

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081318\
 Data File : VW004609.D
 Acq On : 10 Aug 2018 20:24
 Operator : SY/AP
 Sample : J4430-12
 Misc : 8.56G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 G.L-WC-01

Quant Time: Aug 11 01:02:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	672747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1146963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	924336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	275383	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	362544	48.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.36%	
35) Dibromofluoromethane	7.88	113	337216	44.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.18%	
50) Toluene-d8	10.33	98	1092013	37.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.90%	
62) 4-Bromofluorobenzene	12.62	95	275306	26.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	52.42%	

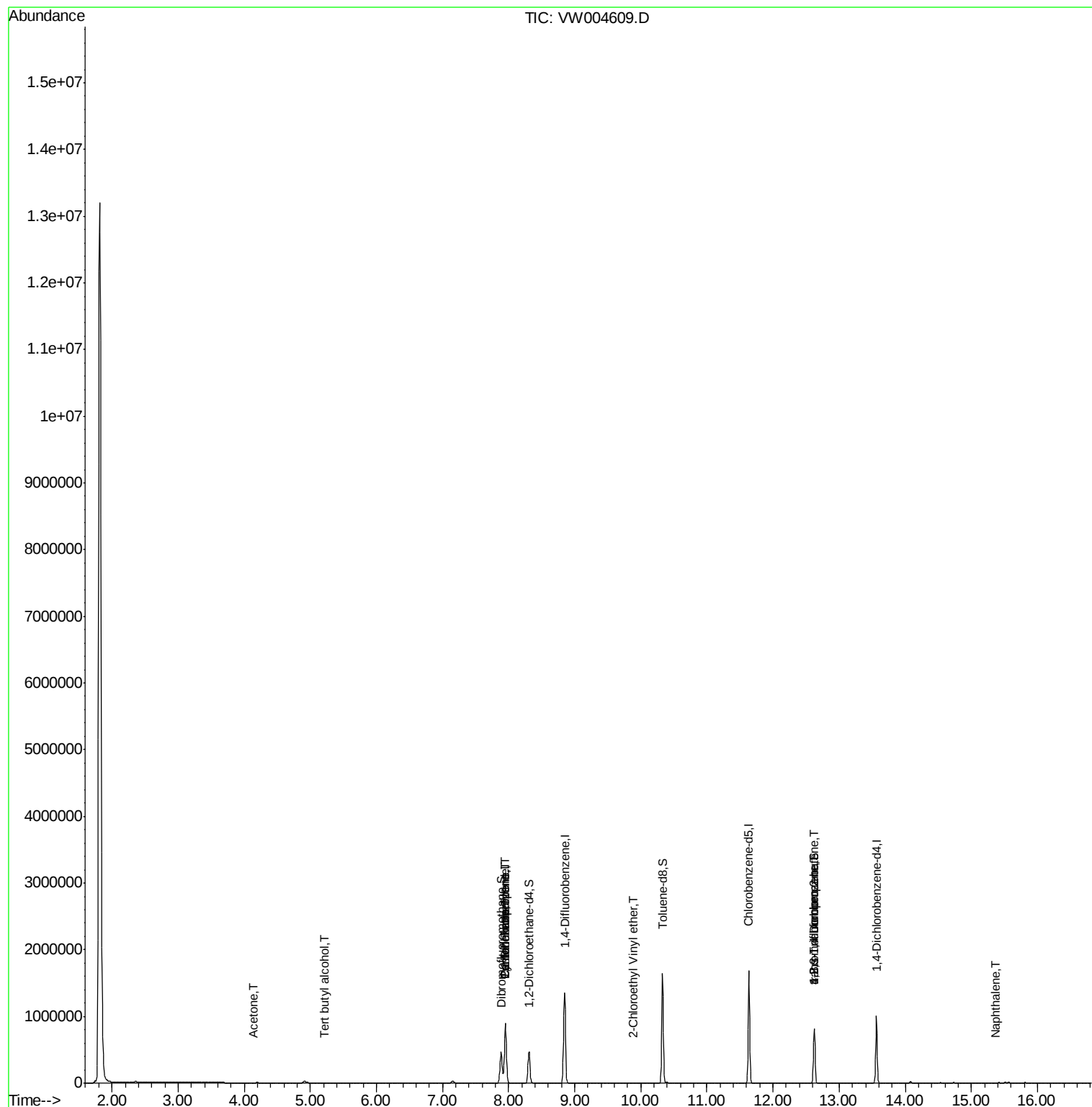
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	2525	5.791	ug/l #	79
16) Acetone	4.14	43	2888	1.553	ug/l #	71
20) Methylene Chloride	4.91	84	21040	Below Cal		98
31) Cyclohexane	7.95	56	15264	1.094	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	50645	4.101	ug/l #	49
38) Carbon Tetrachloride	7.95	117	63746	5.736	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.89	63	64	8.959	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	133960	47.010	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	133960	112.536	ug/l #	12
95) Naphthalene	15.37	128	1254	3.011	ug/l #	95

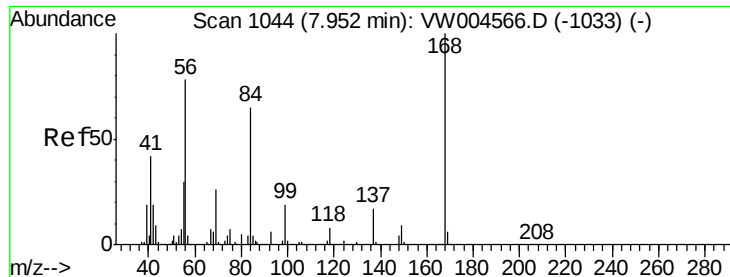
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004609.D

Acq: 10 Aug 2018 20:24

Instrument :

MSVOA_W

ClientSampleId :

