

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\
 Data File : VW001136.D
 Acq On : 29 Jan 2018 22:53
 Operator : JC/SY
 Sample : J1286-02RE
 Misc : 5.18G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GL-WF-01-VO1RE

Quant Time: Jan 30 02:12:58 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	127829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	186110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	142403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	48968	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	97039	78.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	156.16%	
35) Dibromofluoromethane	7.88	113	65343	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	
50) Toluene-d8	10.33	98	222755	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.63	95	57225	33.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.78%	

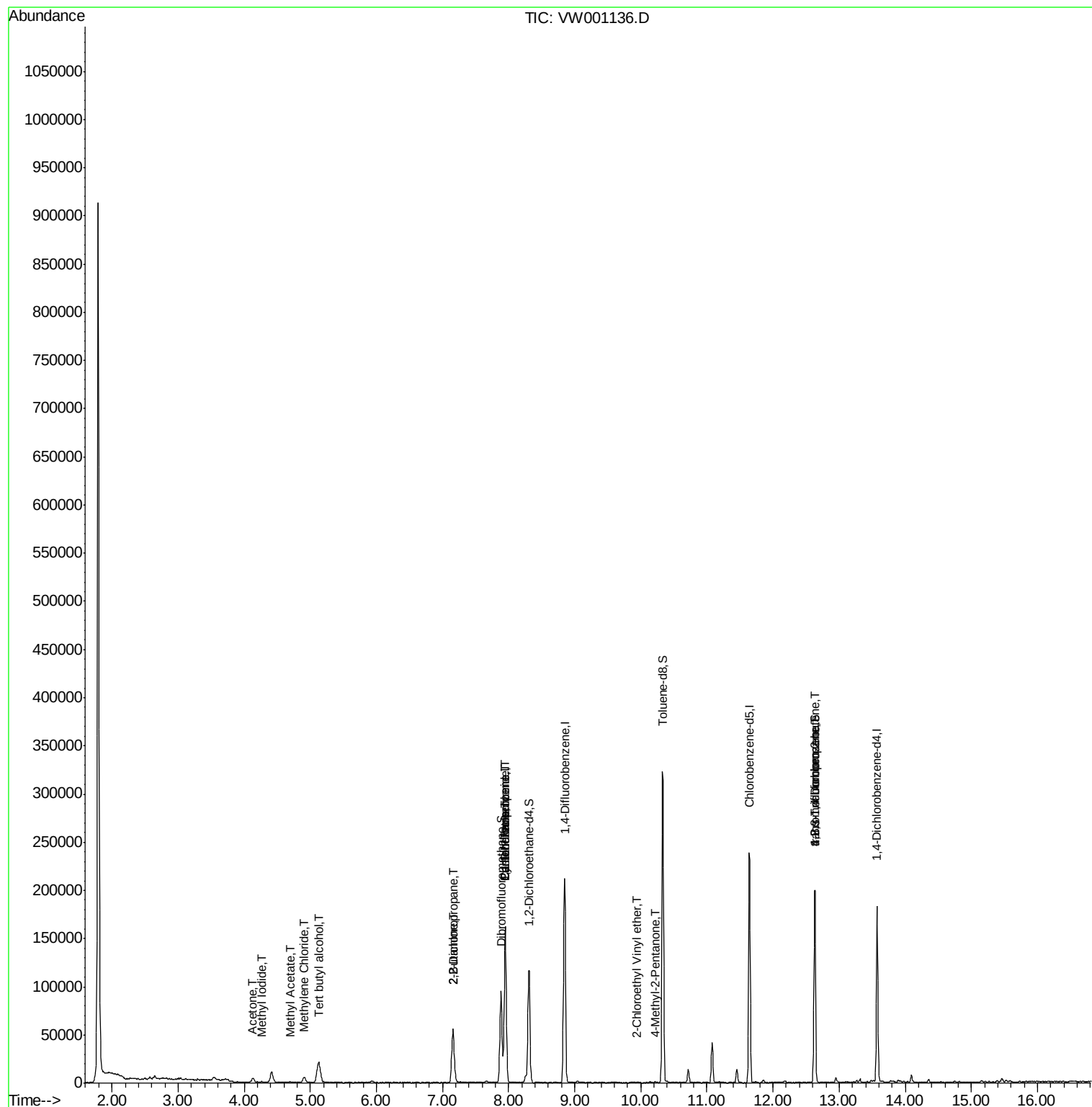
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.75	94	394	Below Cal	#	35
10) Methyl Iodide	4.27	142	1732	1.41	ug/l #	94
11) Tert butyl alcohol	5.13	59	19942	199.72	ug/l #	76
16) Acetone	4.13	43	7067	21.63	ug/l #	83
18) Methyl Acetate	4.68	43	1517	1.63	ug/l	99
20) Methylene Chloride	4.90	84	4259	1.56	ug/l	94
25) 2-Butanone	7.17	43	3227	7.52	ug/l #	70
26) 2,2-Dichloropropane	7.16	77	3709	1.97	ug/l #	52
31) Cyclohexane	7.95	56	2437	1.32	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	9376	5.58	ug/l #	50
38) Carbon Tetrachloride	7.95	117	12368	6.59	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	975	1.17	ug/l #	66
58) 2-Chloroethyl Vinyl ether	9.95	63	56	23.47	ug/l #	70
76) 1,2,3-Trichloropropane	12.63	75	29152	58.74	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	29152	154.45	ug/l #	12

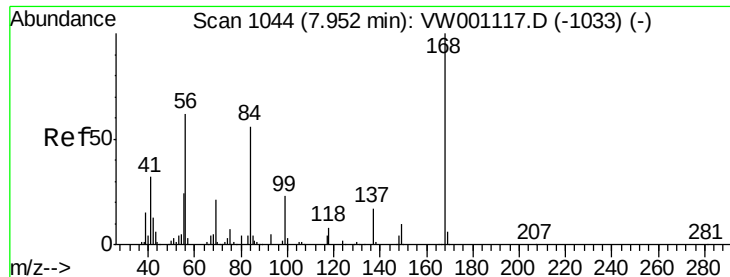
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW001136.D

Acq: 29 Jan 2018 22:53

Instrument :

MSVOA_W

ClientSampleId :

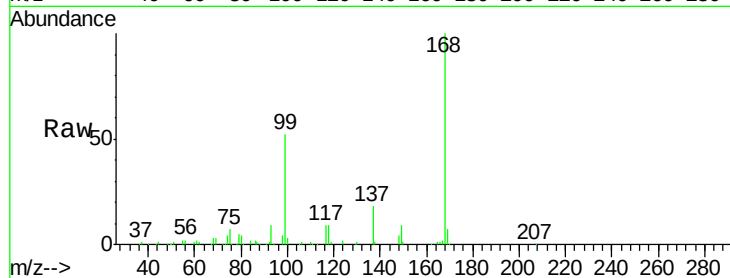
GL-WF-01-VO1RE

Tgt Ion:168 Resp: 127829

Ion Ratio Lower Upper

168 100

99 52.3 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

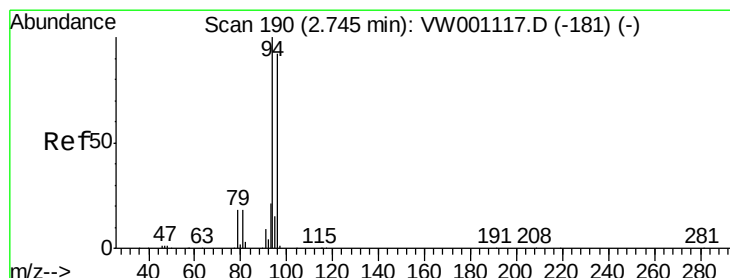
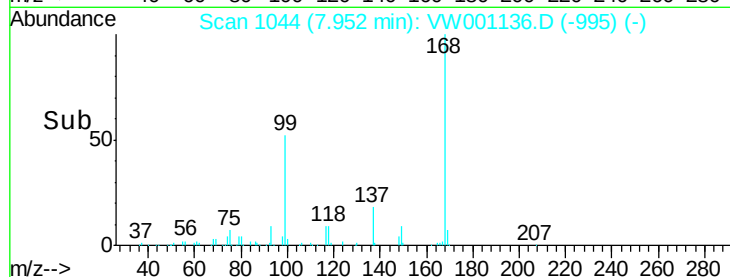
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.75 min Scan# 190

