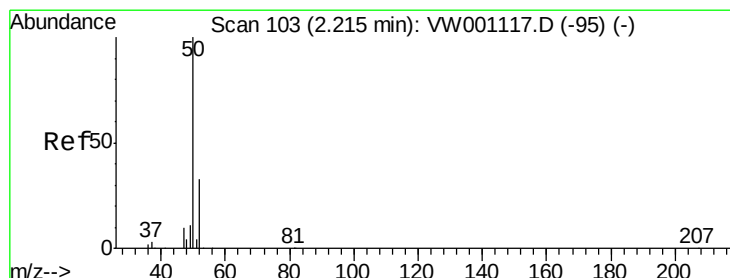
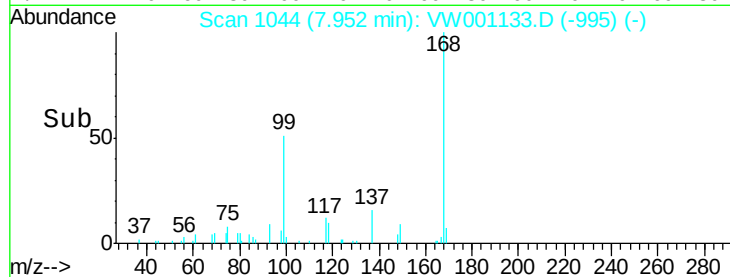
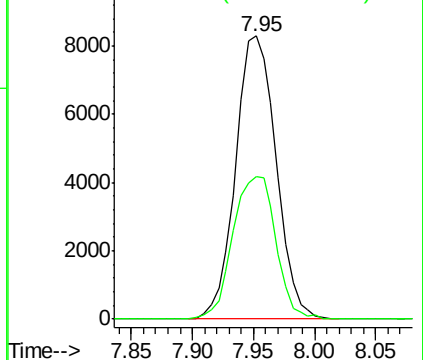
168 100

99 50.6 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 7.53 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW001133.D

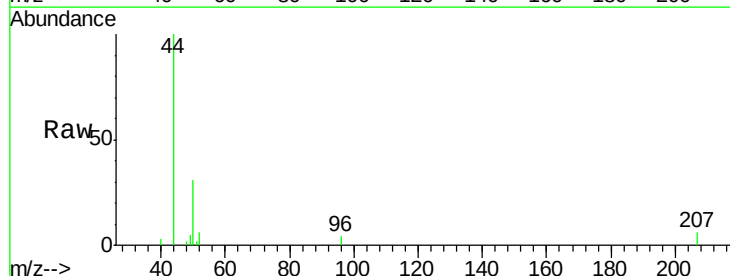
Acq: 29 Jan 2018 21:39

Tgt Ion: 50 Resp: 1063

Ion Ratio Lower Upper

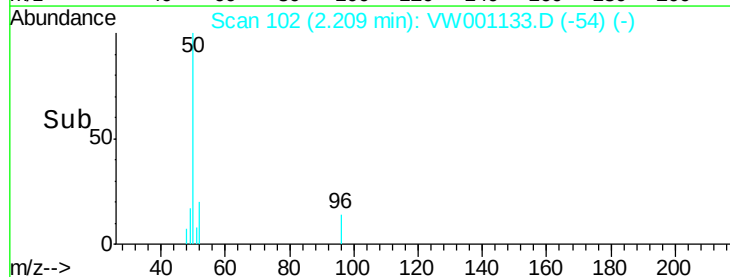
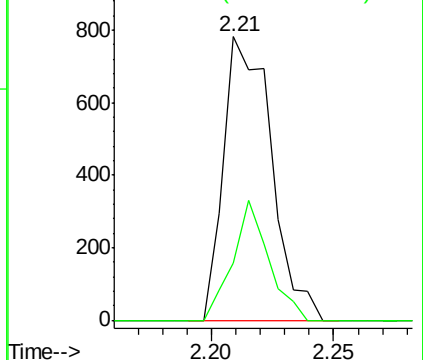
50 100

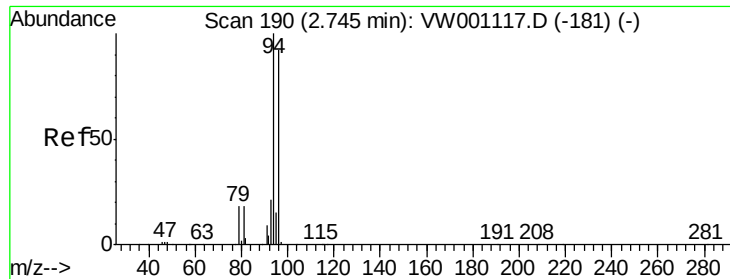
52 20.2 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#5

Bromomethane

Concen: 15.92 ug/l

RT: 2.79 min Scan# 198

Delta R.T. 0.05 min

Lab File: VW001133.D

Acq: 29 Jan 2018 21:39

Instrument :

MSVOA_W

ClientSampleId :

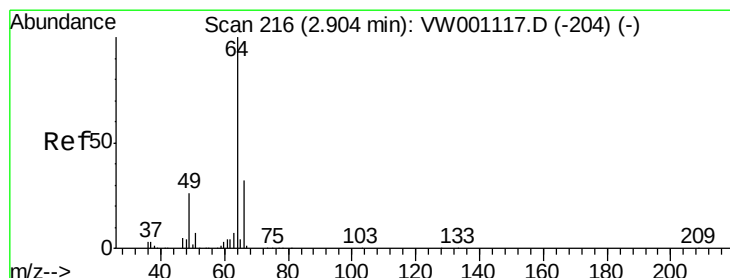
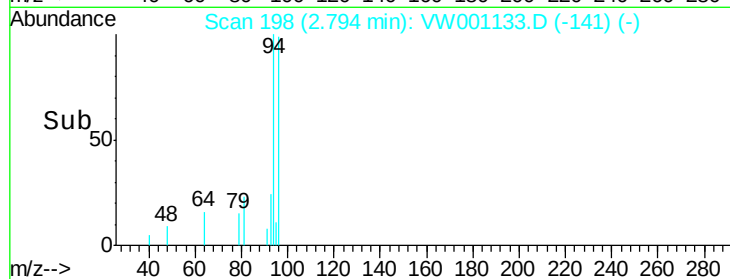
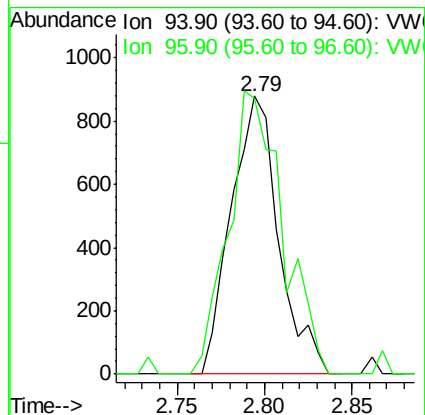
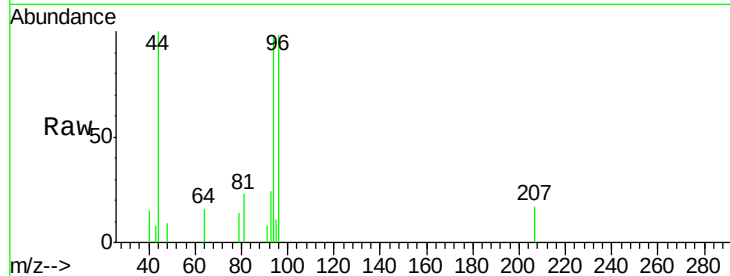
AU-06-012518-B

Tot Ion: 94 Resp: 1662

Ion Ratio Lower Upper

94 100

96 99.3 73.7 110.5



#6

Chloroethane

Concen: 2.46 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.01 min

Lab File: VW001133.D

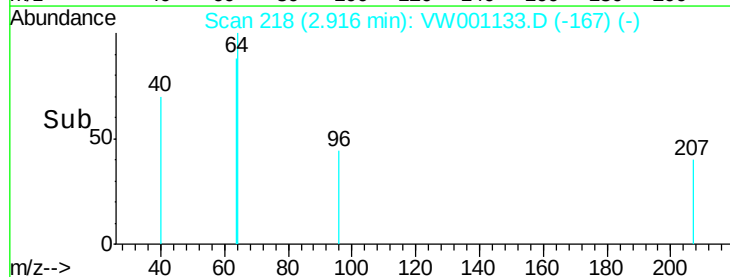
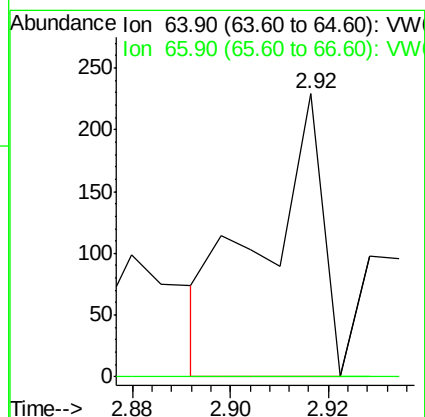
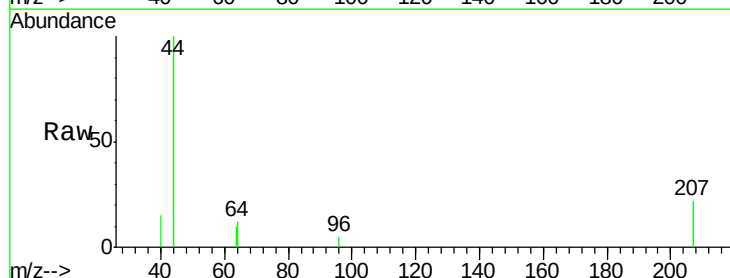
Acq: 29 Jan 2018 21:39