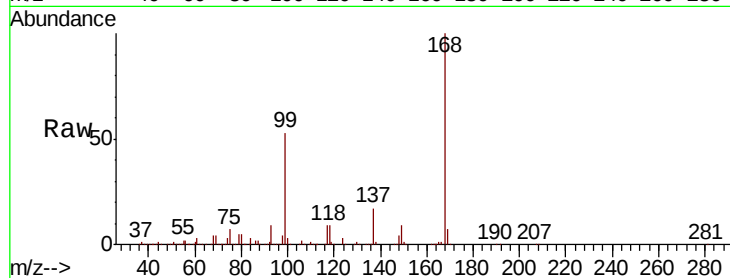
G.L-WC-01

Tgt Ion:168 Resp: 672747

Ion Ratio Lower Upper

168 100

99 52.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

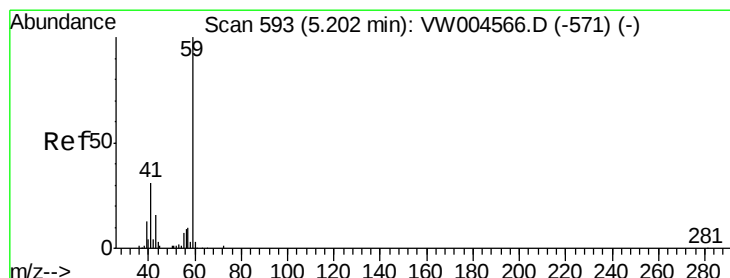
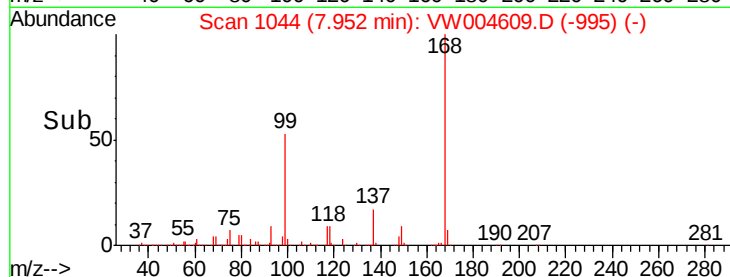
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 5.791 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VW004609.D

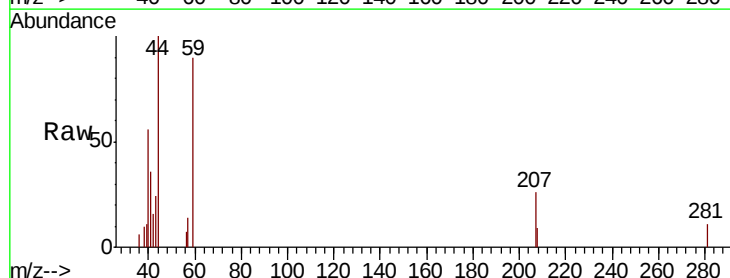
Acq: 10 Aug 2018 20:24

Tgt Ion: 59 Resp: 2525

Ion Ratio Lower Upper

59 100

57 3.5 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

1000

800

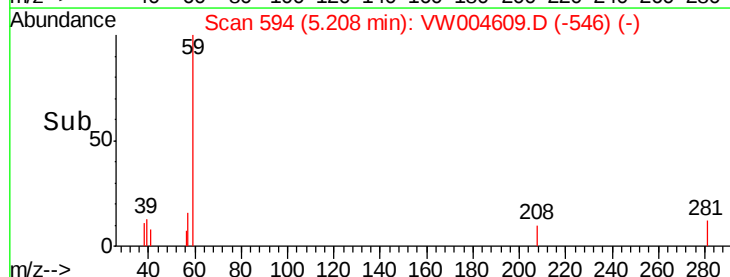
600

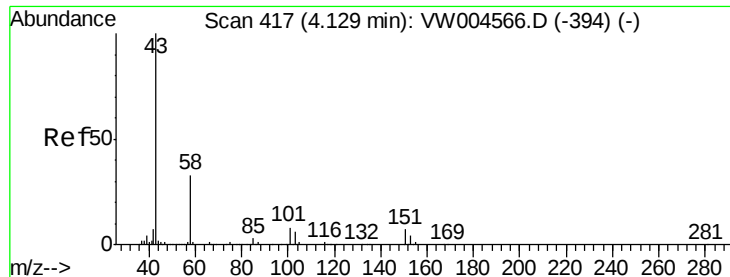
400

200

0

Time--> 5.05 5.10 5.15 5.20 5.25





#16

Acetone

Concen: 1.553 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW004609.D

Acq: 10 Aug 2018 20:24

Instrument :

MSVOA_W

ClientSampleId :

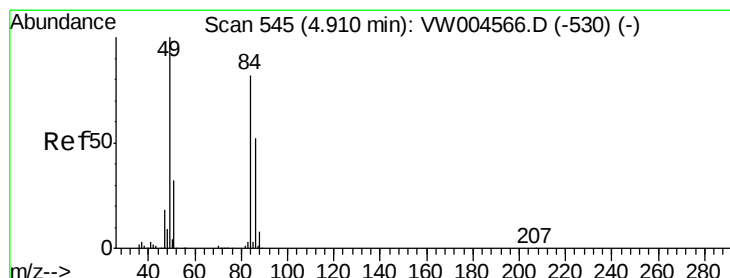
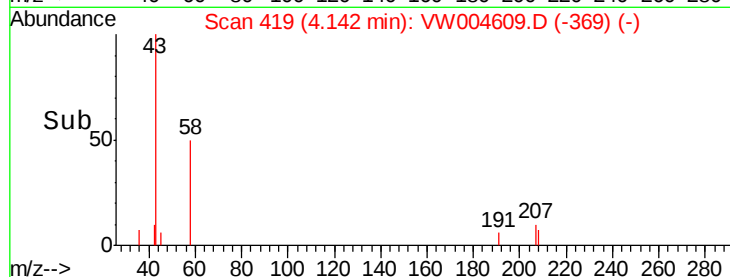
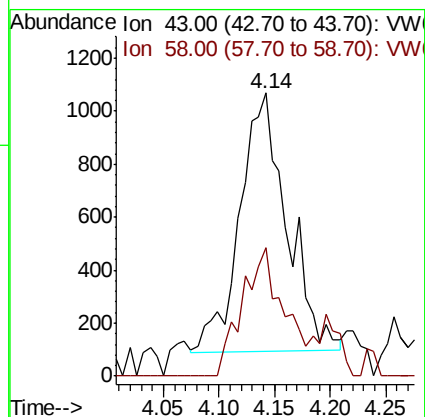
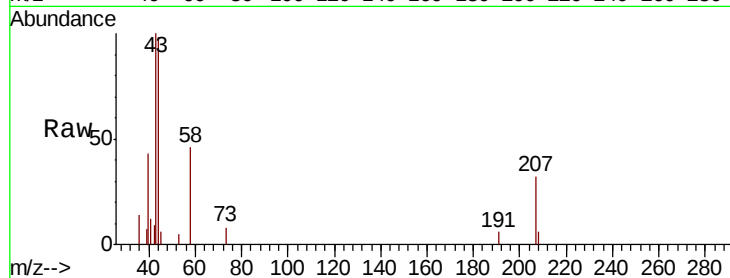
G.L-WC-01