Delta R.T. 0.00 min

Lab File: VW001136.D

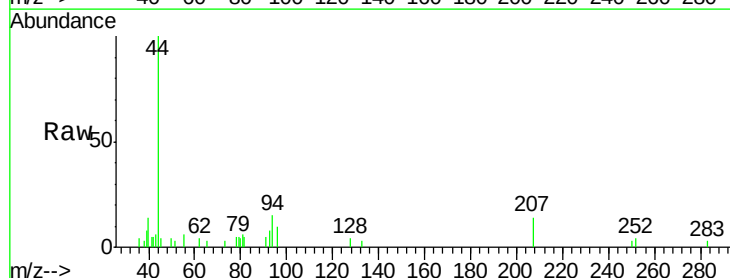
Acq: 29 Jan 2018 22:53

Tgt Ion: 94 Resp: 394

Ion Ratio Lower Upper

94 100

96 30.5 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.75

600

500

400

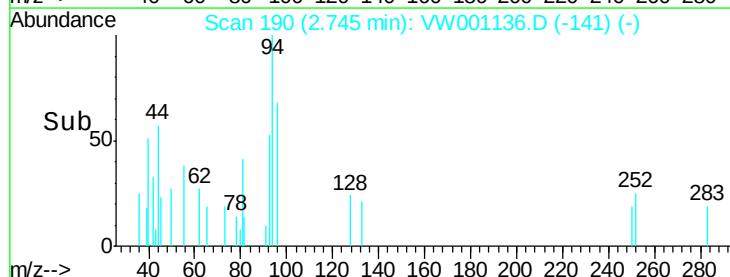
300

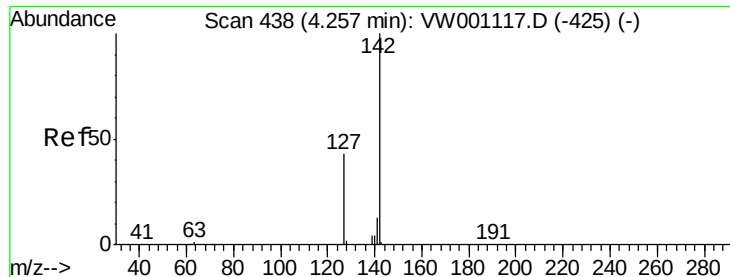
200

100

0

Time-->

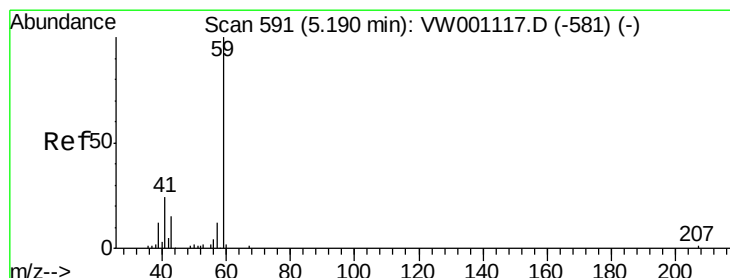
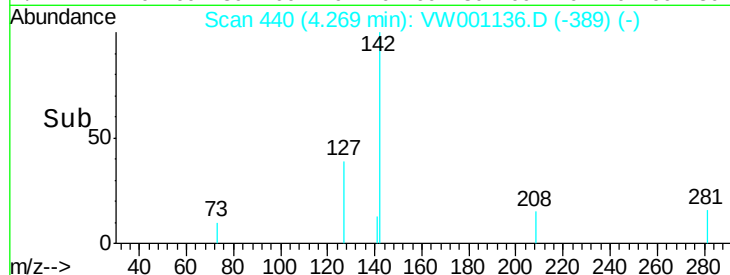
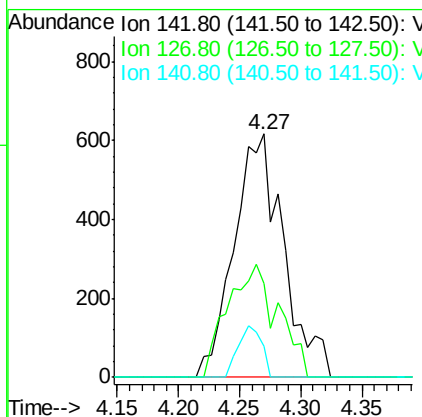
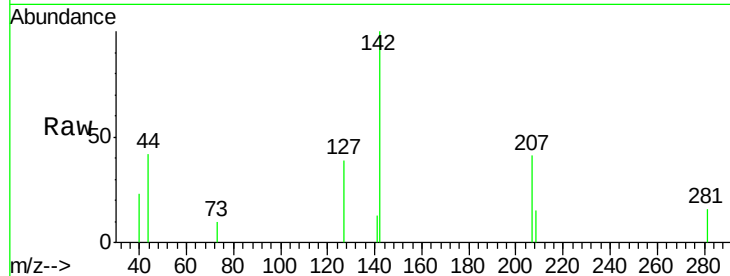




#10
Methyl Iodide
Concen: 1.41 ug/l
RT: 4.27 min Scan# 440
Delta R.T. 0.01 min
Lab File: VW001136.D
Acq: 29 Jan 2018 22:53

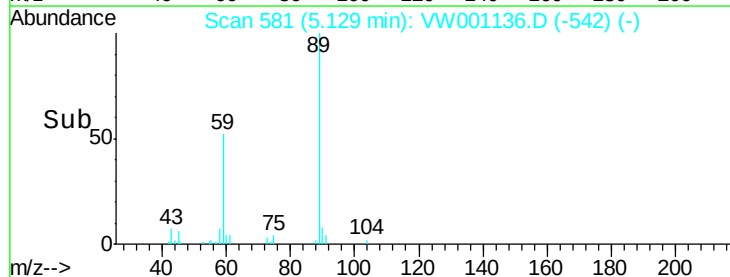
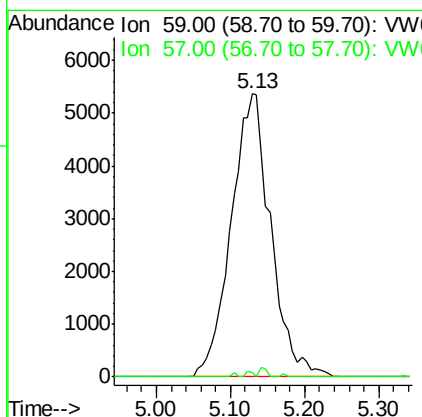
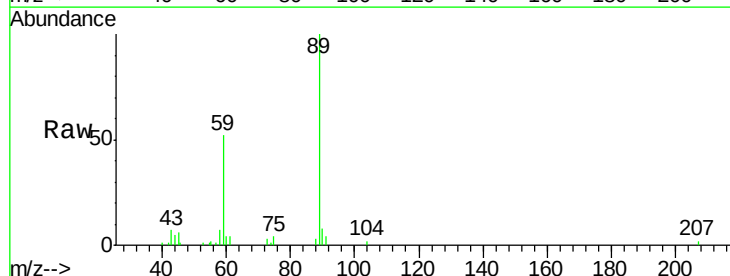
Instrument :
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GL-WF-01-VO1RE

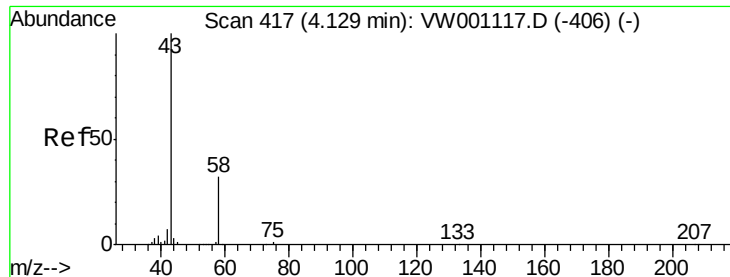
Tgt Ion:142 Resp: 1732
Ion Ratio Lower Upper
142 100
127 47.3 35.4 53.2
141 9.9 11.6 17.4#



#11
Tert butyl alcohol
Concen: 199.72 ug/l
RT: 5.13 min Scan# 581
Delta R.T. -0.06 min
Lab File: VW001136.D
Acq: 29 Jan 2018 22:53

Tgt Ion: 59 Resp: 19942
Ion Ratio Lower Upper
59 100
57 1.0 7.8 11.8#





#16

Acetone

Concen: 21.63 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.00 min

Lab File: VW001136.D

Acq: 29 Jan 2018 22:53

Instrument :

MSVOA_W

ClientSampleId :