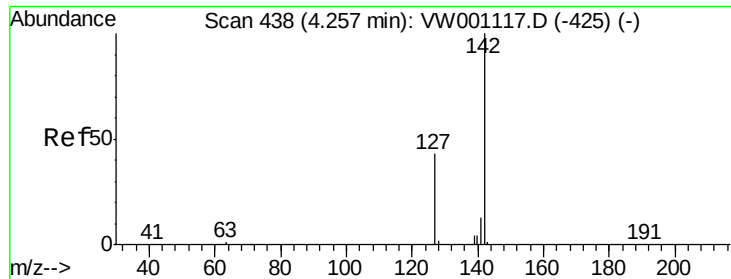
Tgt Ion: 64 Resp: 196

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.8#

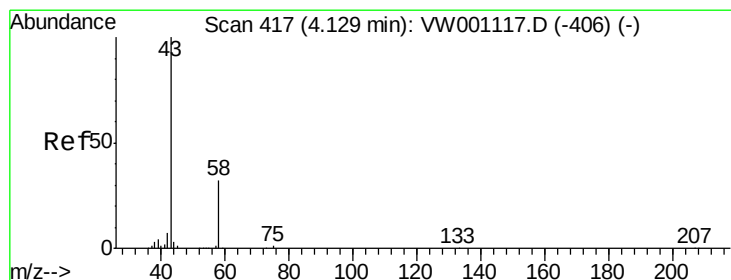
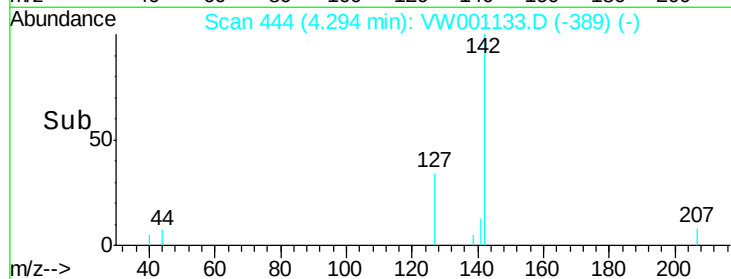
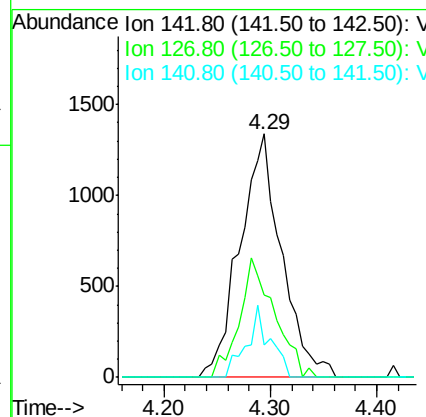
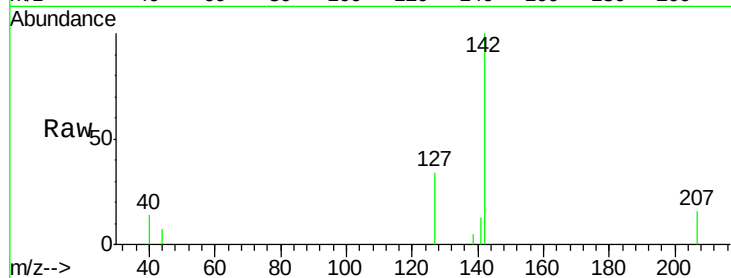




#10
Methvl Iodide
Concen: 20.02 ug/l
RT: 4.29 min Scan# 444
Delta R.T. 0.04 min
Lab File: VW001133.D
Acq: 29 Jan 2018 21:39

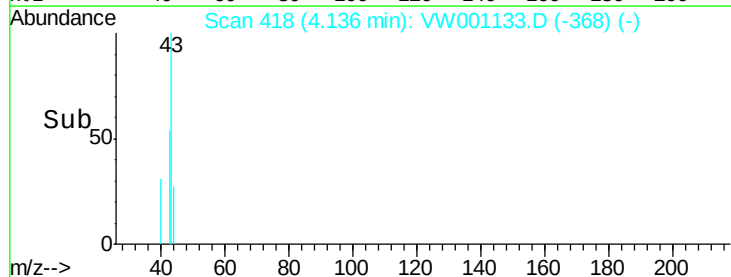
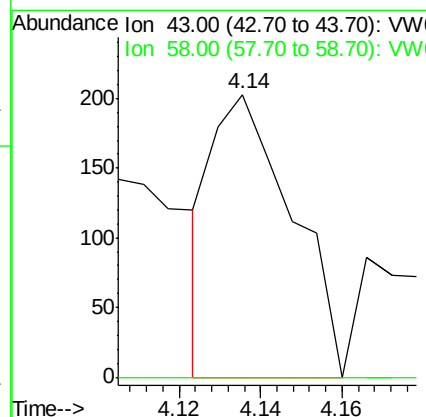
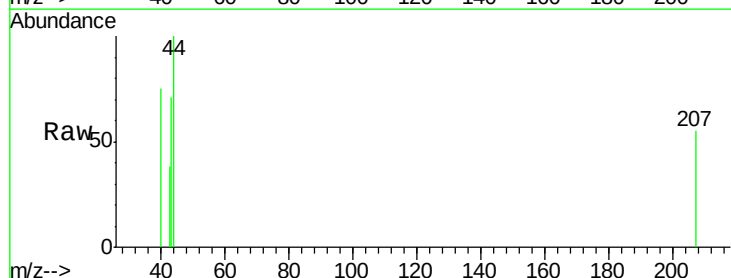
Instrument :
MSVOA_W
ClientSampleId :
AU-06-012518-B

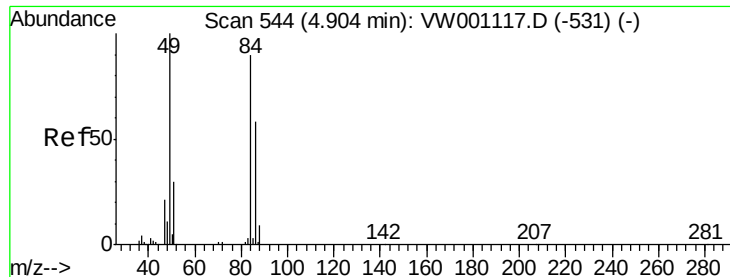
Tot Ion:142 Resp: 3674
Ion Ratio Lower Upper
142 100
127 41.7 35.4 53.2
141 16.5 11.6 17.4



#16
Acetone
Concen: 5.66 ug/l
RT: 4.14 min Scan# 418
Delta R.T. 0.01 min
Lab File: VW001133.D
Acq: 29 Jan 2018 21:39

Tgt Ion: 43 Resp: 276
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#





#20

Methylene Chloride

Concen: 2.35 ug/l

RT: 4.93 min Scan# 549

Delta R.T. 0.03 min

Lab File: VW001133.D

Acq: 29 Jan 2018 21:39

Instrument :

MSVOA_W

ClientSampleId :