Tgt Ion: 43 Resp: 2888

Ion Ratio Lower Upper

43 100

58 50.2 26.8 40.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW004609.D

Acq: 10 Aug 2018 20:24

Tgt Ion: 84 Resp: 21040

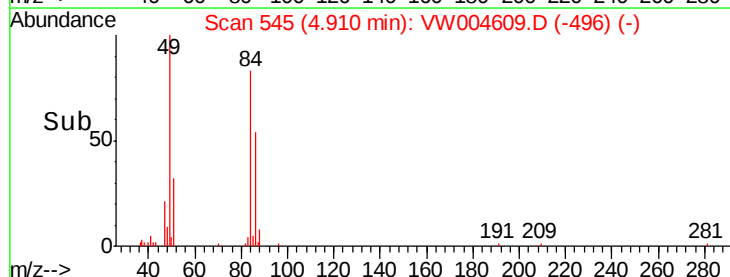
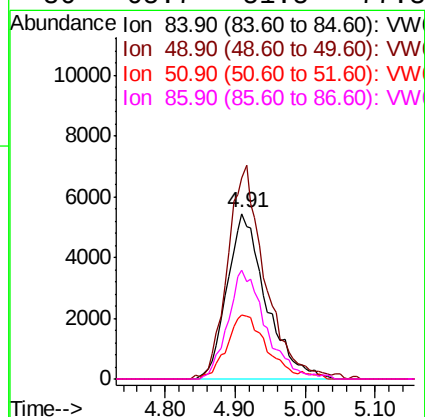
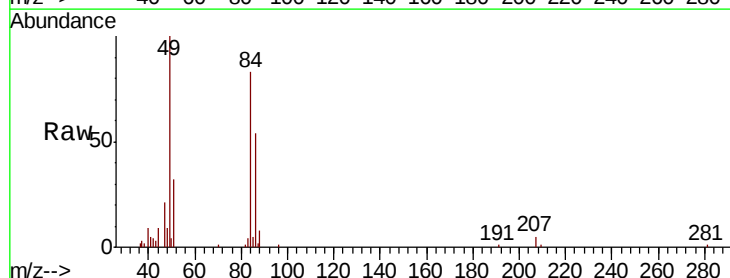
Ion Ratio Lower Upper

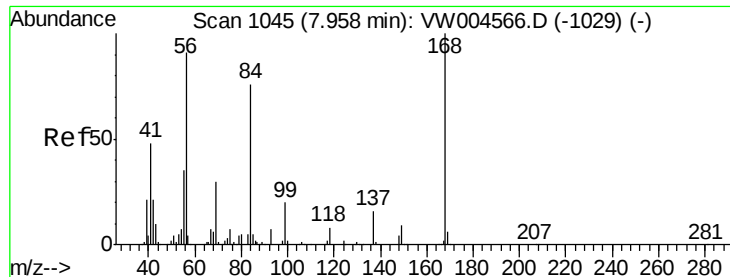
84 100

49 121.2 99.6 149.4

51 38.8 31.0 46.4

86 65.7 51.5 77.3

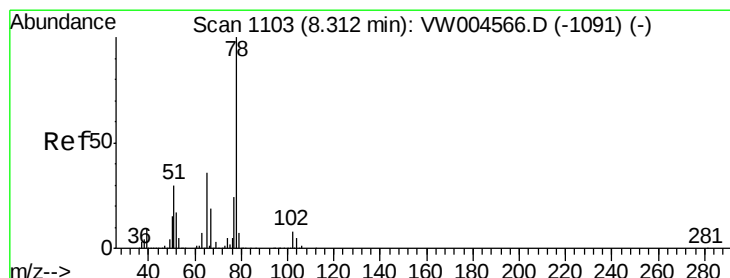
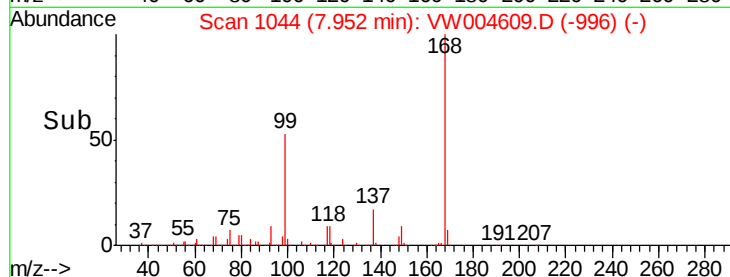
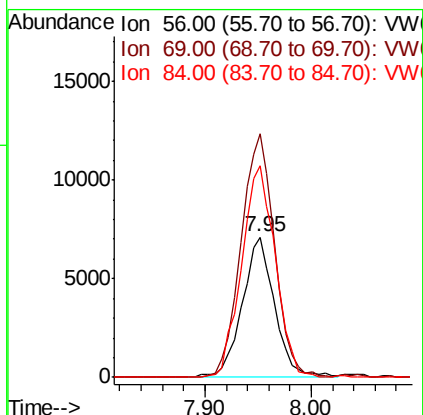
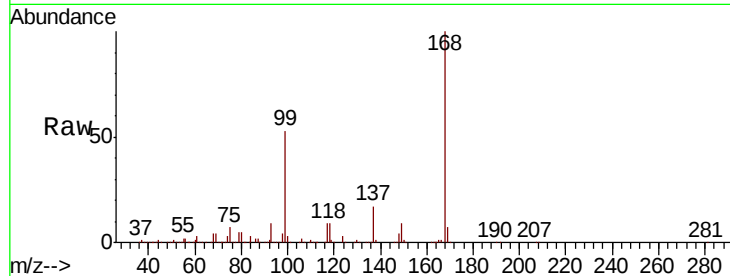




#31
Cyclohexane
Concen: 1.094 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004609.D
Acq: 10 Aug 2018 20:24

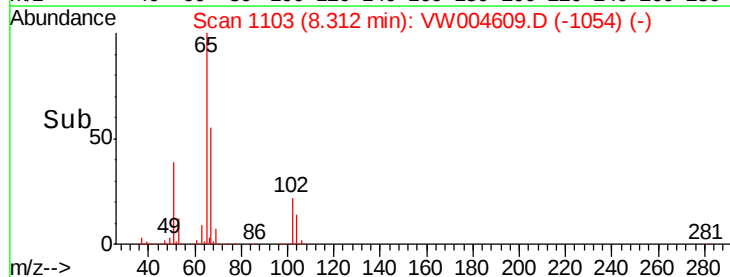
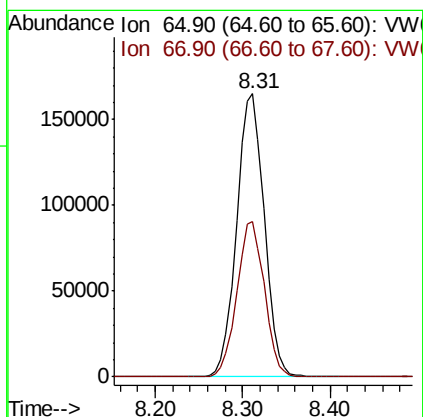
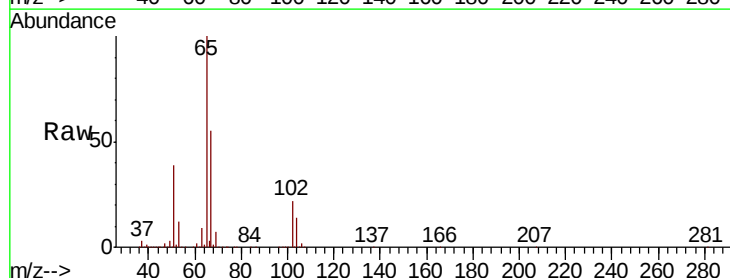
Instrument :
MSVOA_W
ClientSampled :
G.L-WC-01