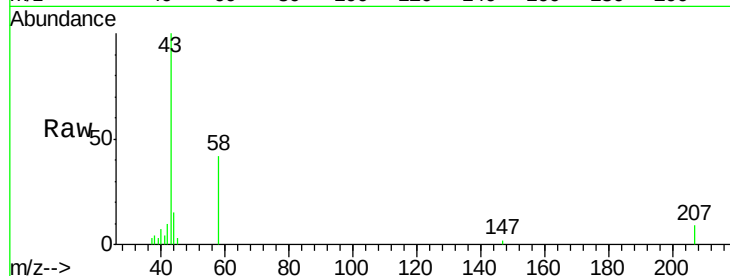
GL-WF-01-VO1RE

Tgt Ion: 43 Resp: 7067

Ion Ratio Lower Upper

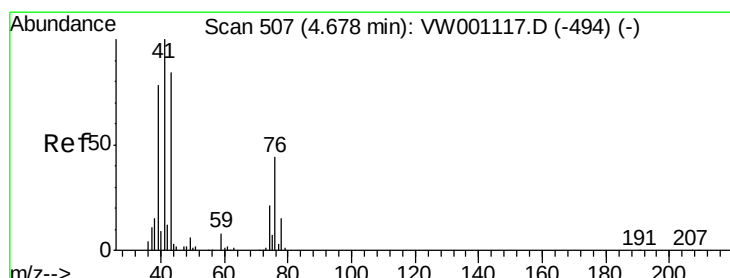
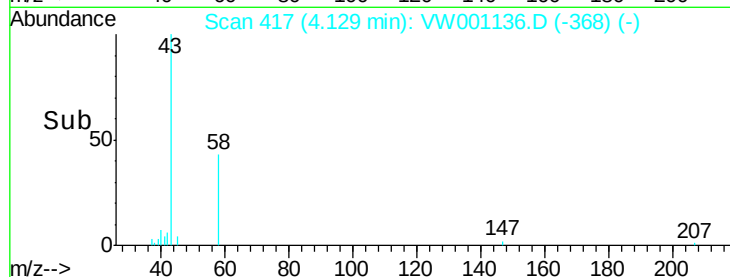
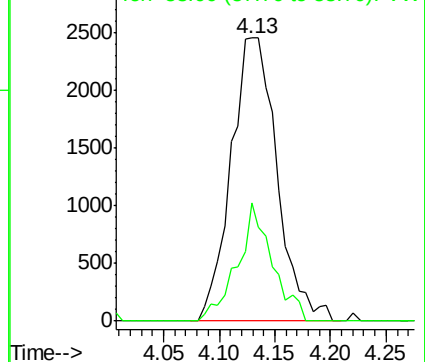
43 100

58 41.6 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.63 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.01 min

Lab File: VW001136.D

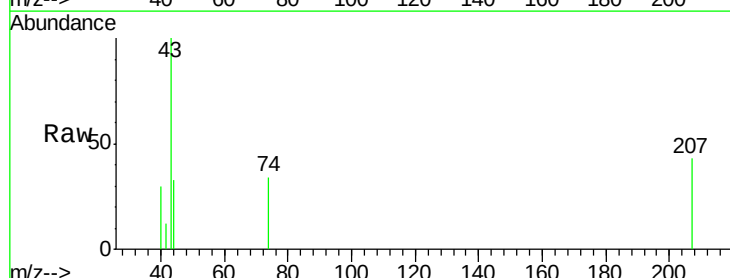
Acq: 29 Jan 2018 22:53

Tgt Ion: 43 Resp: 1517

Ion Ratio Lower Upper

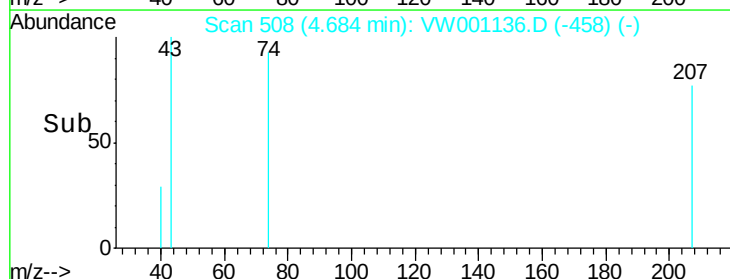
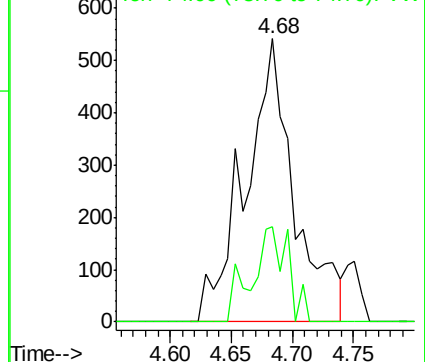
43 100

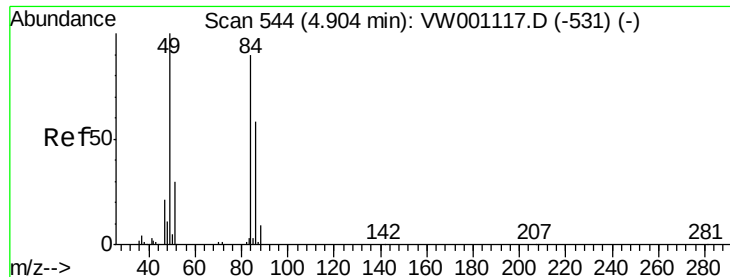
74 24.9 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

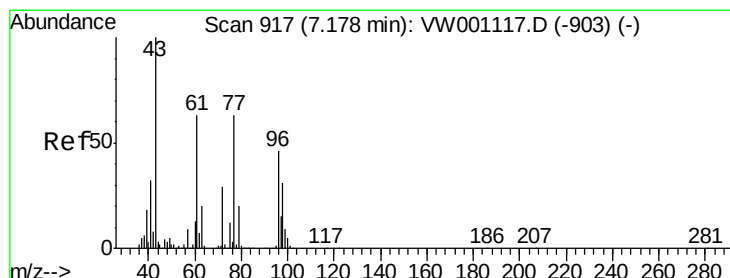
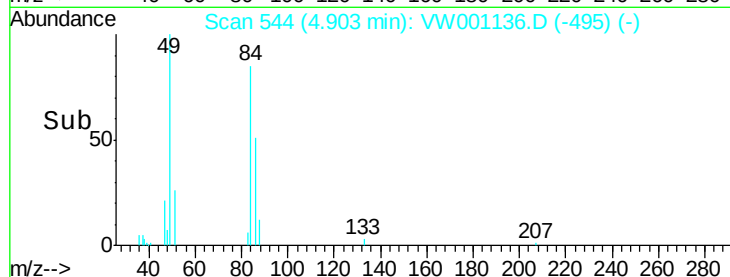
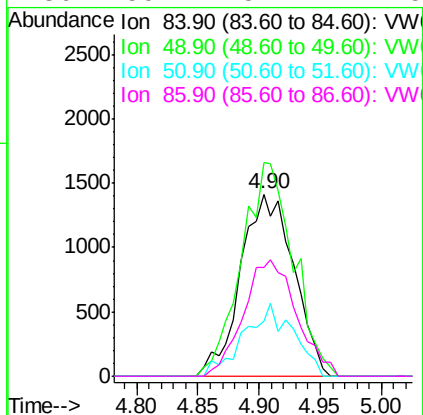
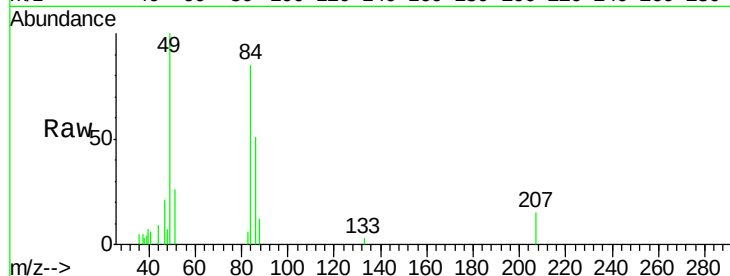




#20
Methylene Chloride
Concen: 1.56 ug/l
RT: 4.90 min Scan# 544
Delta R.T. 0.00 min
Lab File: VW001136.D
Acq: 29 Jan 2018 22:53