AU-06-012518-B

Tot Ion: 84 Resp: 757

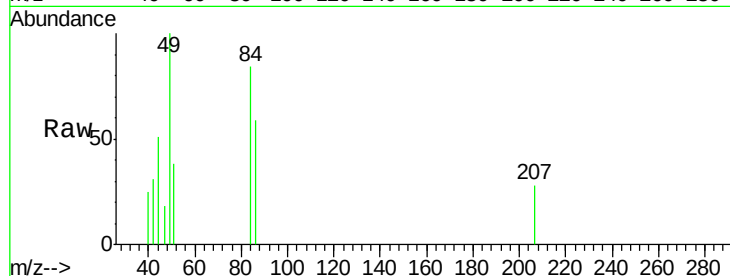
Ion Ratio Lower Upper

84 100

49 118.6 89.2 133.8

51 45.0 26.7 40.1#

86 69.9 51.7 77.5

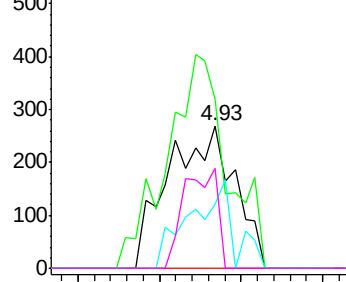


Abundance Ion 83.90 (83.60 to 84.60): VW

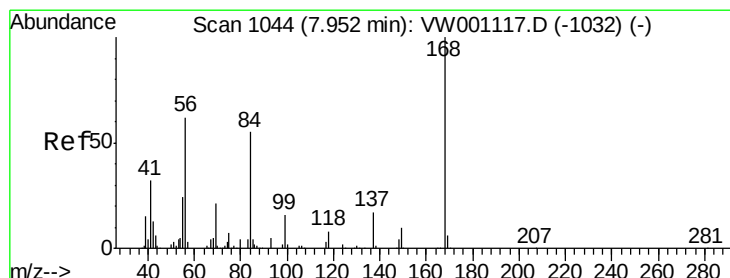
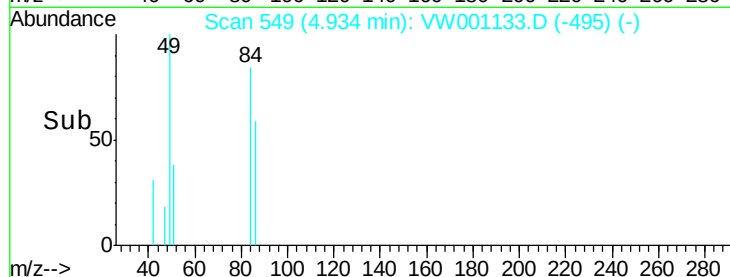
Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



Time-->



#31

Cyclohexane

Concen: 1.64 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW001133.D

Acq: 29 Jan 2018 21:39

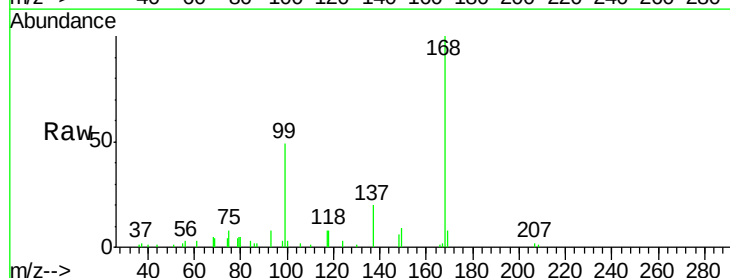
Tgt Ion: 56 Resp: 451

Ion Ratio Lower Upper

56 100

69 163.3 27.4 41.0#

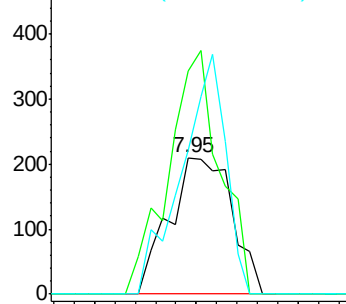
84 105.2 71.1 106.7



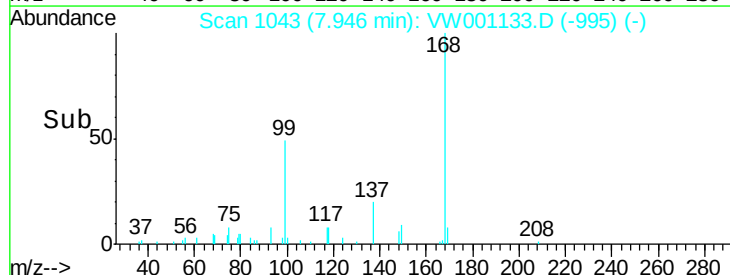
Abundance Ion 56.00 (55.70 to 56.70): VW

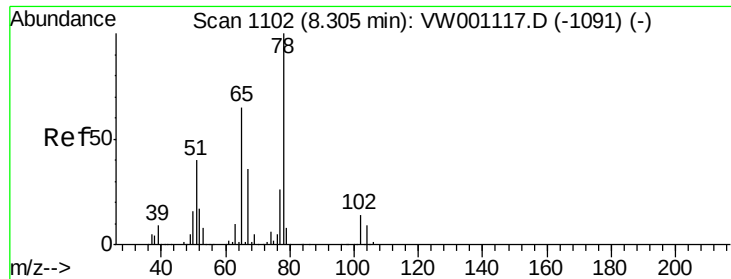
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



Time-->

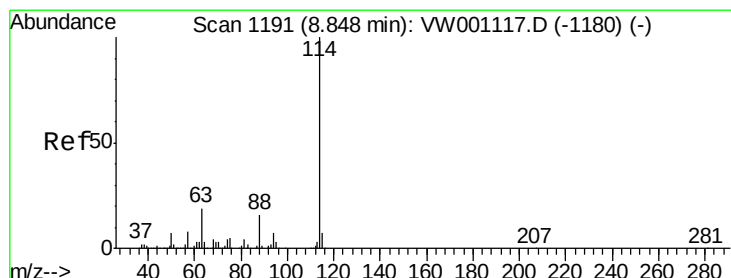
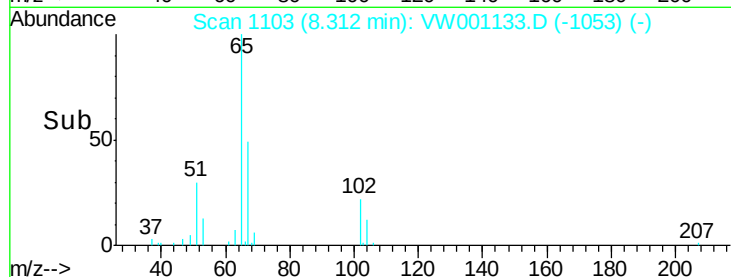
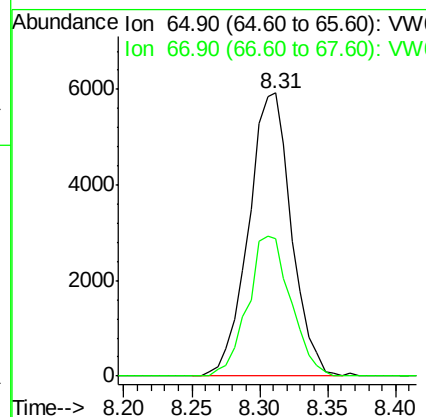
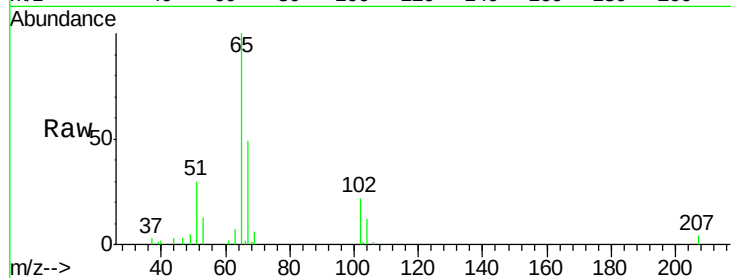




#33
 1,2-Dichloroethane-d4
 Concen: 70.43 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW001133.D
 Acq: 29 Jan 2018 21:39

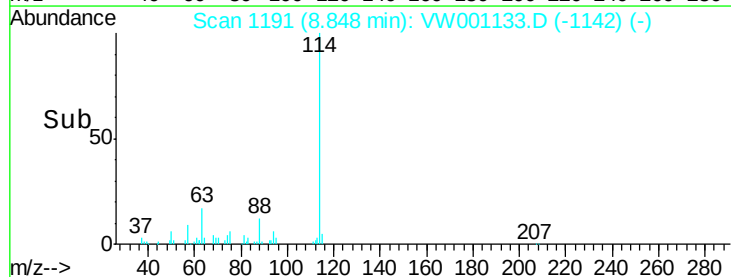
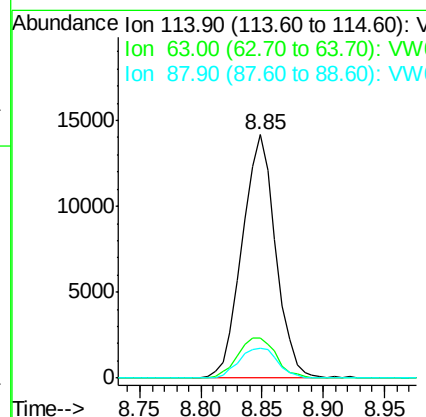
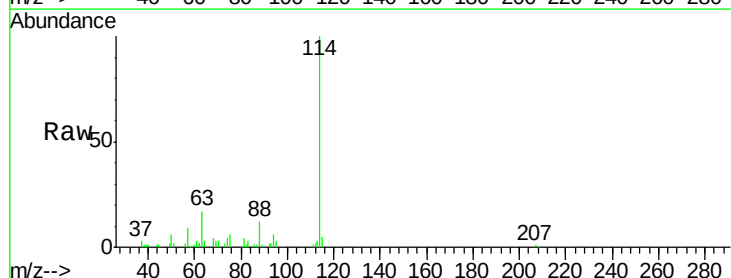
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 MSVOA_W
 ClientSampleId :
 AU-06-012518-B