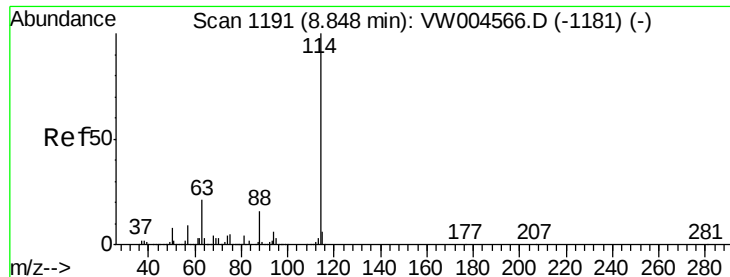
Tgt Ion: 56 Resp: 15264
Ion Ratio Lower Upper
56 100
69 173.3 26.4 39.6#
84 150.4 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 48.683 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW004609.D
Acq: 10 Aug 2018 20:24

Tgt Ion: 65 Resp: 362544
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.0

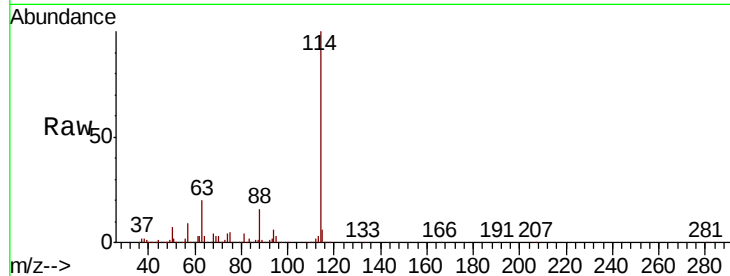




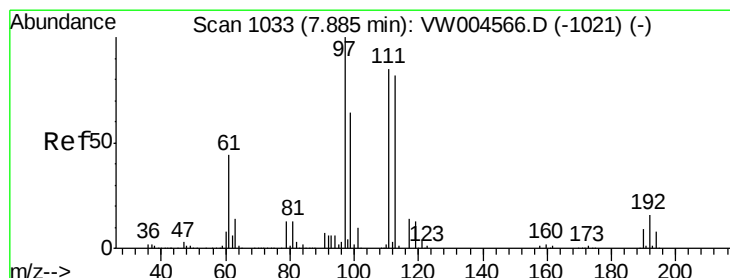
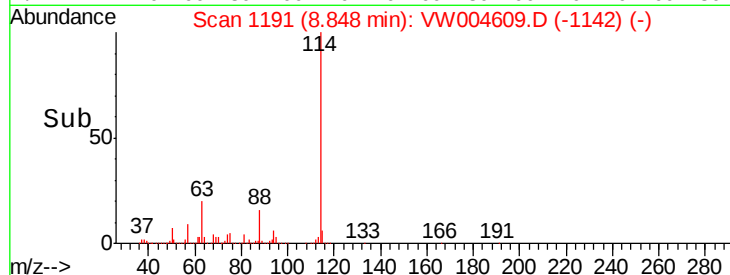
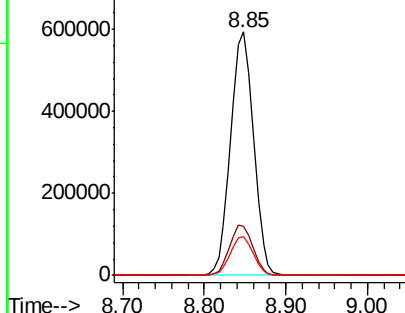
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004609.D
 Acq: 10 Aug 2018 20:24

Instrument :
 MSVOA_W
 ClientSampleId :
 G.L-WC-01

Tgt Ion:114 Resp: 1146963
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.4
 88 16.1 0.0 31.2

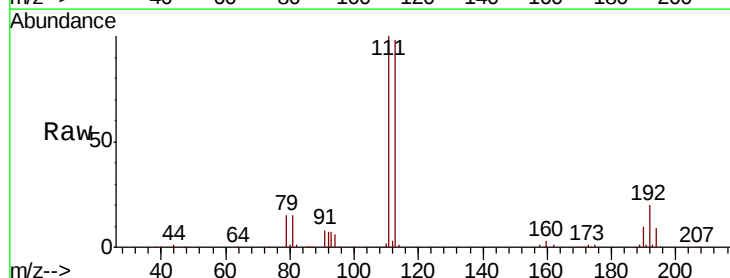


Abundance Ion 113.90 (113.60 to 114.60): V
 800000 Ion 63.00 (62.70 to 63.70): VW
 600000 Ion 87.90 (87.60 to 88.60): VW
 400000
 200000
 0

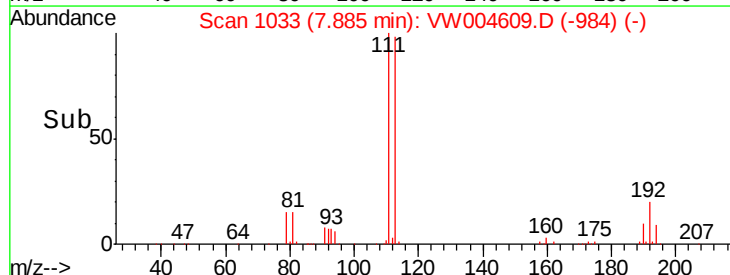
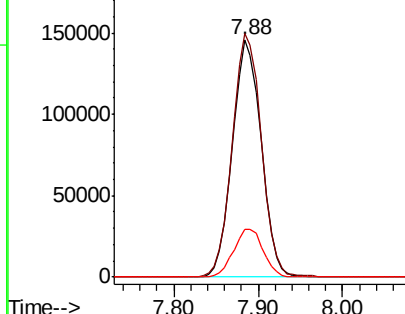


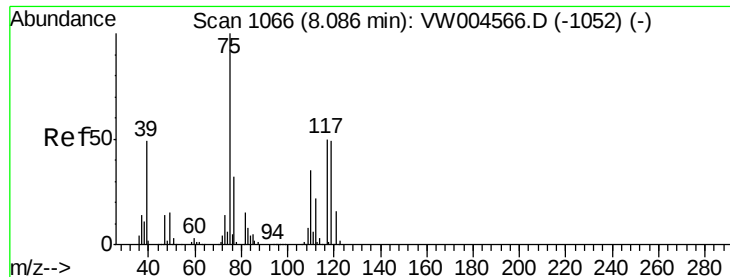
#35
 Dibromofluoromethane
 Concen: 44.094 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004609.D
 Acq: 10 Aug 2018 20:24

