

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070318\
 Data File : VW003698.D
 Acq On : 03 Jul 2018 14:58
 Operator : SY/AP
 Sample : J3245-19
 Misc : 6.43G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-062918-B

Quant Time: Jul 03 23:48:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	170373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	281391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	237741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	93790	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	102669	50.55	ug/l	0.00
Spiked Amount						
						Recovery = 101.10%
35) Dibromofluoromethane	7.88	113	86448	47.10	ug/l	0.00
Spiked Amount						
						Recovery = 94.20%
50) Toluene-d8	10.33	98	266866	37.04	ug/l	0.00
Spiked Amount						
						Recovery = 74.08%
62) 4-Bromofluorobenzene	12.62	95	83301	32.18	ug/l	0.00
Spiked Amount						
						Recovery = 64.36%

Target Compounds

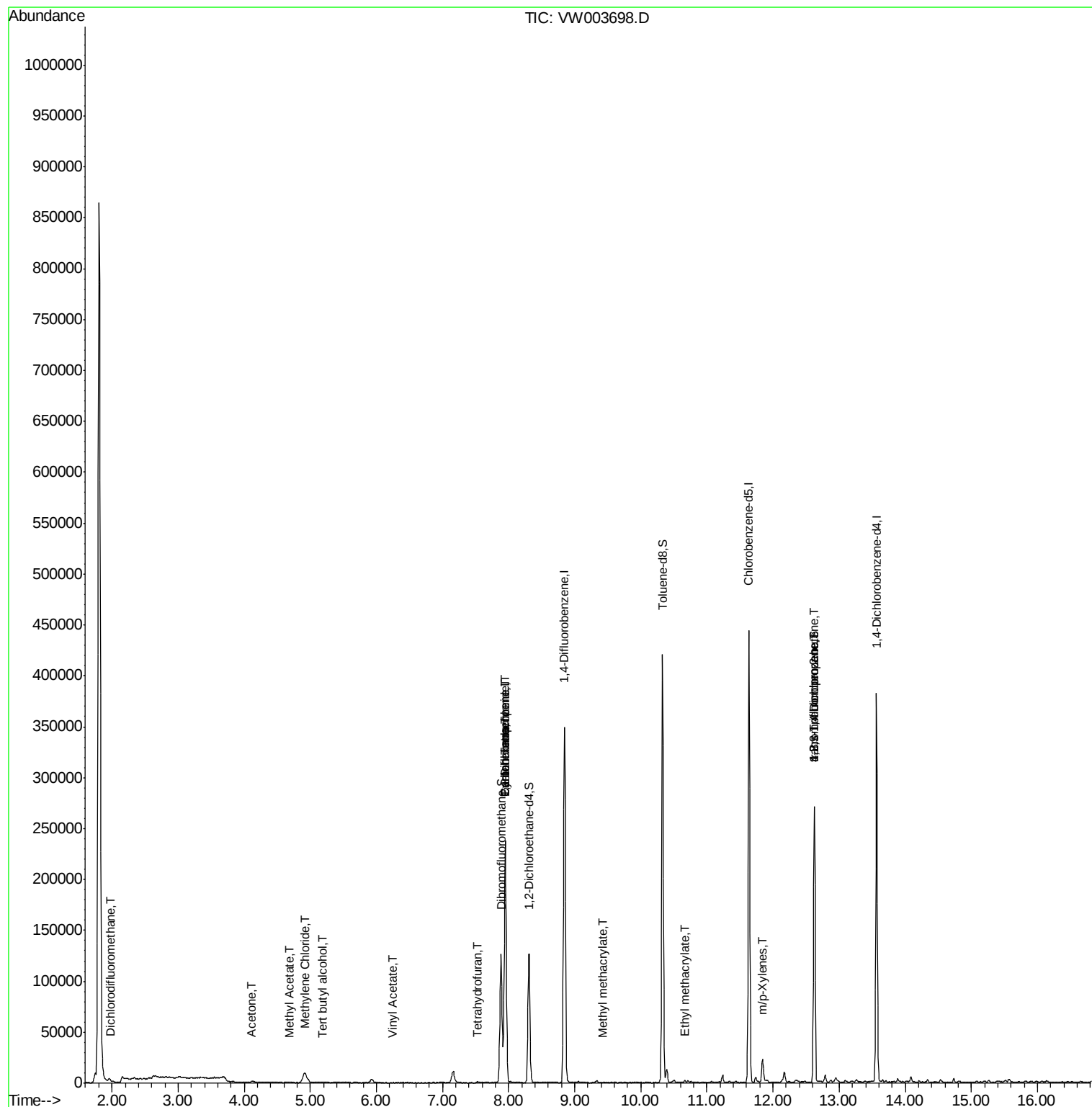
						Qvalue
2) Dichlorodifluoromethane	1.99	85	19	4.888	ug/l #	43
11) Tert butyl alcohol	5.18	59	710	5.586	ug/l #	71
16) Acetone	4.12	43	1484	3.061	ug/l	90
18) Methyl Acetate	4.67	43	747	1.426	ug/l #	53
20) Methylene Chloride	4.93	84	9711	2.027	ug/l	91
23) Vinyl Acetate	6.26	43	20	13.869	ug/l #	74
29) Tetrahydrofuran	7.53	42	769	2.066	ug/l #	61
31) Cyclohexane	7.95	56	4427	1.426	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	14389	5.094	ug/l #	51
38) Carbon Tetrachloride	7.95	117	17011	6.331	ug/l #	17
48) Methyl methacrylate	9.43	41	61	3.406	ug/l #	13
56) Ethyl methacrylate	10.66	69	246	3.692	ug/l #	1
68) m/p-Xylenes	11.84	106	6391	1.919	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	46296	54.898	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	46296	116.326	ug/l #	9