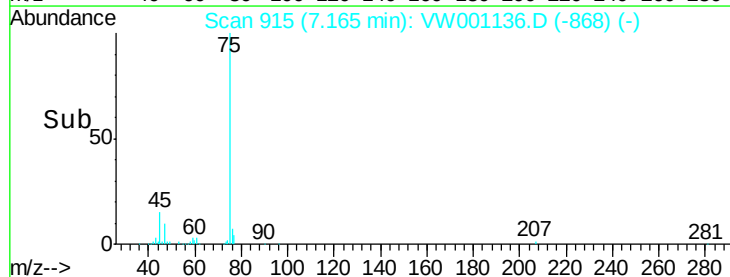
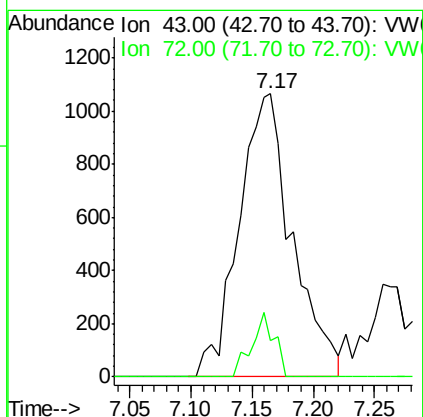
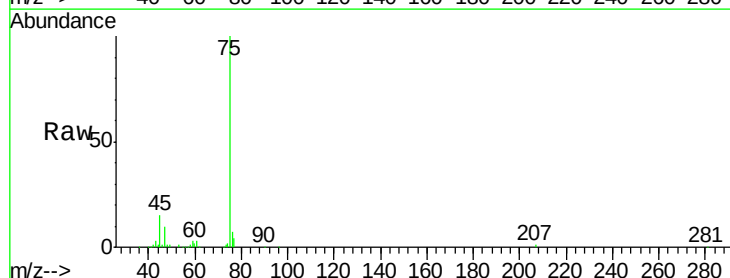
Instrument :
MSVOA_W
ClientSampleId :
GL-WF-01-VO1RE

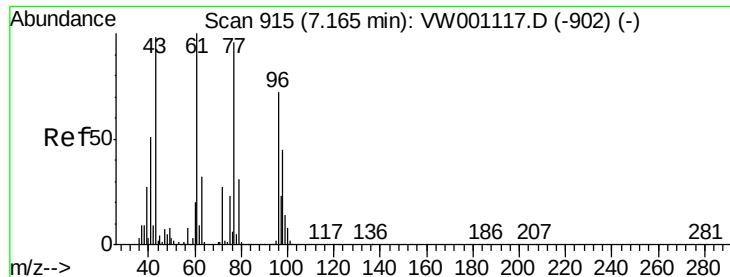
Tgt Ion:	84	Resp:	4259
Ion	Ratio	Lower	Upper
84	100		
49	117.1	89.2	133.8
51	30.3	26.7	40.1
86	59.7	51.7	77.5



#25
2-Butanone
Concen: 7.52 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW001136.D
Acq: 29 Jan 2018 22:53

Tgt Ion:	43	Resp:	3227
Ion	Ratio	Lower	Upper
43	100		
72	12.7	22.8	34.2#

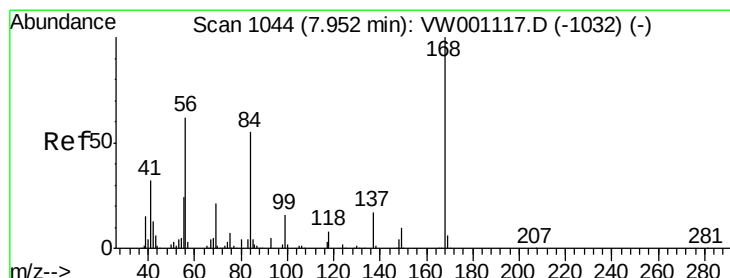
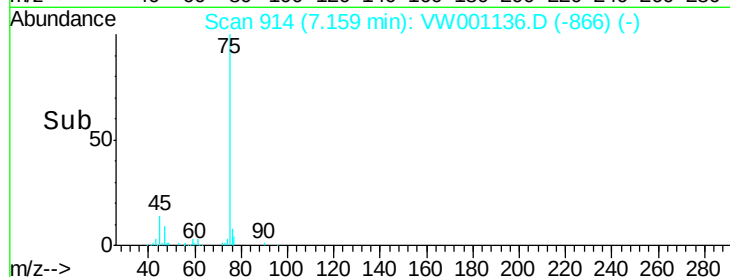
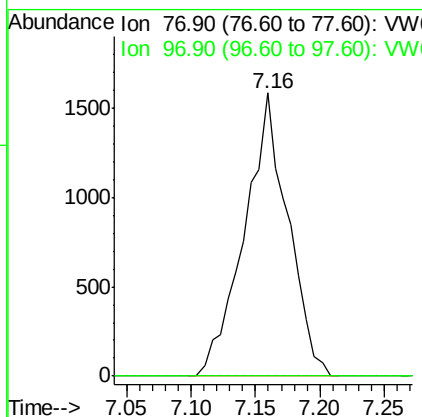
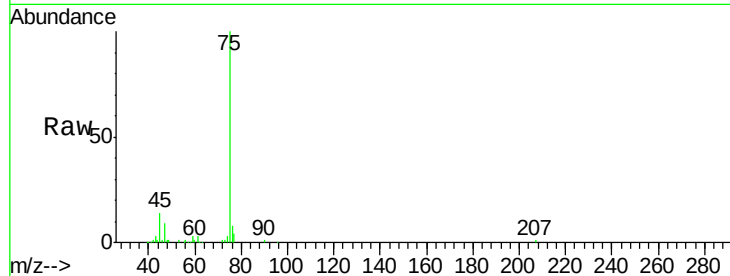




#26
 2,2-Dichloropropane
 Concen: 1.97 ug/l
 RT: 7.16 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VW001136.D
 Acq: 29 Jan 2018 22:53

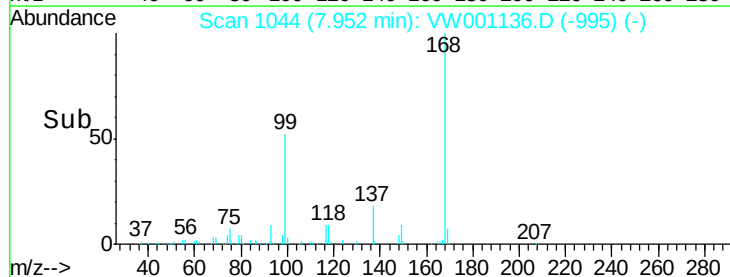
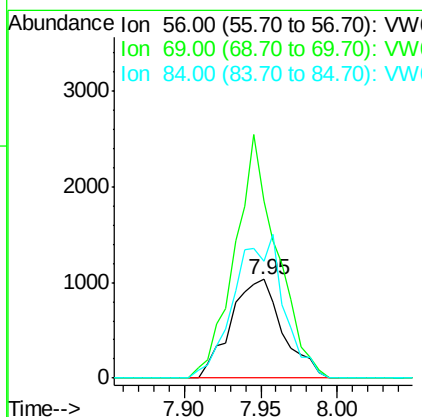
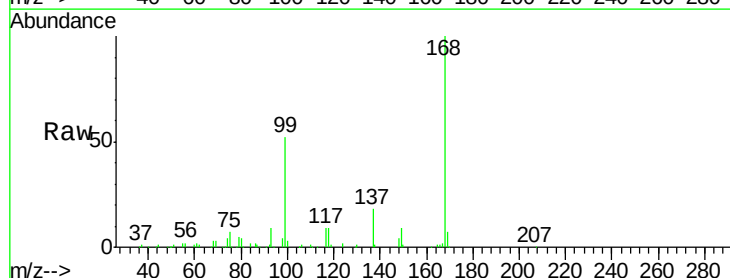
Instrument :
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 ClientSampleId :
 GL-WF-01-VO1RE

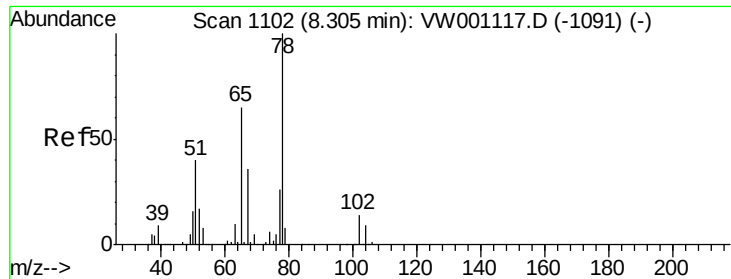
Tgt Ion: 77 Resp: 3709
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.6 34.7#



#31
 Cyclohexane
 Concen: 1.32 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VW001136.D
 Acq: 29 Jan 2018 22:53

Tgt Ion: 56 Resp: 2437
 Ion Ratio Lower Upper
 56 100
 69 178.9 27.4 41.0#
 84 118.5 71.1 106.7#