Tgt Ion:113 Resp: 337216
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.9 124.3
 192 20.7 15.8 23.6



Abundance Ion 112.80 (112.50 to 113.50): V
 200000 Ion 110.80 (110.50 to 111.50): V
 150000 Ion 191.70 (191.40 to 192.40): V
 100000
 50000
 0





#36

1,1-Dichloropropene

Concen: 4.101 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004609.D

Acq: 10 Aug 2018 20:24

Instrument :

MSVOA_W

ClientSampleId :

G.L-WC-01

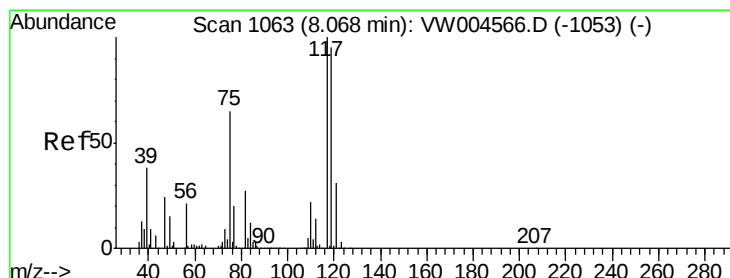
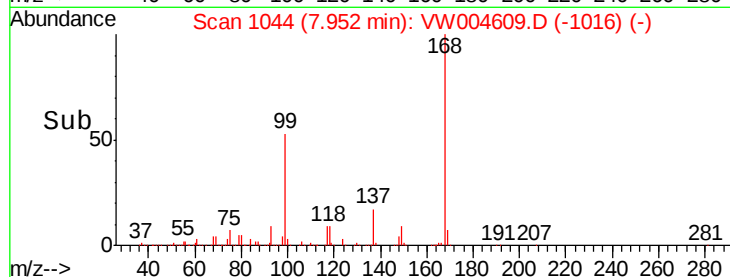
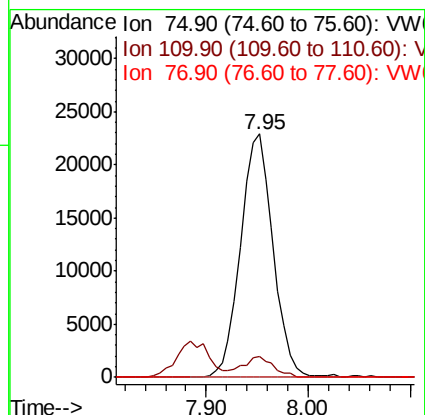
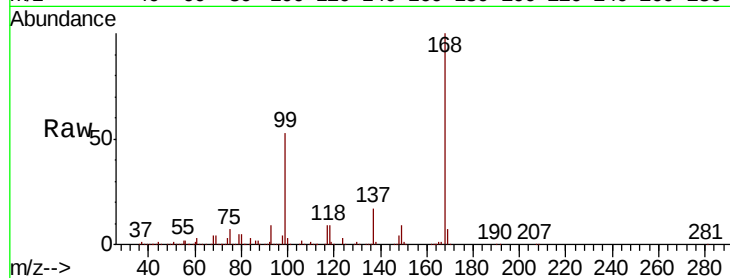
Tgt Ion: 75 Resp: 50645

Ion Ratio Lower Upper

75 100

110 8.0 17.4 52.2#

77 0.1 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.736 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004609.D

Acq: 10 Aug 2018 20:24

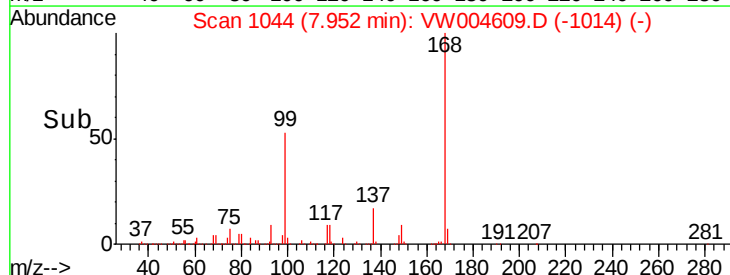
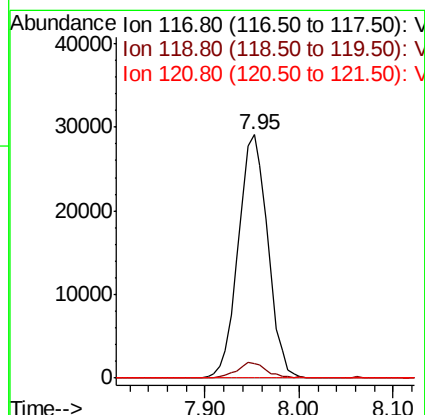
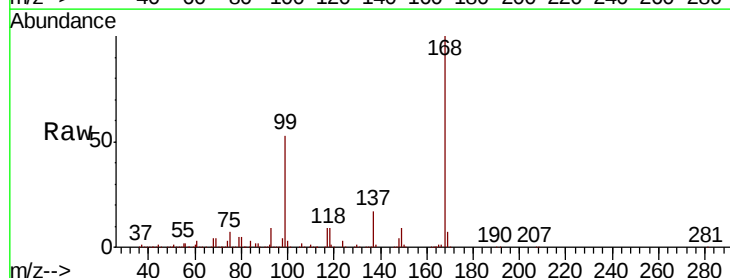
Tgt Ion: 117 Resp: 63746

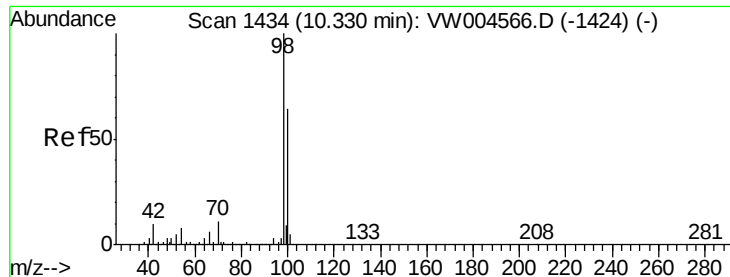
Ion Ratio Lower Upper

117 100

119 6.2 76.1 114.1#

121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 37.455 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004609.D

Acq: 10 Aug 2018 20:24

Instrument :

MSVOA_W

ClientSampled :