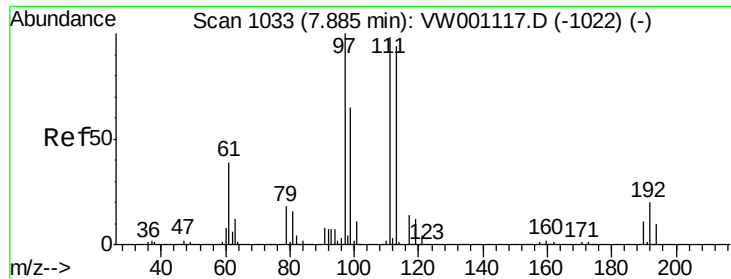
Tot Ion: 65 Resp: 13065
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW001133.D
 Acq: 29 Jan 2018 21:39

Tgt Ion: 114 Resp: 26883
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 38.2
 88 12.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 14.61 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VW001133.D

Acq: 29 Jan 2018 21:39

Instrument :

MSVOA_W

ClientSampleId :

AU-06-012518-B

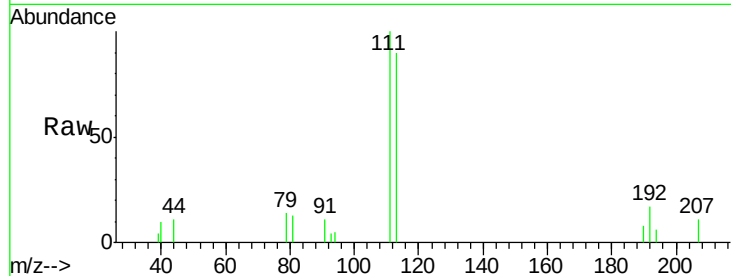
Tot Ion:113 Resp: 2512

Ion Ratio Lower Upper

113 100

111 111.7 83.1 124.7

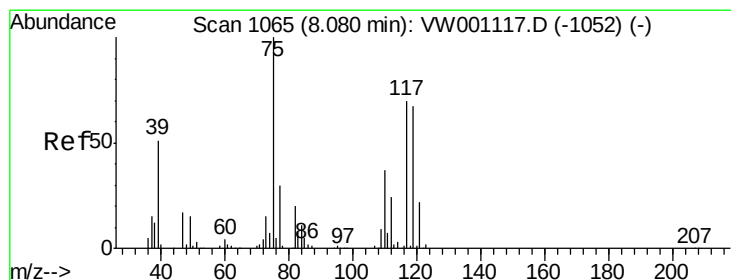
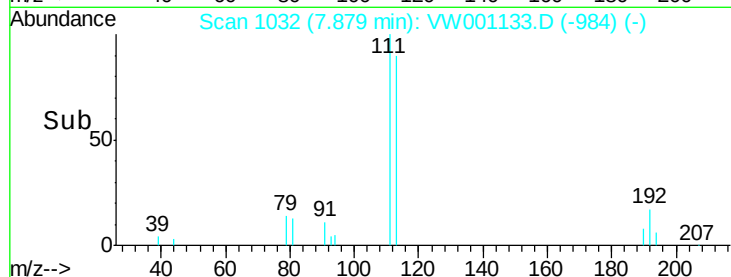
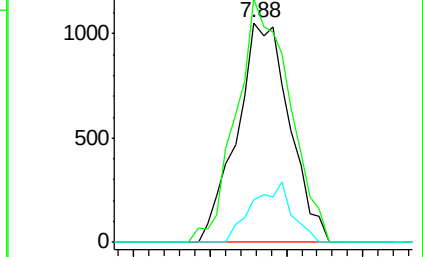
192 20.6 17.8 26.6



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: 5.61 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW001133.D

Acq: 29 Jan 2018 21:39

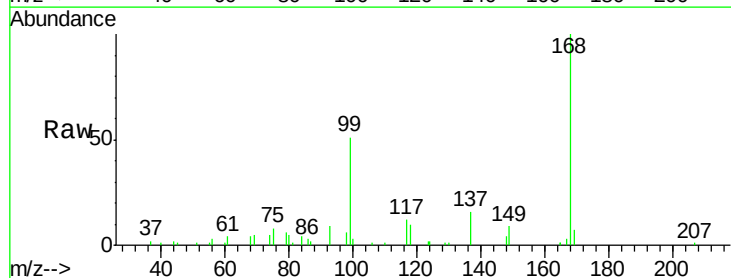
Tgt Ion: 75 Resp: 1361

Ion Ratio Lower Upper

75 100

110 8.4 18.7 56.1#

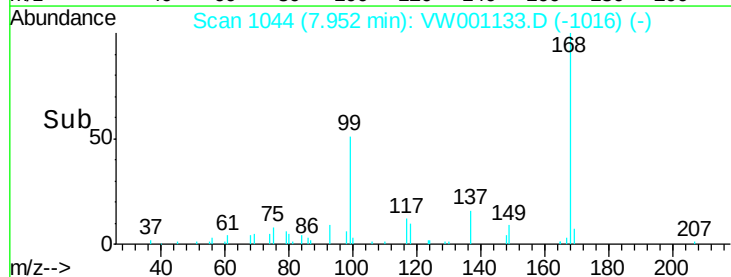
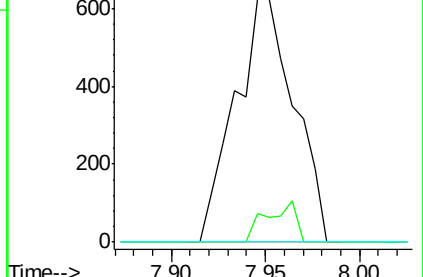
77 0.0 24.6 37.0#

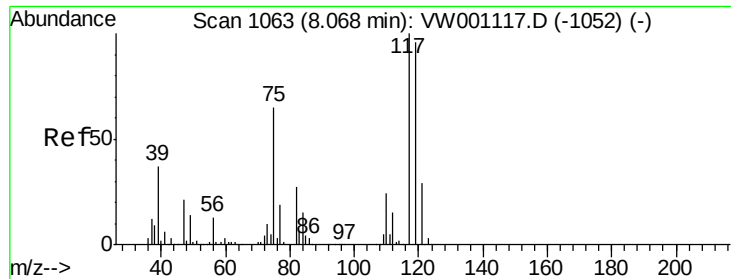


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.02 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW001133.D

Acq: 29 Jan 2018 21:39

Instrument :

MSVOA_W

ClientSampleId :