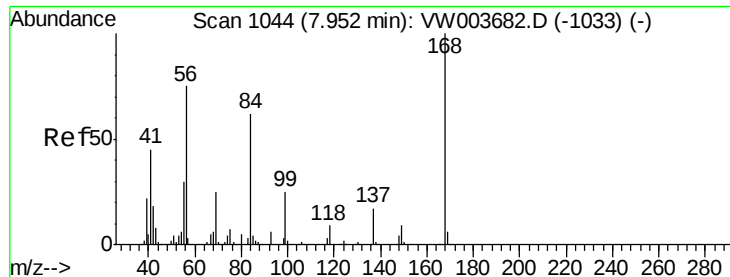
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003698.D

Acq: 03 Jul 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

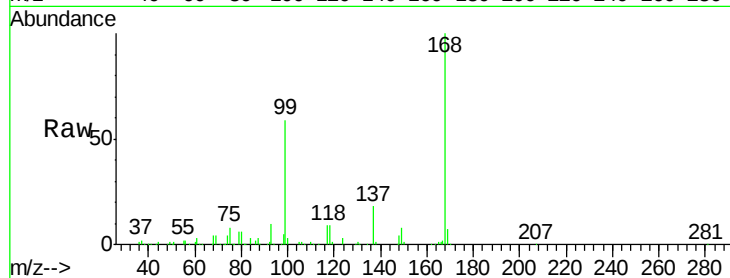
CL-01-062918-B

Tgt Ion:168 Resp: 170373

Ion Ratio Lower Upper

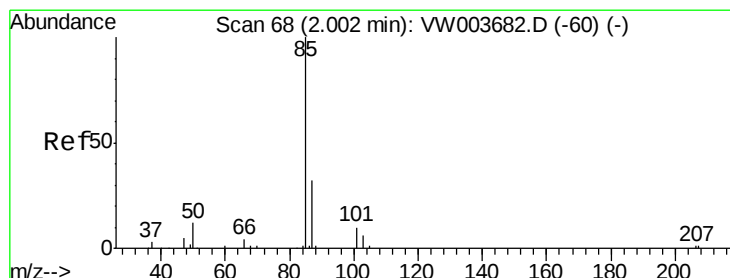
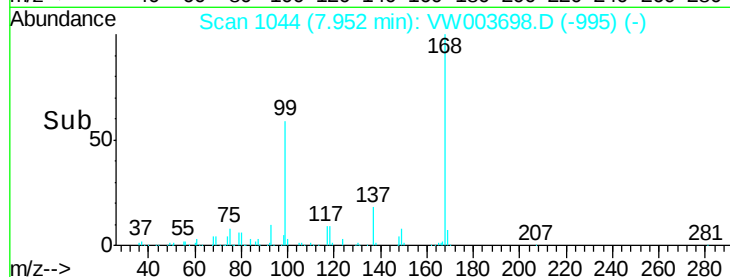
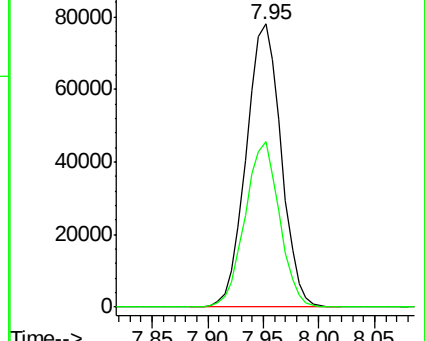
168 100

99 58.7 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 4.888 ug/l

RT: 1.99 min Scan# 66

Delta R.T. -0.01 min

Lab File: VW003698.D

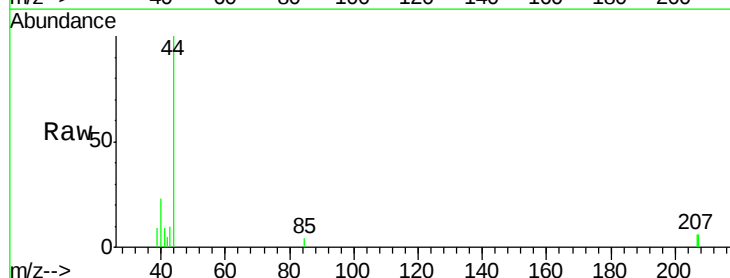
Acq: 03 Jul 2018 14:58

Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

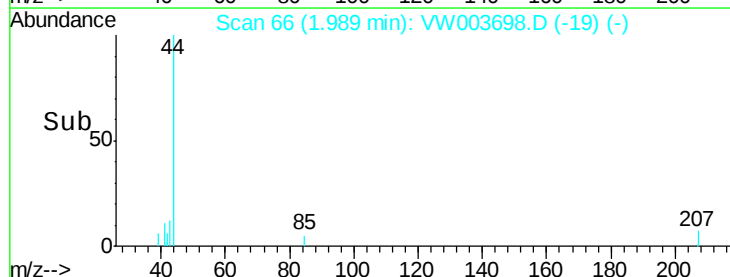
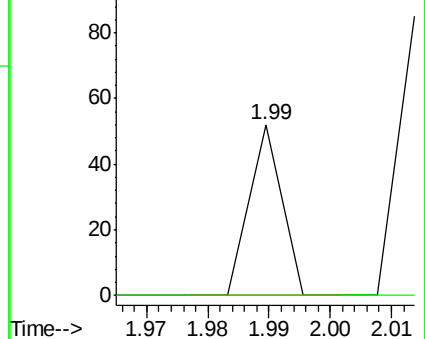
85 100