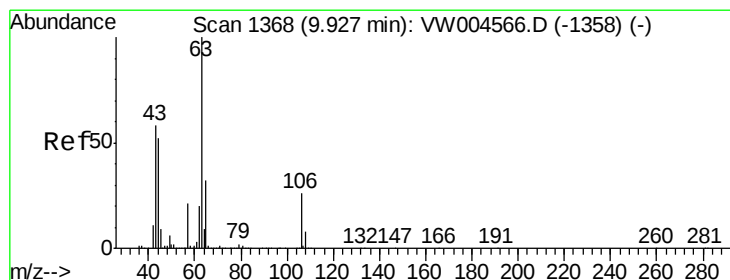
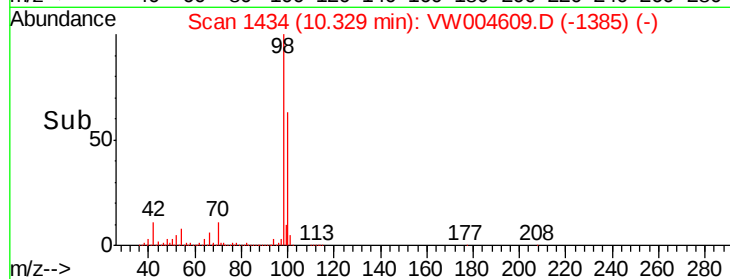
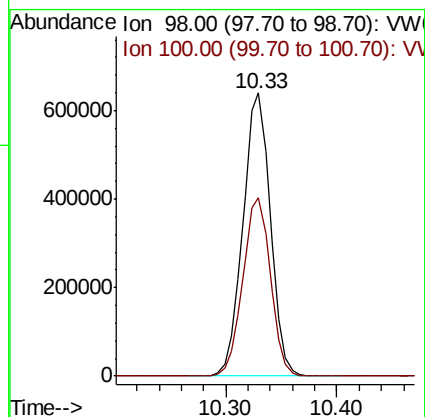
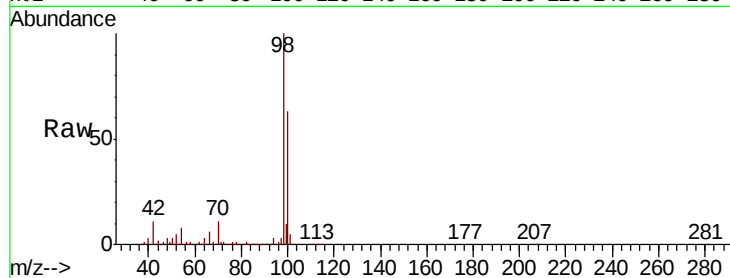
G.L-WC-01

Tgt Ion: 98 Resp: 1092013

Ion Ratio Lower Upper

98 100

100 63.6 51.4 77.2



#58

2-Chloroethyl Vinyl ether

Concen: 8.959 ug/l

RT: 9.89 min Scan# 1362

Delta R.T. -0.04 min

Lab File: VW004609.D

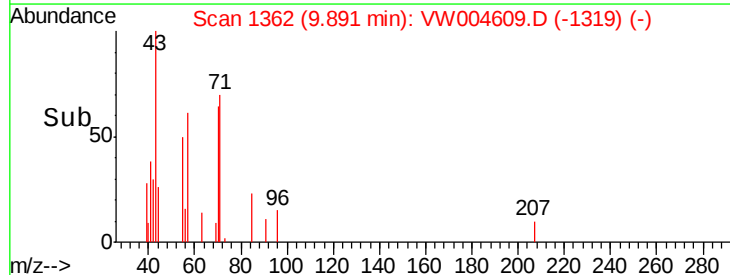
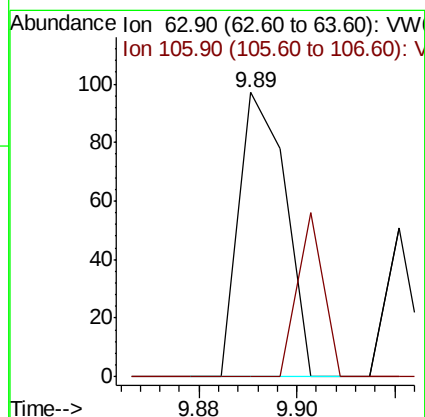
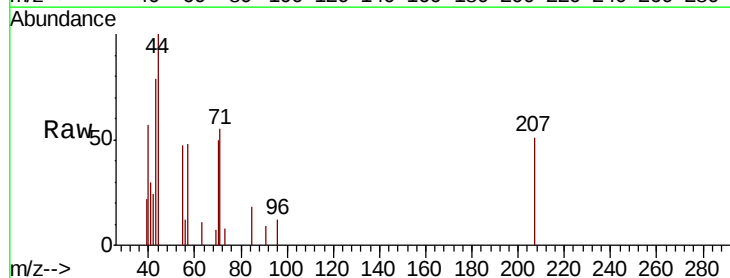
Acq: 10 Aug 2018 20:24

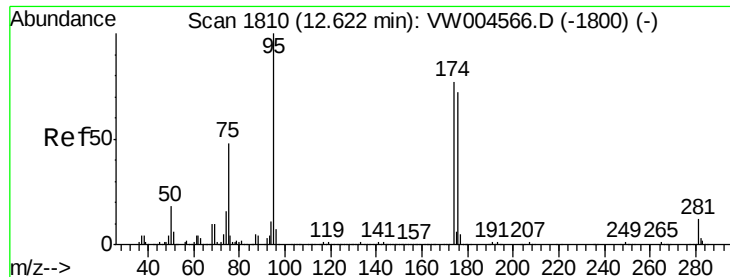
Tgt Ion: 63 Resp: 64

Ion Ratio Lower Upper

63 100

106 31.3 21.3 31.9

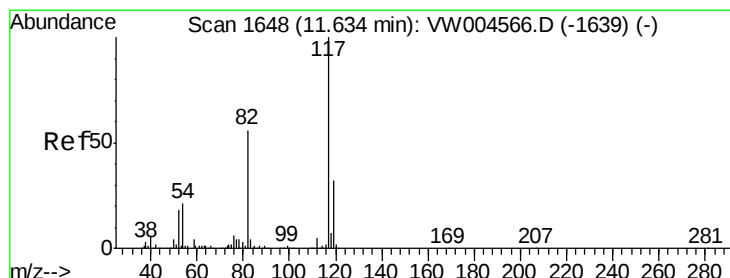
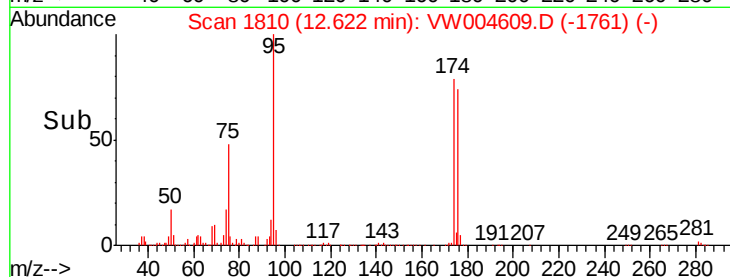
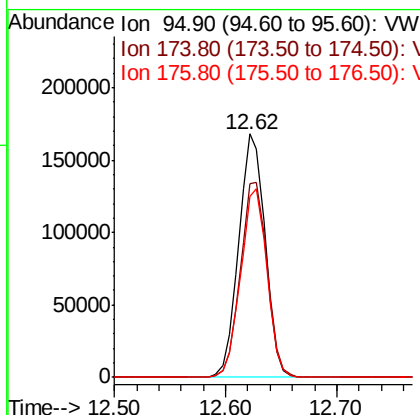
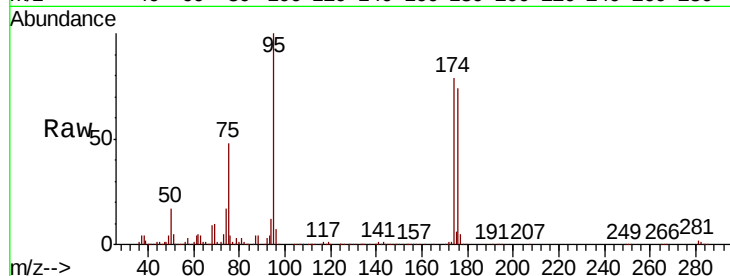