AU-06-012518-B

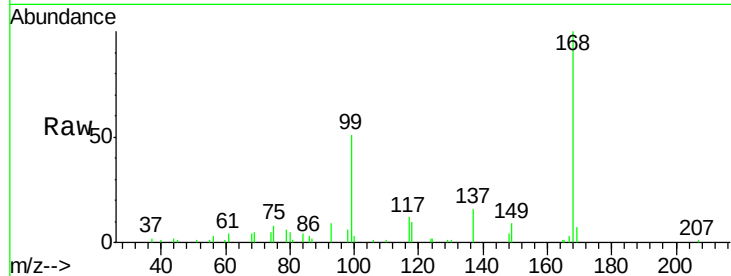
Tot Ion:117 Resp: 1902

Ion Ratio Lower Upper

117 100

119 0.0 77.0 115.4#

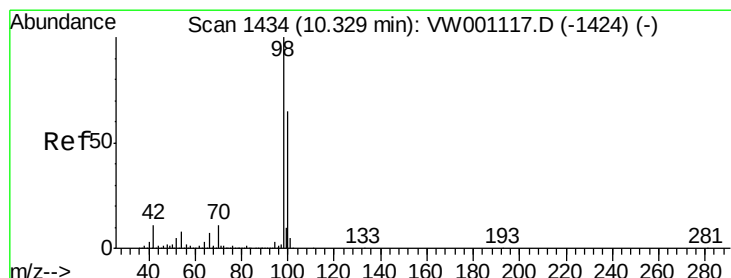
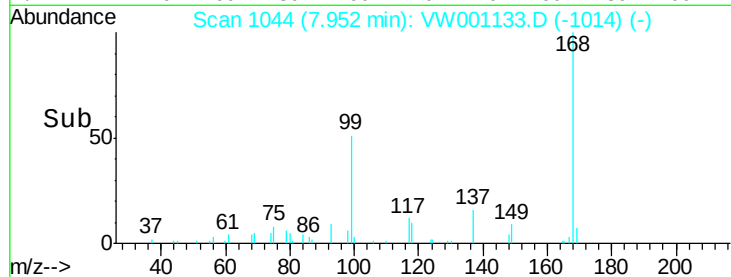
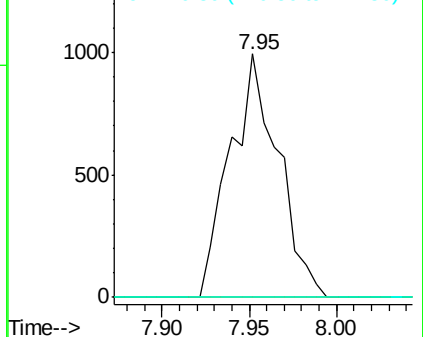
121 0.0 23.5 35.3#



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: 42.55 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW001133.D

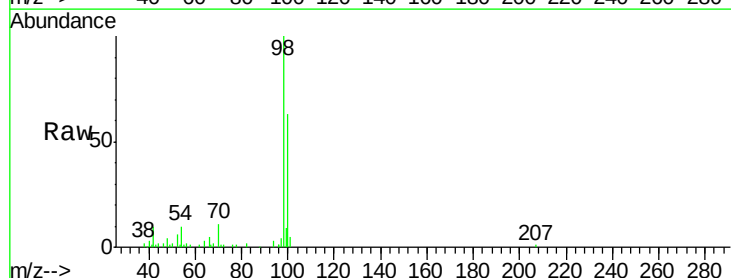
Acq: 29 Jan 2018 21:39

Tgt Ion: 98 Resp: 28160

Ion Ratio Lower Upper

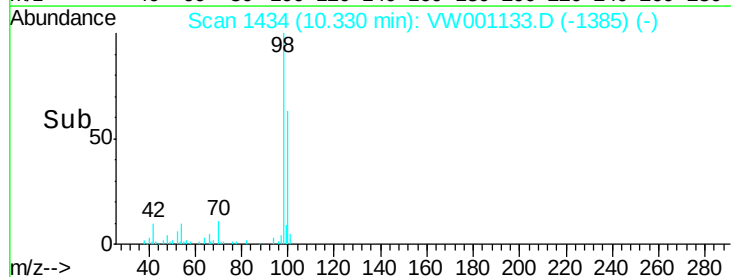
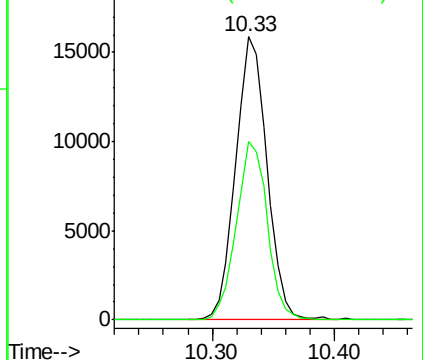
98 100

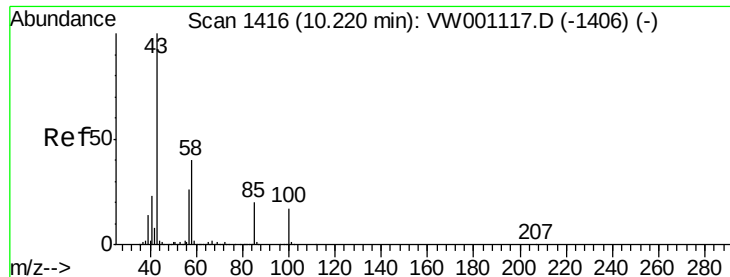
100 62.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.22 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.12 min

Lab File: VW001133.D

Acq: 29 Jan 2018 21:39

Instrument :

MSVOA_W

ClientSampleId :

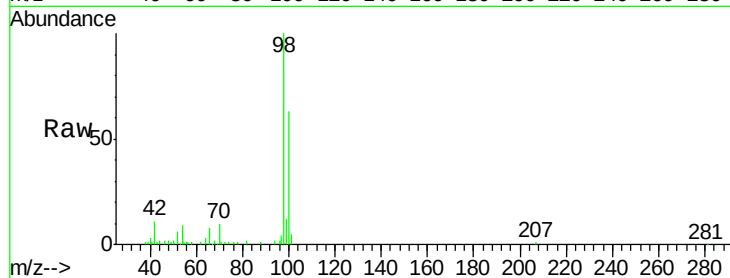
AU-06-012518-B

Tot Ion: 43 Resp: 147

Ion Ratio Lower Upper

43 100

58 106.8 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

200

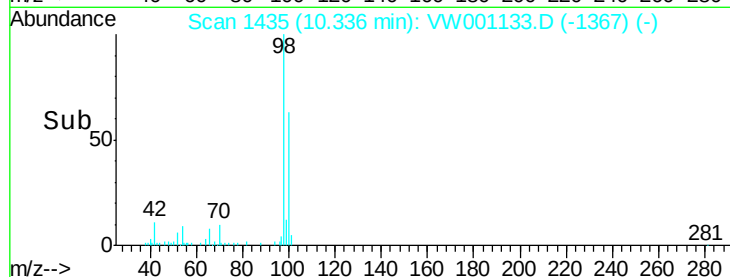
150

100

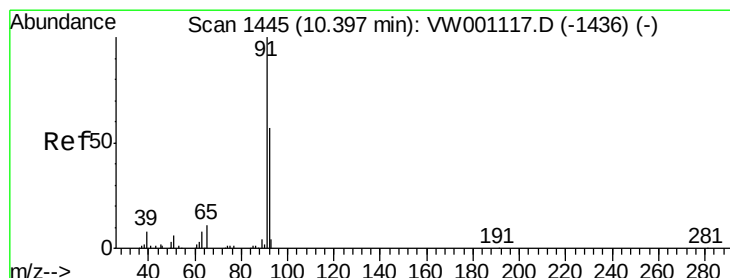
50

0

10.30 10.32 10.34 10.36



Time-->



#52

Toluene

Concen: 1.19 ug/l

RT: 10.40 min Scan# 1446

Delta R.T. 0.01 min

Lab File: VW001133.D

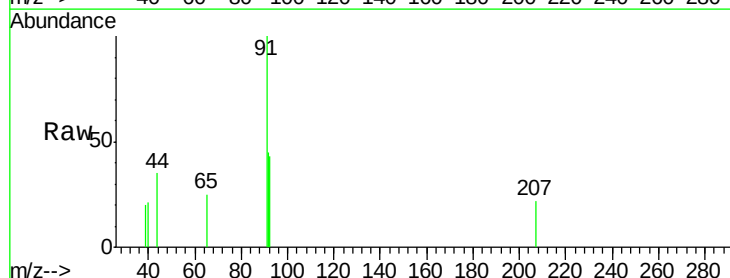
Acq: 29 Jan 2018 21:39

Tgt Ion: 92 Resp: 512

Ion Ratio Lower Upper

92 100

91 152.9 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

600

500

400

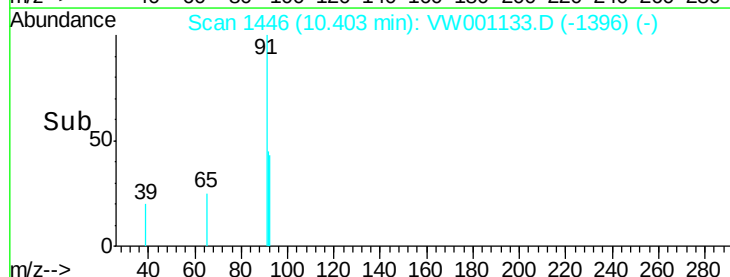
300

200

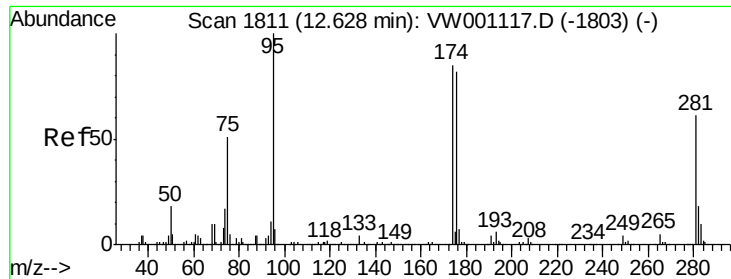
100

0

10.35 10.40



Time-->



#62

4-Bromofluorobenzene

Concen: 40.91 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW001133.D

Acq: 29 Jan 2018 21:39

Instrument :