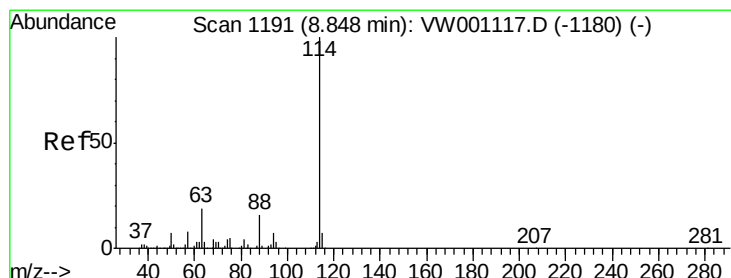
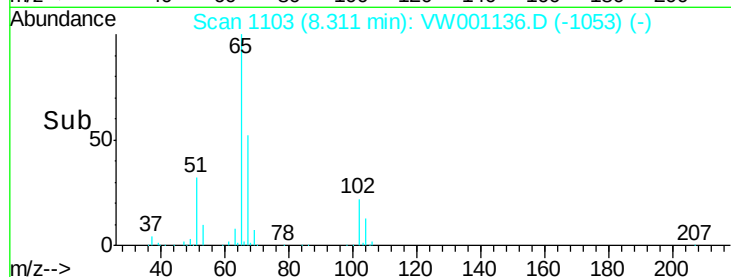
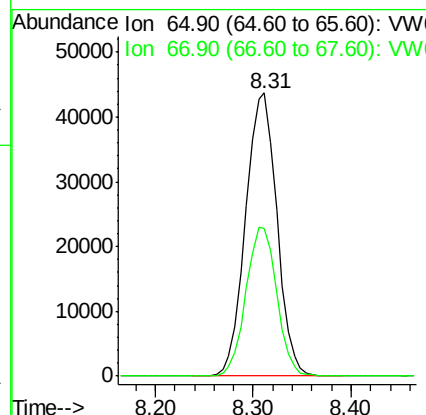
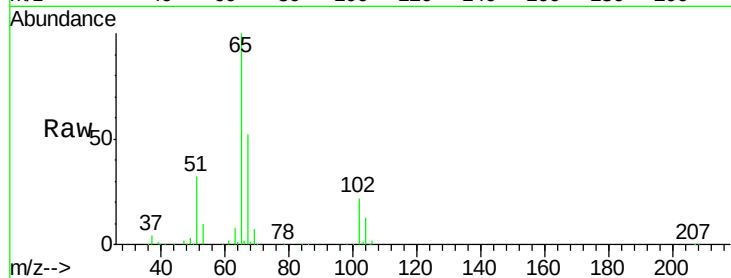




#33
 1,2-Dichloroethane-d4
 Concen: 78.08 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW001136.D
 Acq: 29 Jan 2018 22:53

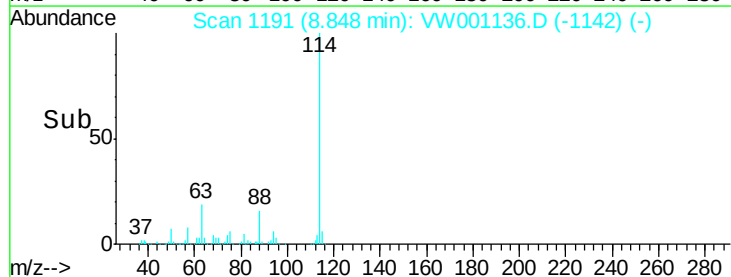
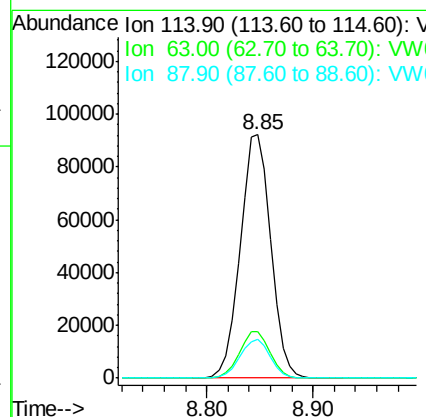
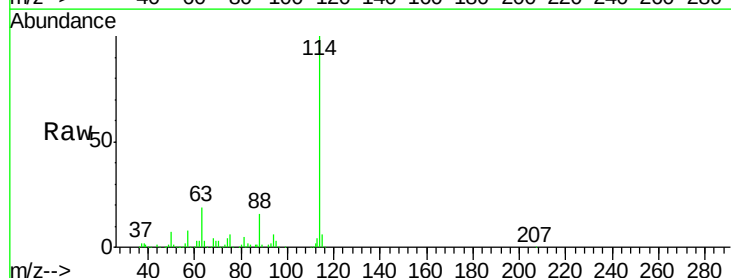
Instrument :
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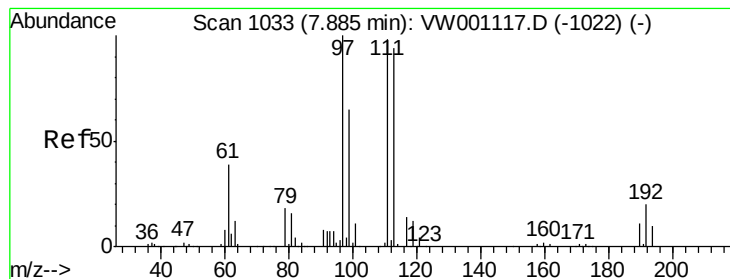
Tgt Ion: 65 Resp: 97039
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW001136.D
 Acq: 29 Jan 2018 22:53

Tgt Ion: 114 Resp: 186110
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.2
 88 15.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 54.89 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW001136.D

Acq: 29 Jan 2018 22:53

Instrument :

MSVOA_W

ClientSampleId :

GL-WF-01-VO1RE

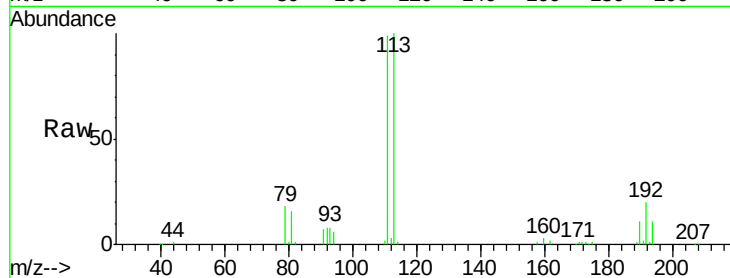
Tgt Ion:113 Resp: 65343

Ion Ratio Lower Upper

113 100

111 103.8 83.1 124.7

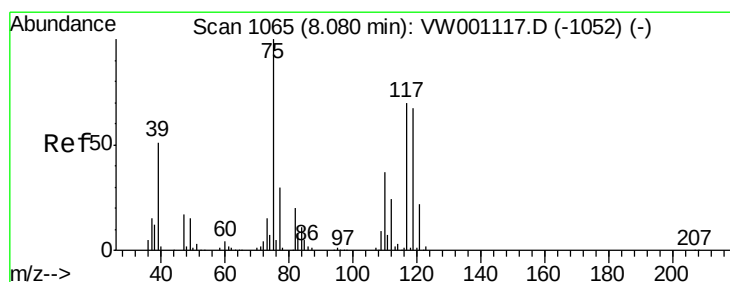
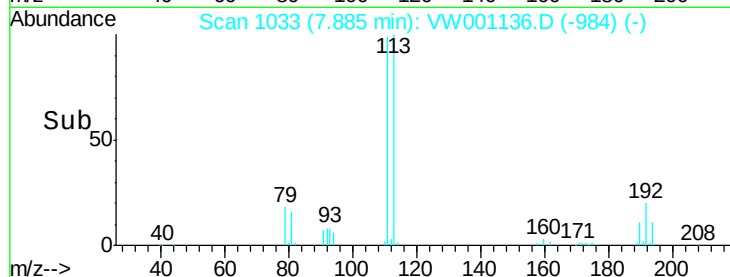
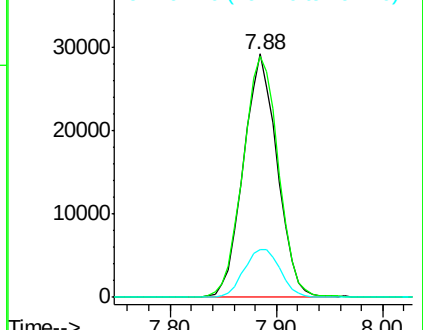
192 21.3 17.8 26.6



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: 5.58 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW001136.D