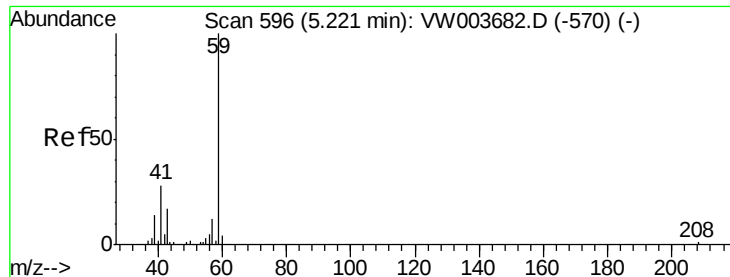
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

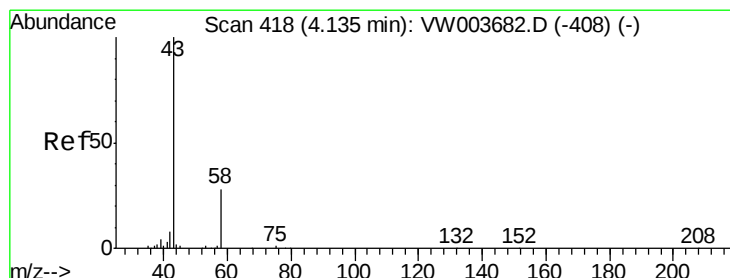
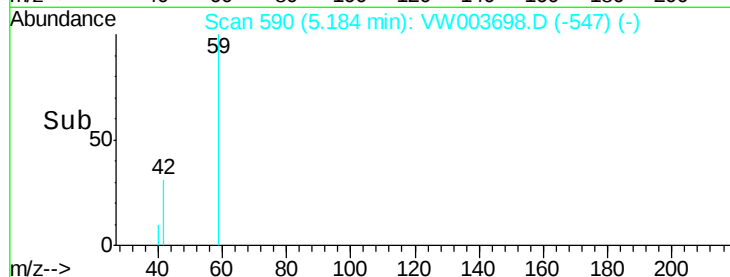
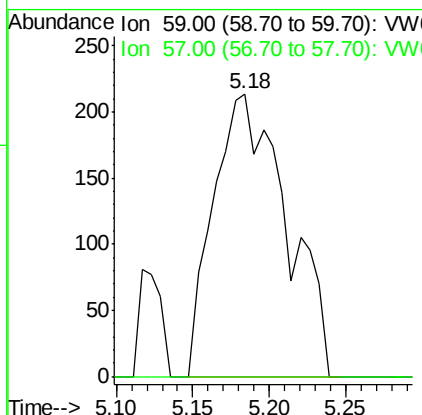
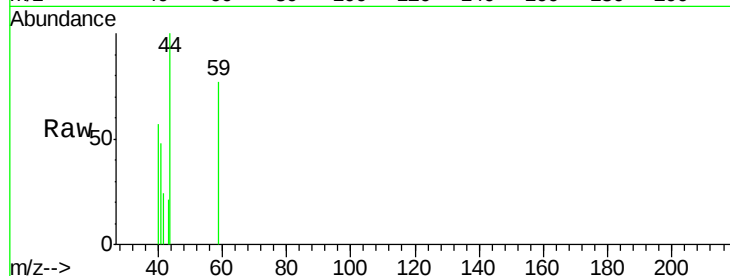




#11
Tert butyl alcohol
Concen: 5.586 ug/l
RT: 5.18 min Scan# 590
Delta R.T. -0.04 min
Lab File: VW003698.D
Acq: 03 Jul 2018 14:58