MSVOA_W

ClientSampleId :

AU-06-012518-B

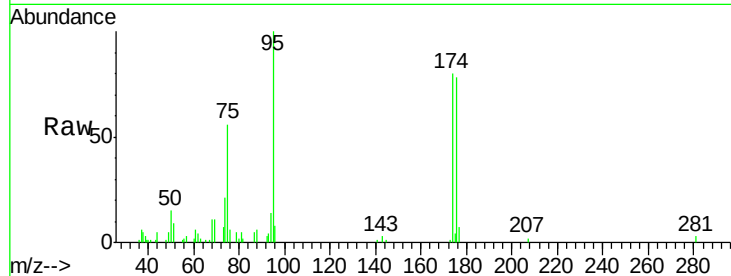
Tot Ion: 95 Resp: 9978

Ion Ratio Lower Upper

95 100

174 89.4 0.0 179.6

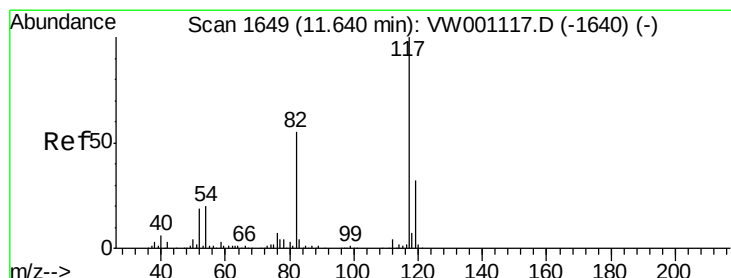
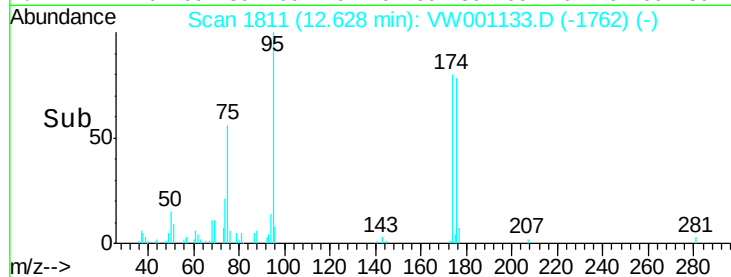
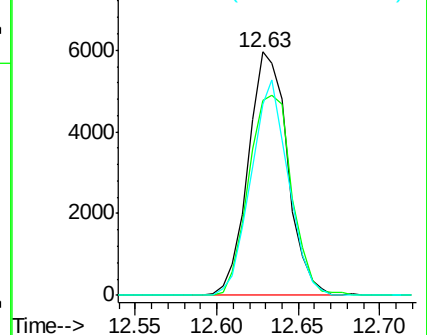
176 84.0 0.0 174.4



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: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW001133.D

Acq: 29 Jan 2018 21:39

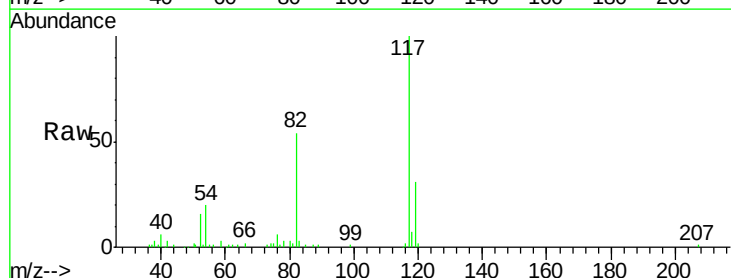
Tgt Ion: 117 Resp: 22881

Ion Ratio Lower Upper

117 100

82 54.1 43.8 65.8

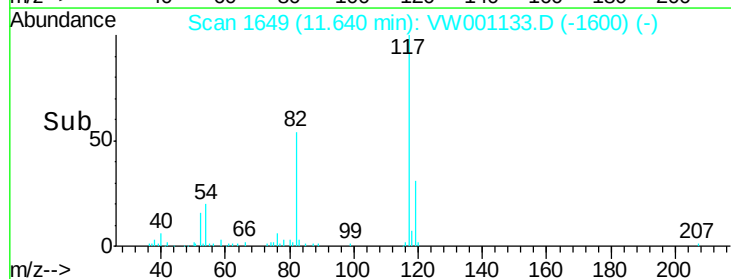
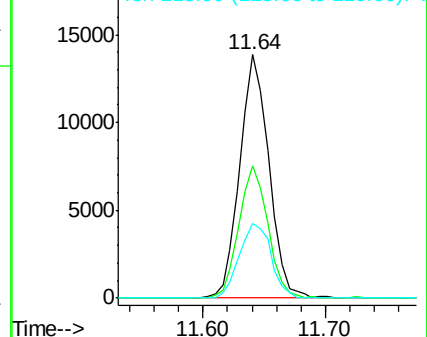
119 30.9 25.8 38.8

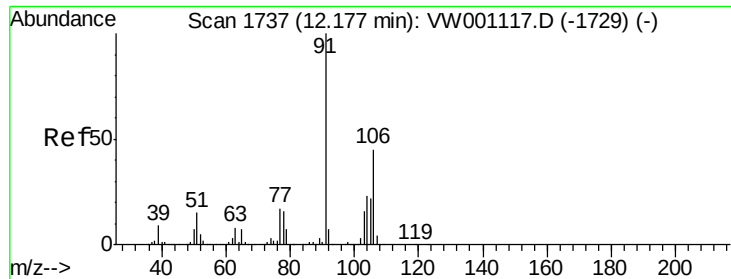


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

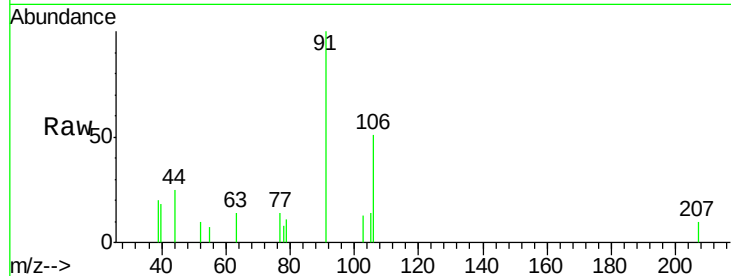




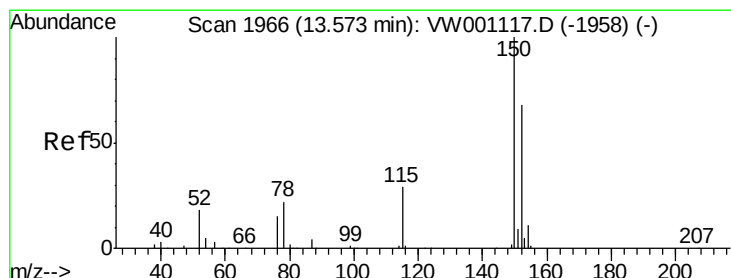
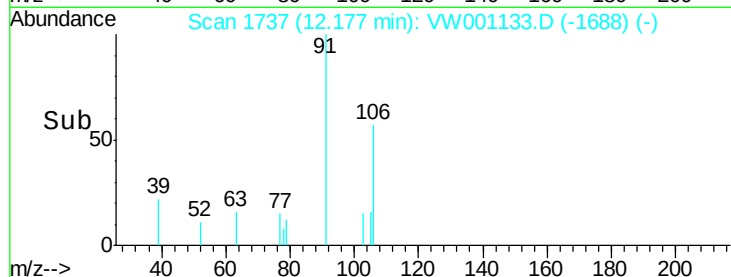
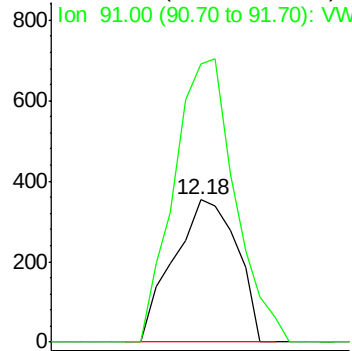
#69
o-Xylene
Concen: 2.30 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VW001133.D
Acq: 29 Jan 2018 21:39