Acq: 29 Jan 2018 22:53

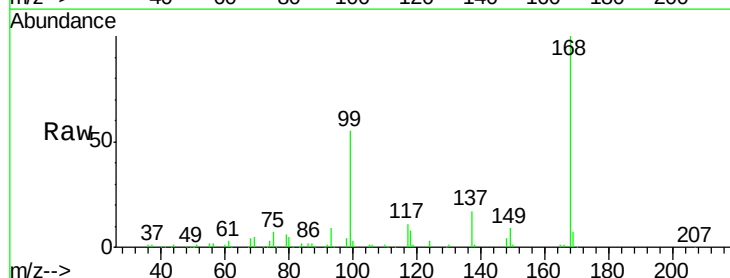
Tgt Ion: 75 Resp: 9376

Ion Ratio Lower Upper

75 100

110 10.3 18.7 56.1#

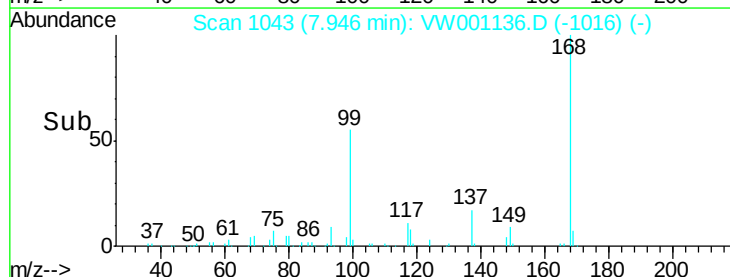
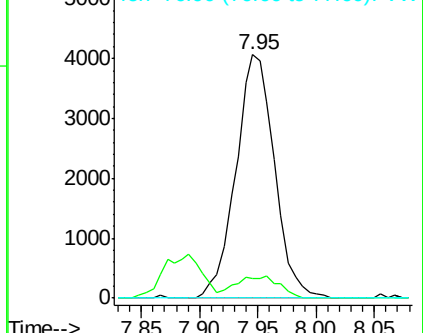
77 0.0 24.6 37.0#

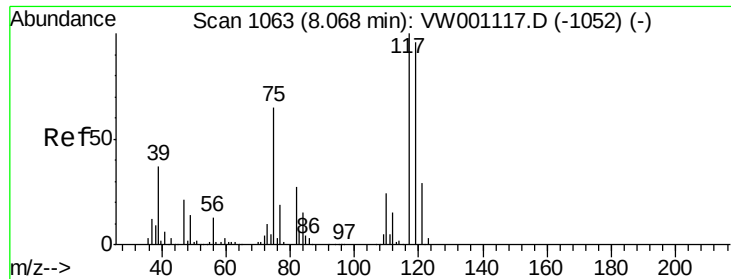


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.59 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW001136.D

Acq: 29 Jan 2018 22:53

Instrument :

MSVOA_W

ClientSampleId :

GL-WF-01-VO1RE

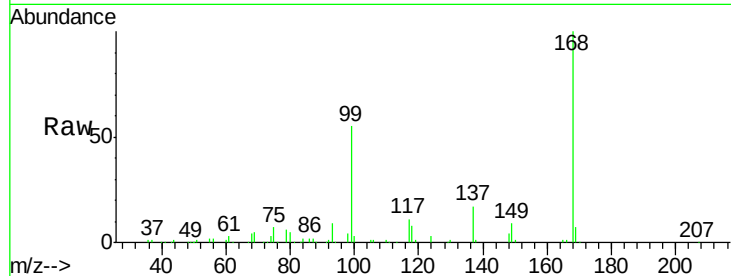
Tgt Ion:117 Resp: 12368

Ion Ratio Lower Upper

117 100

119 7.5 77.0 115.4#

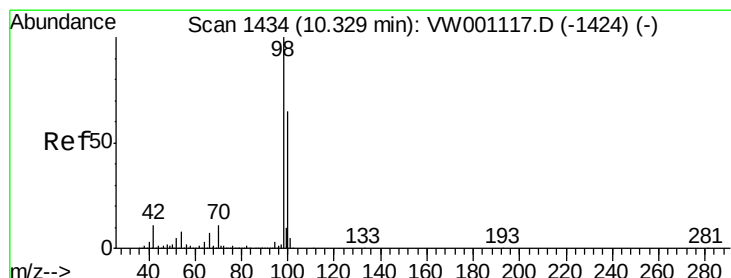
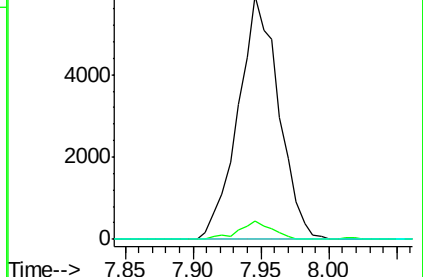
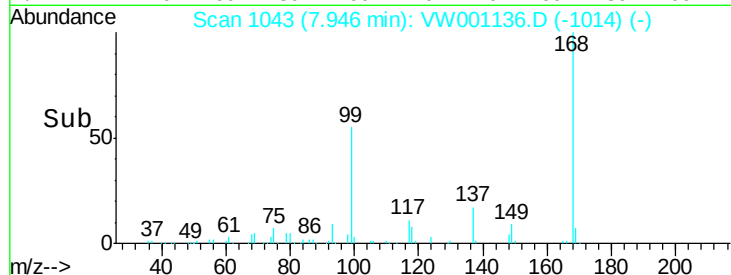
121 0.0 23.5 35.3#



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: 48.62 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW001136.D

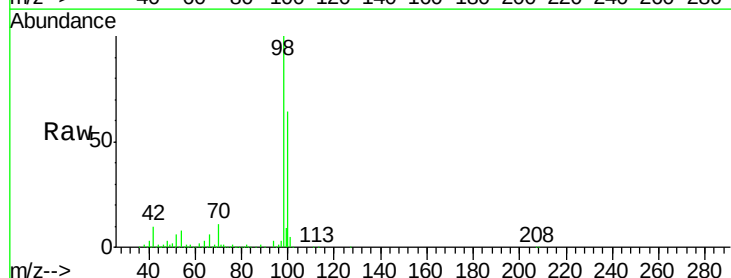
Acq: 29 Jan 2018 22:53

Tgt Ion: 98 Resp: 222755

Ion Ratio Lower Upper

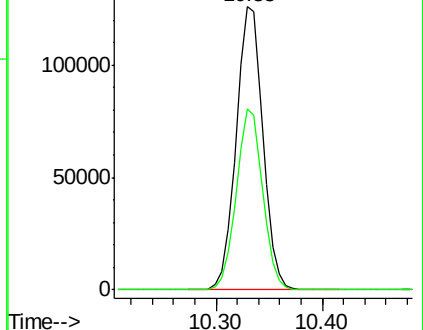
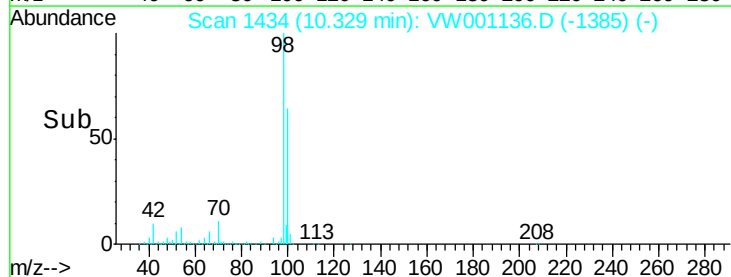
98 100

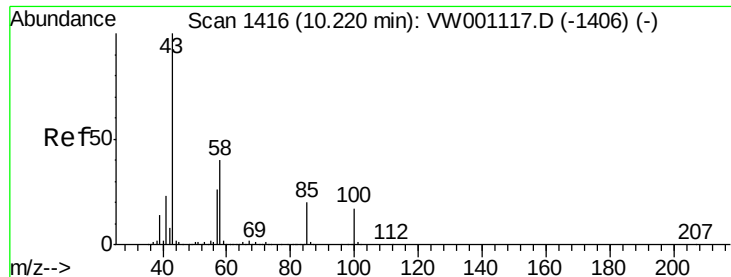
100 62.8 51.3 76.9



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: 1.17 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW001136.D

Acq: 29 Jan 2018 22:53

Instrument :

MSVOA_W

ClientSampleId :