#62
4-Bromofluorobenzene
Concen: 26.214 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004609.D
Acq: 10 Aug 2018 20:24

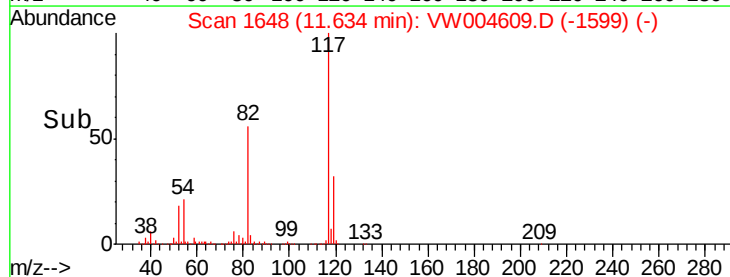
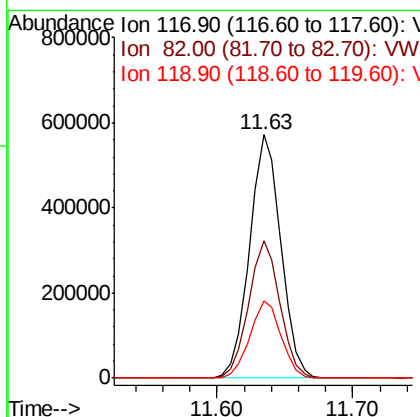
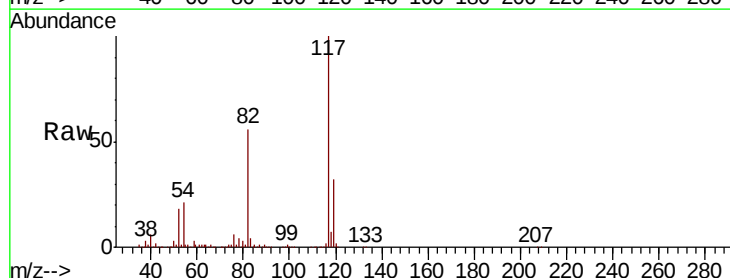
Instrument :
MSVOA_W
ClientSampled :
G.L-WC-01

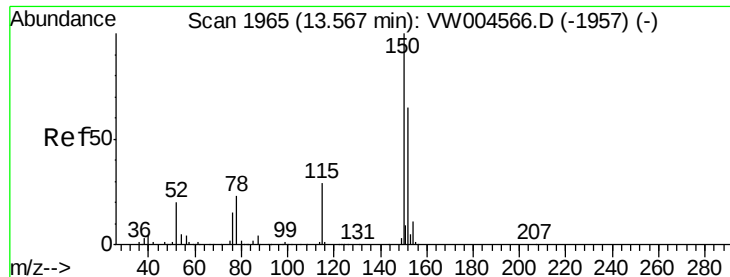
Tgt Ion: 95 Resp: 275306
Ion Ratio Lower Upper
95 100
174 81.5 0.0 160.4
176 77.5 0.0 153.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004609.D
Acq: 10 Aug 2018 20:24

Tgt Ion: 117 Resp: 924336
Ion Ratio Lower Upper
117 100
82 56.2 45.3 67.9
119 31.5 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004609.D

Acq: 10 Aug 2018 20:24

Instrument :

MSVOA_W

ClientSampleId :

G.L-WC-01

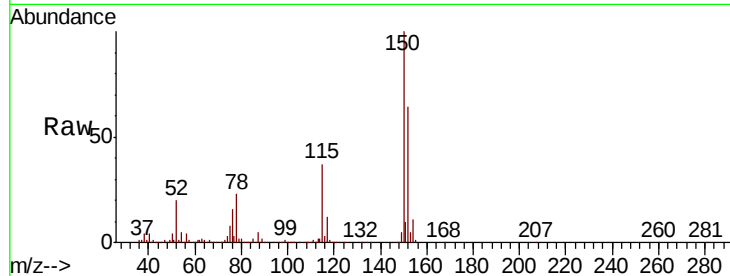
Tgt Ion: 152 Resp: 275383

Ion Ratio Lower Upper

152 100

115 58.5 29.1 87.3

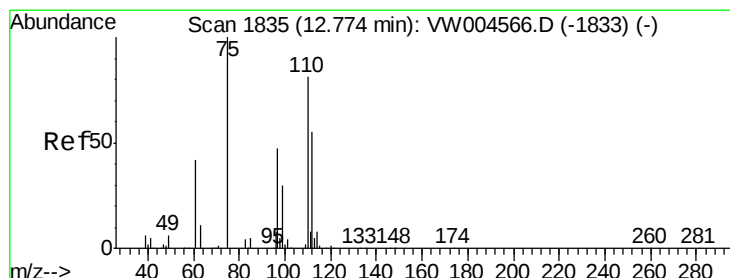
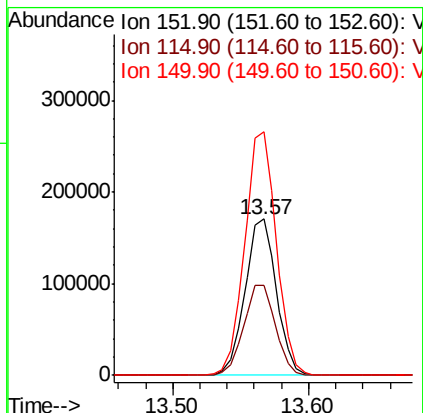
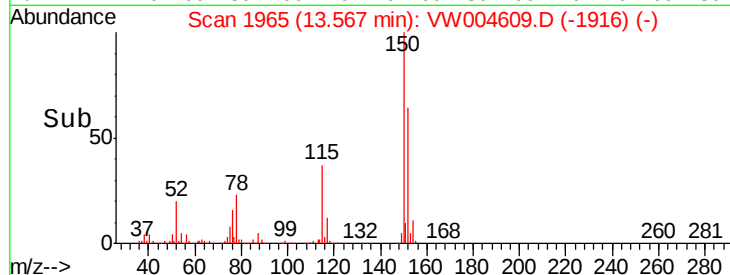
150 156.9 0.0 349.6