Instrument :
MSVOA_W
ClientSampleId :
AU-06-012518-B

Tot Ion:106 Resp: 637
Ion Ratio Lower Upper
106 100
91 191.5 107.6 322.8

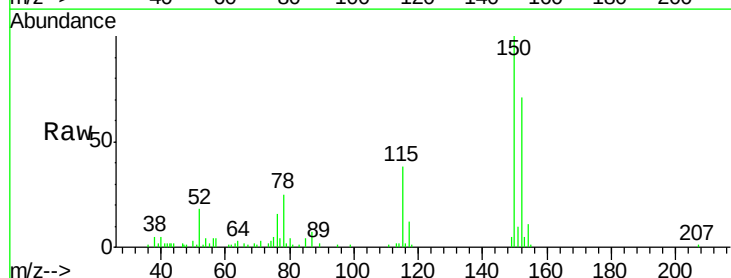


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

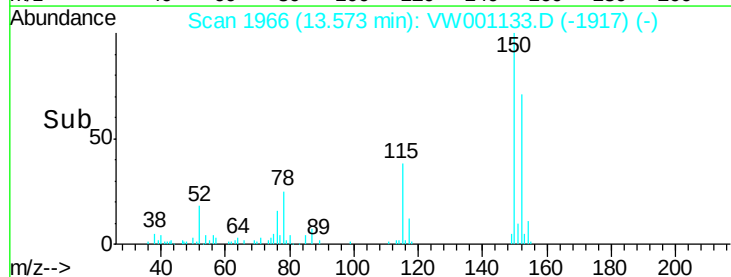
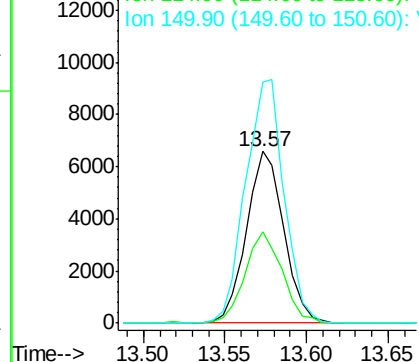


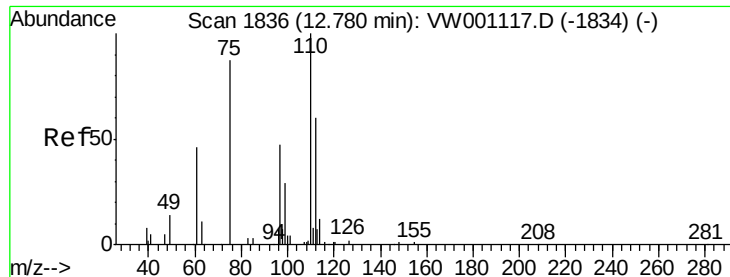
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VW001133.D
Acq: 29 Jan 2018 21:39

Tgt Ion:152 Resp: 10489
Ion Ratio Lower Upper
152 100
115 53.0 28.4 85.3
150 146.4 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

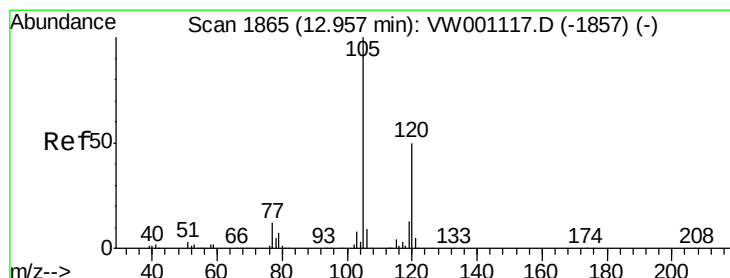
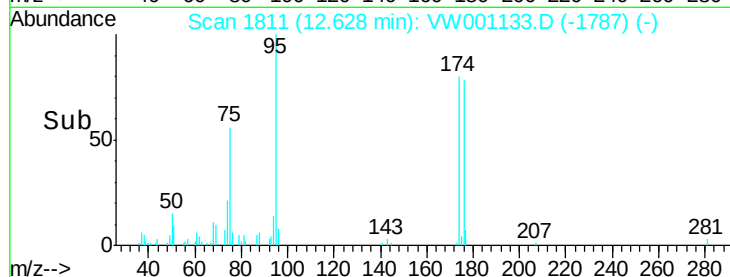
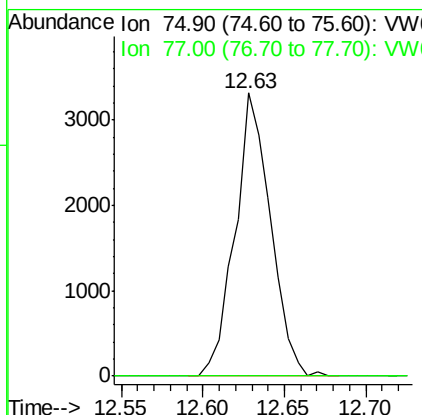
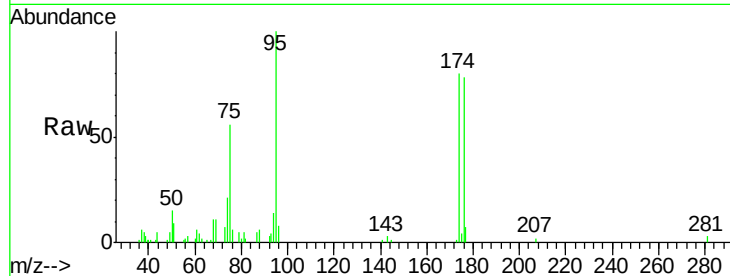




#76
 1,2,3-Trichloropropane
 Concen: 47.28 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW001133.D
 Acq: 29 Jan 2018 21:39

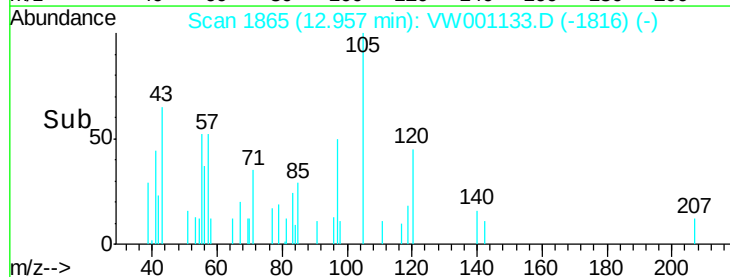
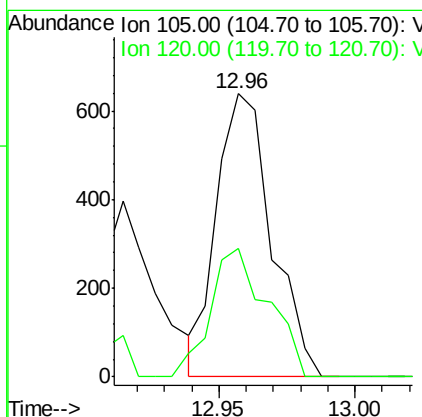
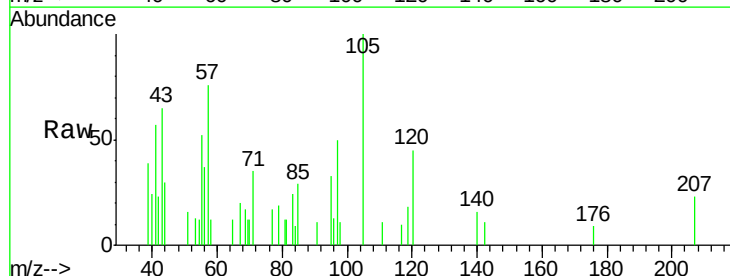
Instrument :
 MSVOA_W
 ClientSampleId :
 AU-06-012518-B

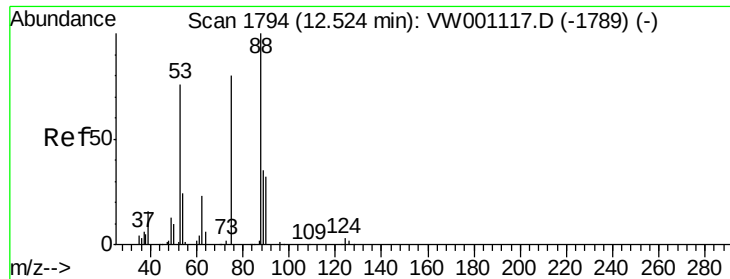
Tot Ion: 75 Resp: 5026
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#80
 1,3,5-Trimethylbenzene
 Concen: 1.59 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VW001133.D
 Acq: 29 Jan 2018 21:39

Tgt Ion: 105 Resp: 895
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 124.31 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW001133.D

Acq: 29 Jan 2018 21:39

Instrument :

MSVOA_W

ClientSampleId :