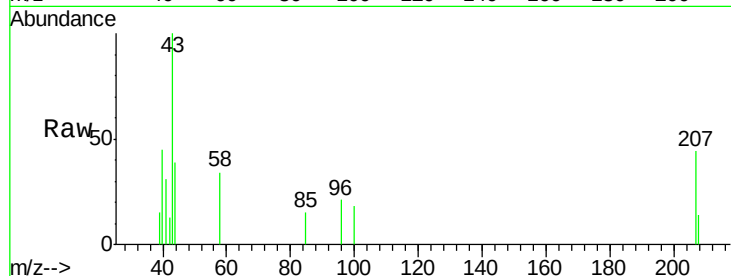
GL-WF-01-VO1RE

Tgt Ion: 43 Resp: 975

Ion Ratio Lower Upper

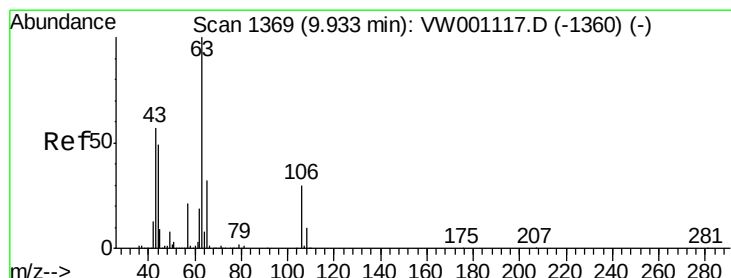
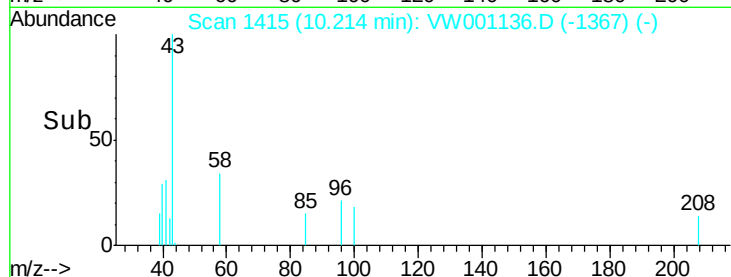
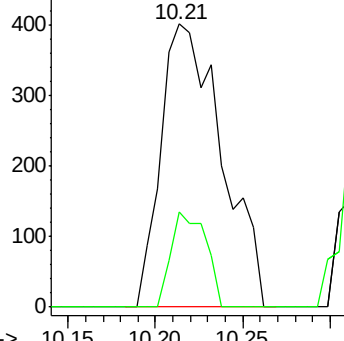
43 100

58 19.2 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#58

2-Chloroethyl Vinyl ether

Concen: 23.47 ug/l

RT: 9.95 min Scan# 1371

Delta R.T. 0.01 min

Lab File: VW001136.D

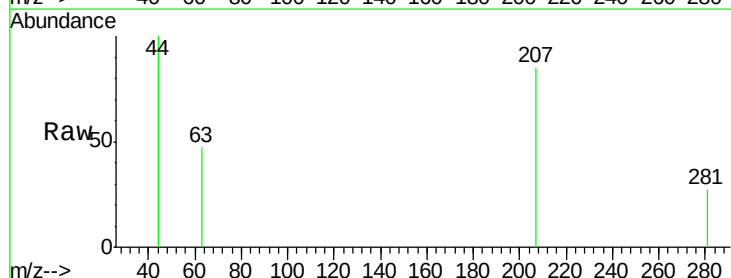
Acq: 29 Jan 2018 22:53

Tgt Ion: 63 Resp: 56

Ion Ratio Lower Upper

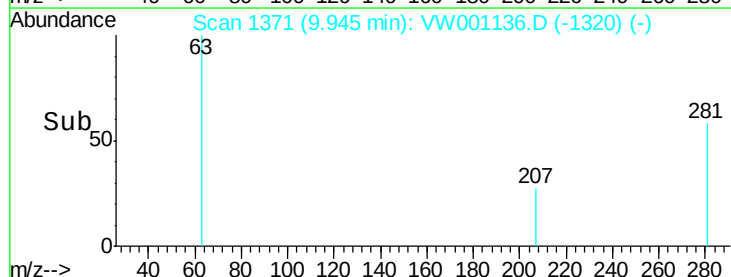
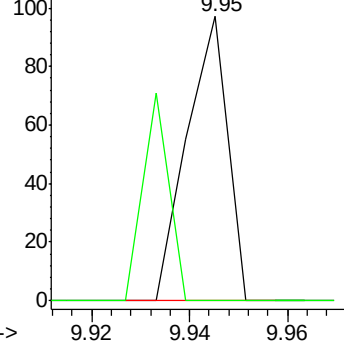
63 100

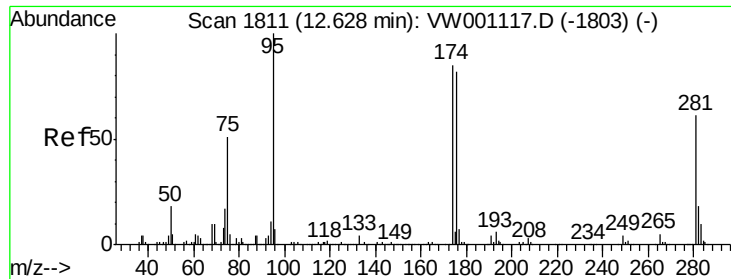
106 46.4 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 33.89 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW001136.D

Acq: 29 Jan 2018 22:53

Instrument :

MSVOA_W

ClientSampleId :

GL-WF-01-VO1RE

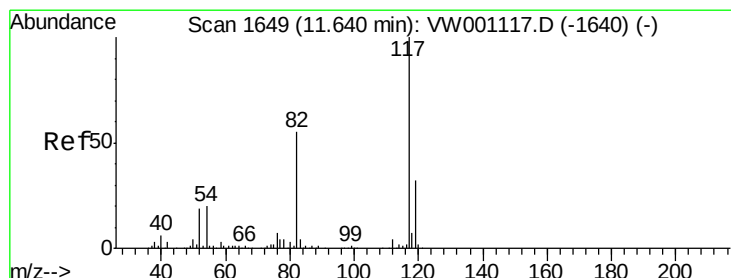
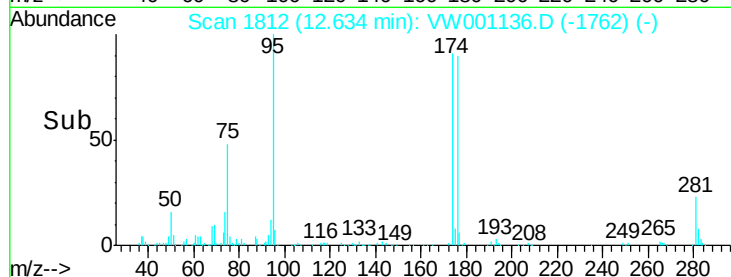
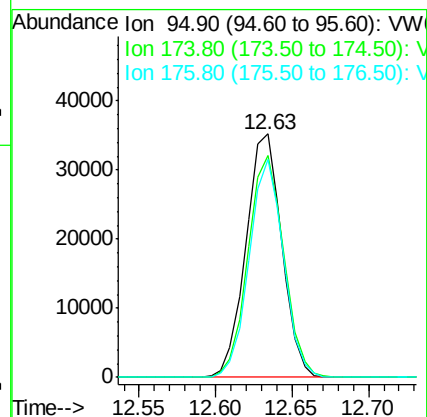
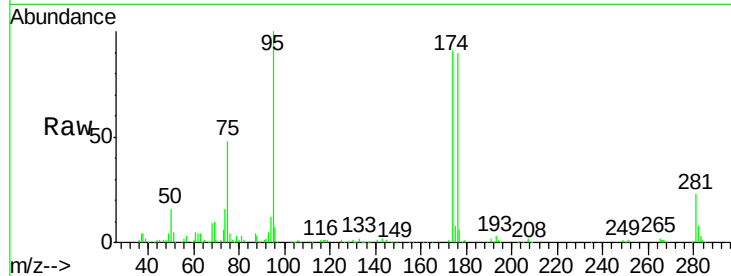
Tgt Ion: 95 Resp: 57225