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: 47.010 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004609.D

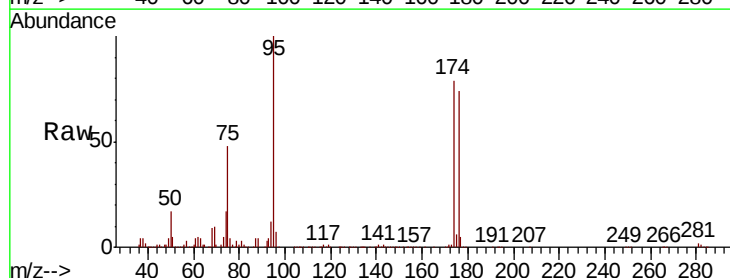
Acq: 10 Aug 2018 20:24

Tgt Ion: 75 Resp: 133960

Ion Ratio Lower Upper

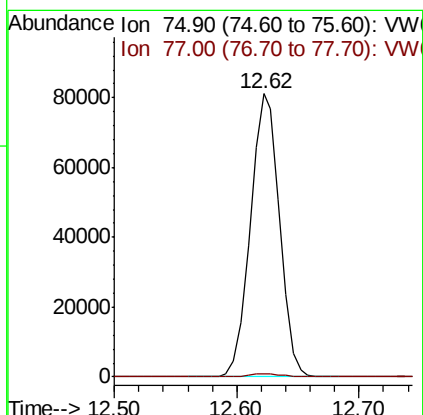
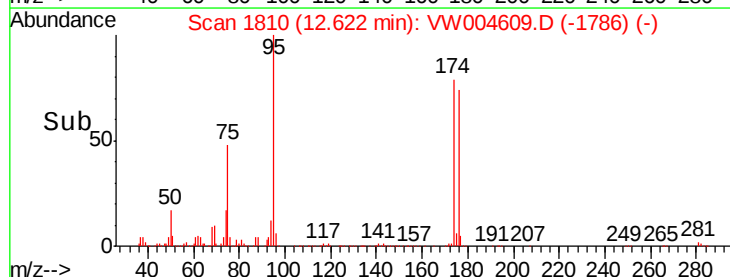
75 100

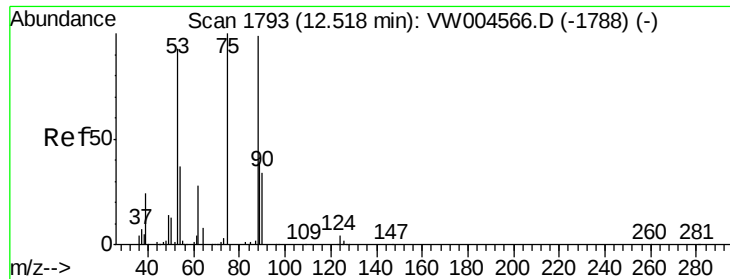
77 1.4 0.0 0.0#



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: 112.536 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004609.D

Acq: 10 Aug 2018 20:24

Instrument :

MSVOA_W

ClientSampleId :

G.L-WC-01

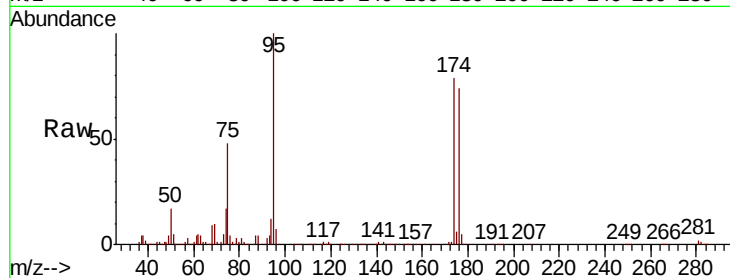
Tgt Ion: 75 Resp: 133960

Ion Ratio Lower Upper

75 100

53 0.2 74.4 111.6#

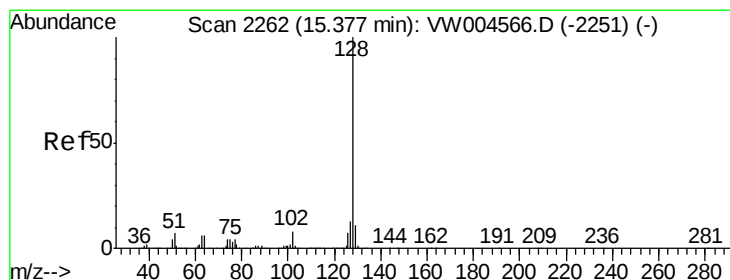
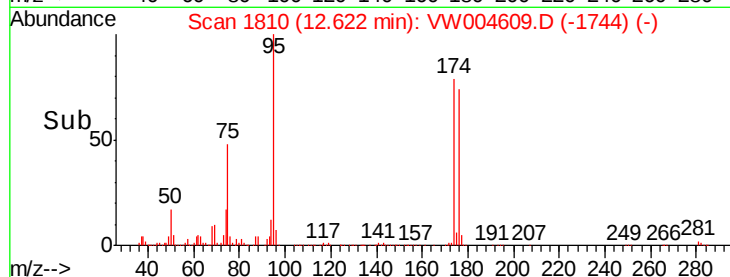
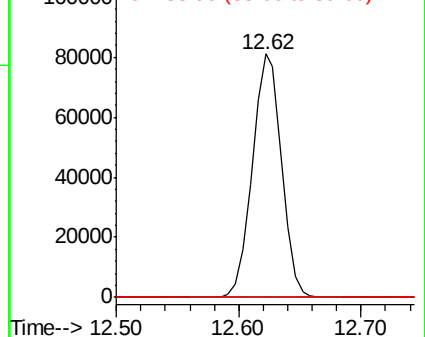
89 0.1 35.9 53.9#



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



#95

Naphthalene

Concen: 3.011 ug/l

RT: 15.37 min Scan# 2261

Delta R.T. -0.01 min

Lab File: VW004609.D

Acq: 10 Aug 2018 20:24

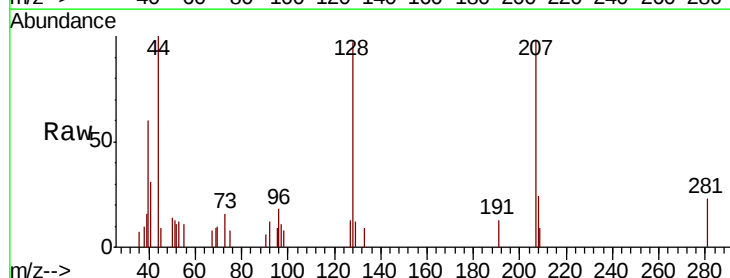
Tgt Ion: 128 Resp: 1254

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 15.2 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