AU-06-012518-B

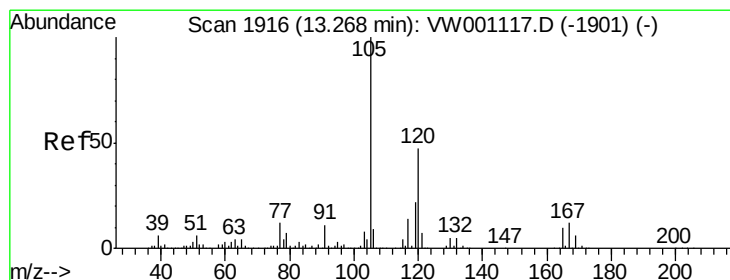
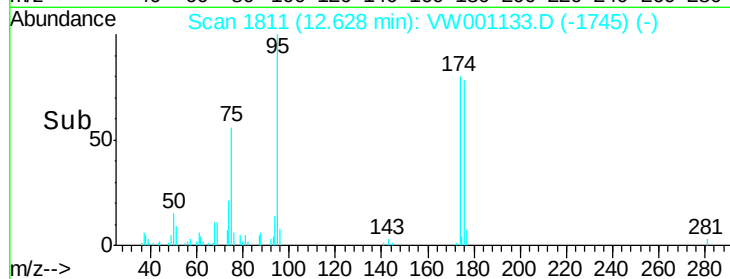
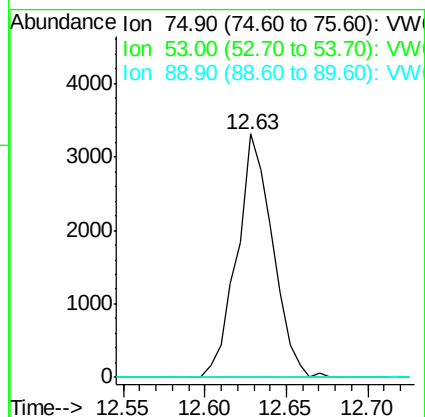
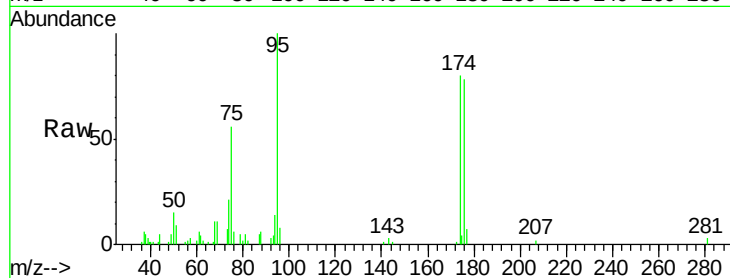
Tot Ion: 75 Resp: 5026

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

89 0.0 38.2 57.4#



#84

1,2,4-Trimethylbenzene

Concen: 1.55 ug/l

RT: 13.26 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VW001133.D

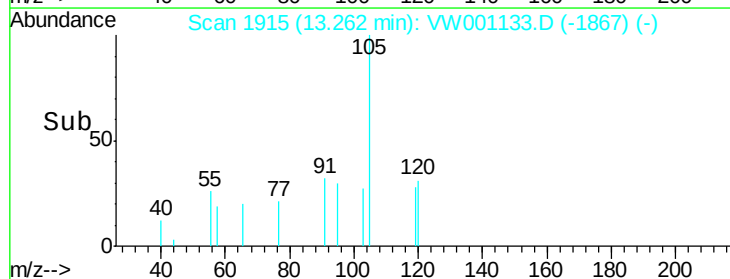
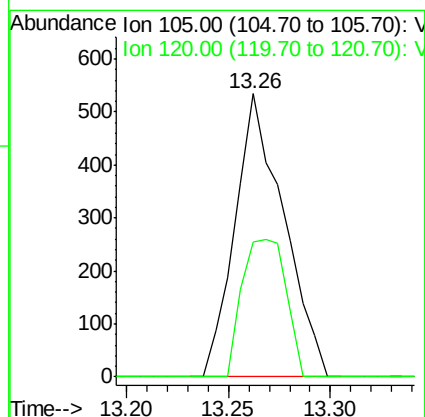
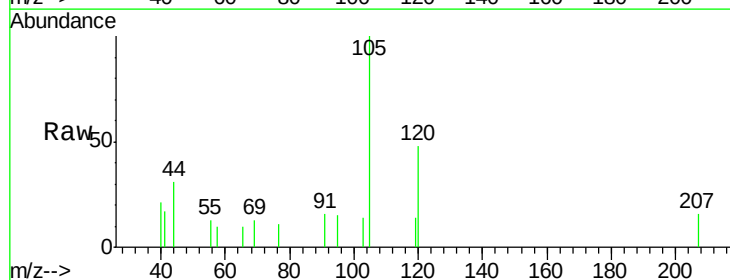
Acq: 29 Jan 2018 21:39

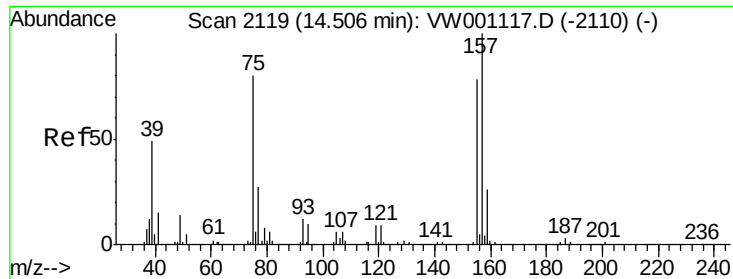
Tgt Ion:105 Resp: 884

Ion Ratio Lower Upper

105 100

120 43.7 22.9 68.8

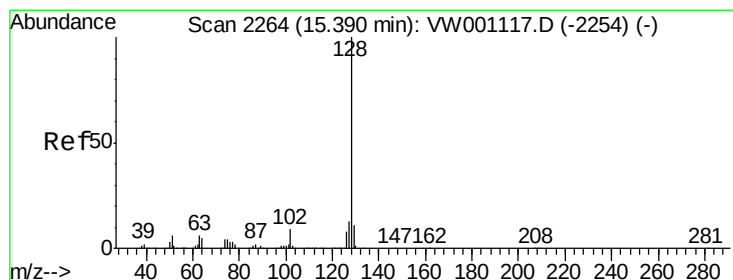
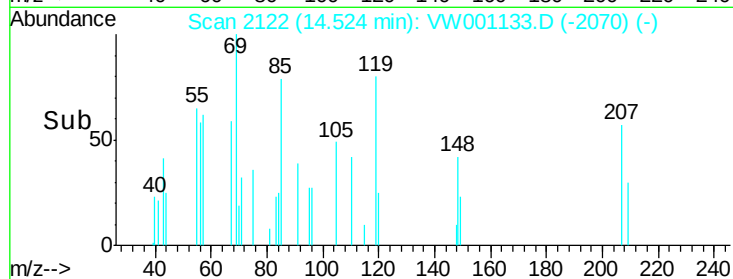
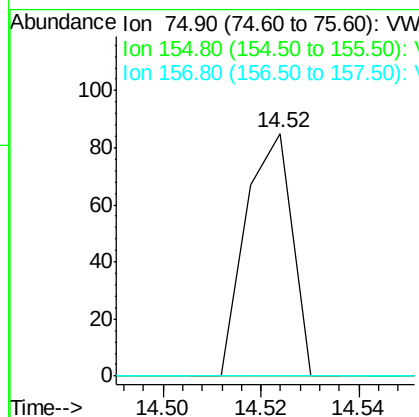
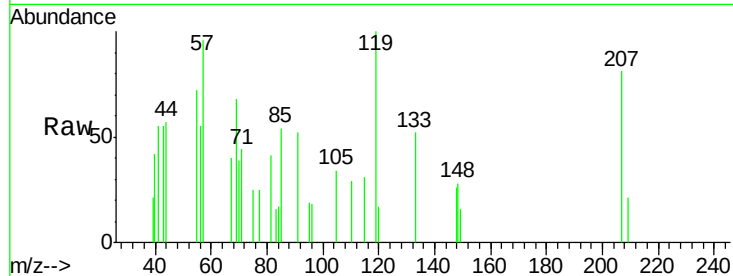




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.07 ug/l
 RT: 14.52 min Scan# 2122
 Delta R.T. 0.02 min
 Lab File: VW001133.D
 Acq: 29 Jan 2018 21:39

Instrument :
 MSVOA_W
 ClientSampleId :
 AU-06-012518-B

Tot Ion: 75 Resp: 56
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.3 138.9#
 157 0.0 60.0 180.0#



#95
 Naphthalene
 Concen: 1.45 ug/l
 RT: 15.40 min Scan# 2265
 Delta R.T. 0.01 min
 Lab File: VW001133.D
 Acq: 29 Jan 2018 21:39

Tgt Ion: 128 Resp: 651
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.7 13.1#