Ion Ratio Lower Upper

95 100

174 91.4 0.0 179.6

176 85.8 0.0 174.4



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW001136.D

Acq: 29 Jan 2018 22:53

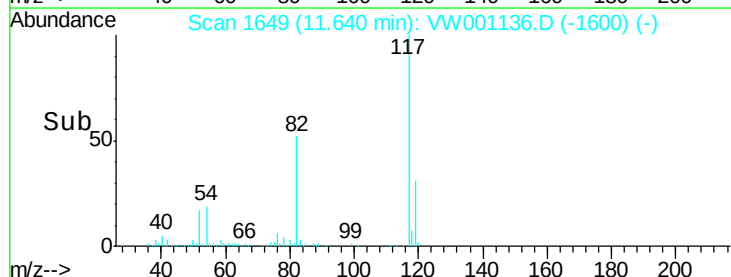
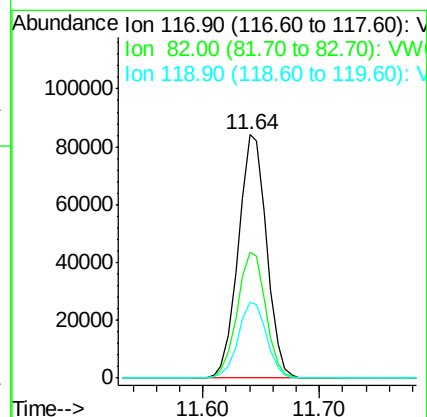
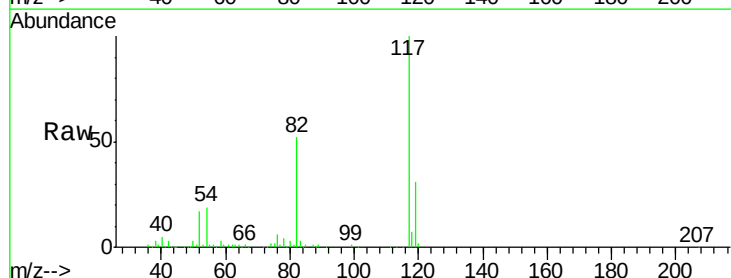
Tgt Ion: 117 Resp: 142403

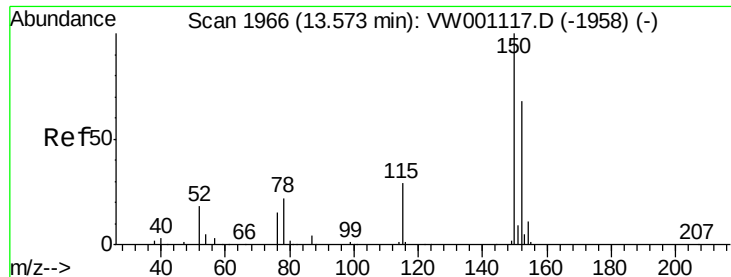
Ion Ratio Lower Upper

117 100

82 51.6 43.8 65.8

119 31.1 25.8 38.8

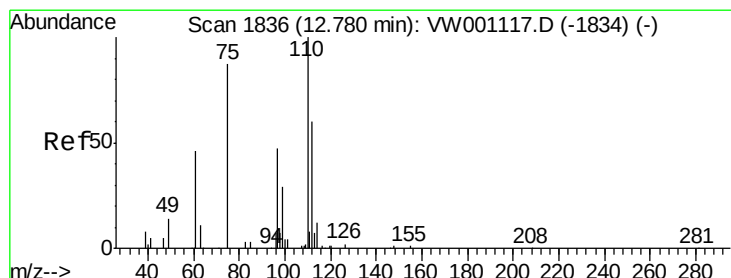
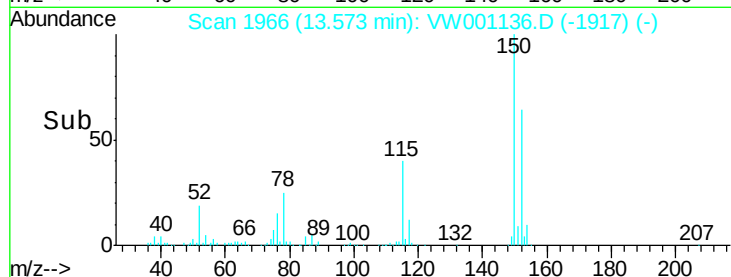
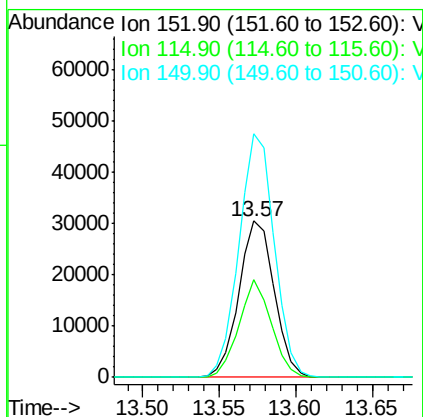
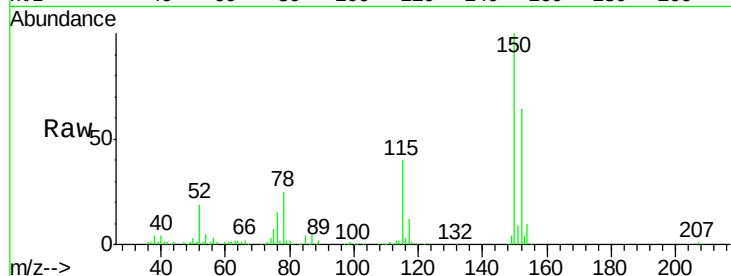




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.57 min Scan# 1966
 Delta R.T. -0.00 min
 Lab File: VW001136.D
 Acq: 29 Jan 2018 22:53

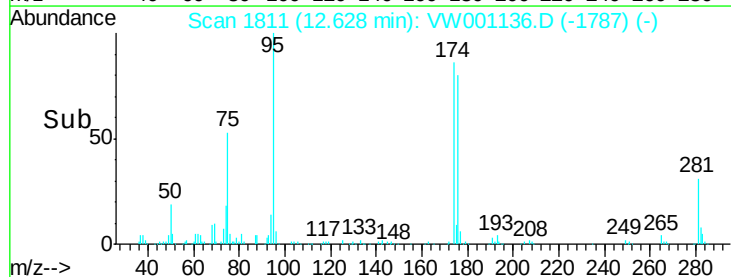
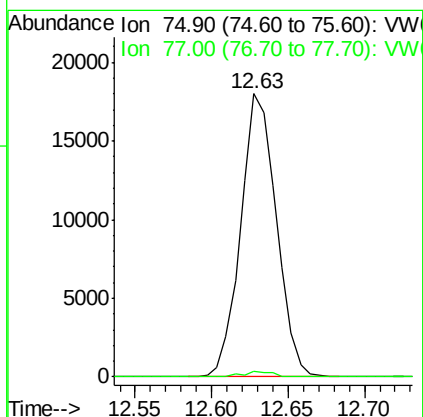
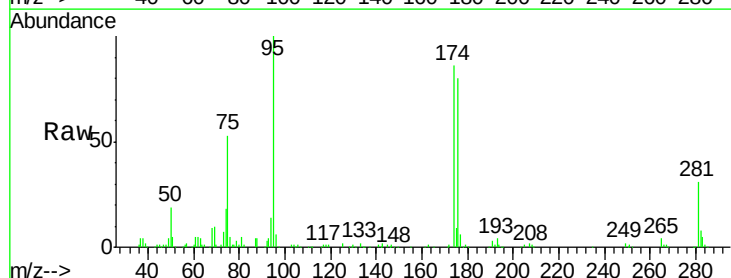
Instrument :
 MSVOA_W
 ClientSampleId :
 GL-WF-01-VO1RE

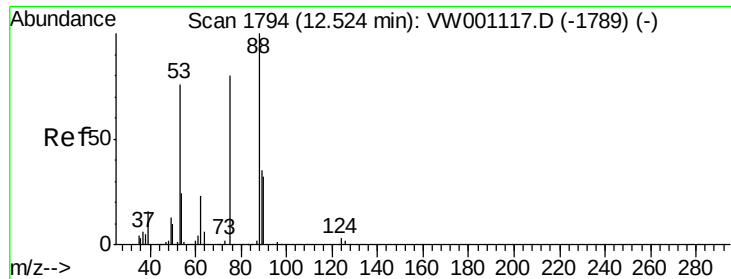
Tgt Ion:152 Resp: 48968
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.4 85.3
 150 155.1 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 58.74 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW001136.D
 Acq: 29 Jan 2018 22:53

Tgt Ion: 75 Resp: 29152
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 154.45 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW001136.D

Acq: 29 Jan 2018 22:53

Instrument :

MSVOA_W

ClientSampleId :

GL-WF-01-VO1RE

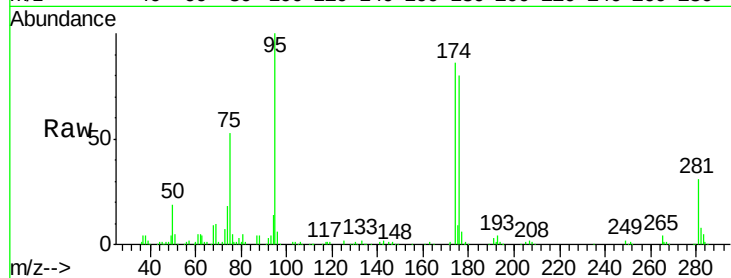
Tgt Ion: 75 Resp: 29152

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

89 0.2 38.2 57.4#



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