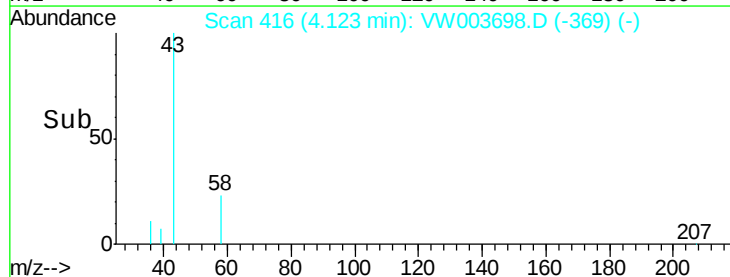
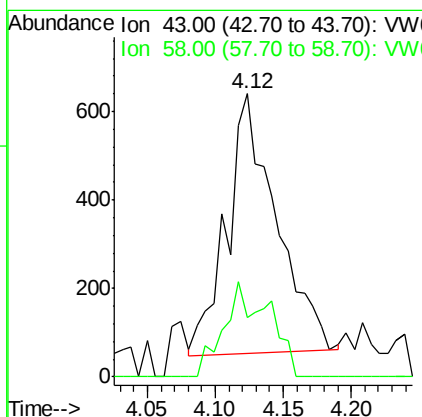
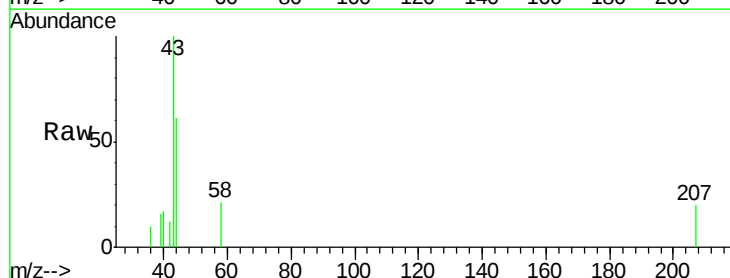
Instrument :
MSVOA_W
ClientSampleId :
CL-01-062918-B

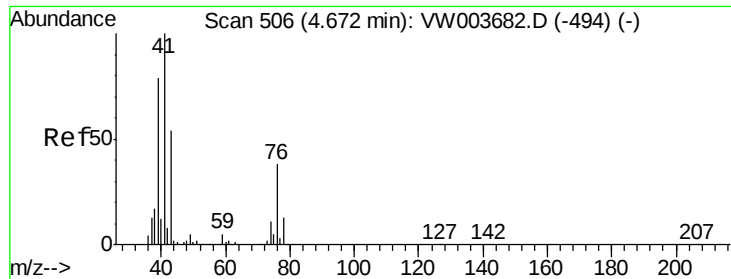
Tgt Ion: 59 Resp: 710
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 3.061 ug/l
RT: 4.12 min Scan# 416
Delta R.T. -0.01 min
Lab File: VW003698.D
Acq: 03 Jul 2018 14:58

Tgt Ion: 43 Resp: 1484
Ion Ratio Lower Upper
43 100
58 23.4 22.7 34.1

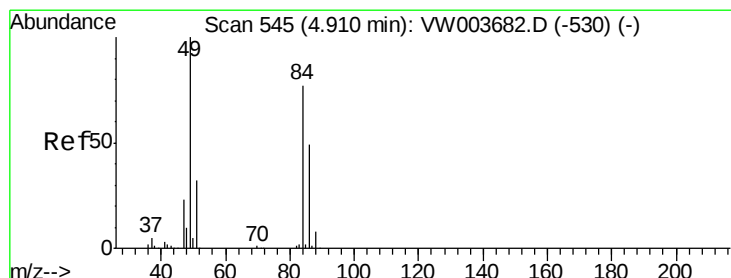
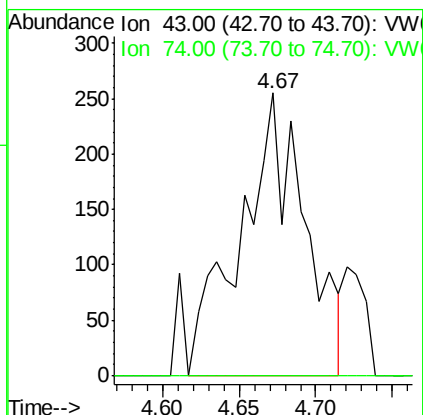
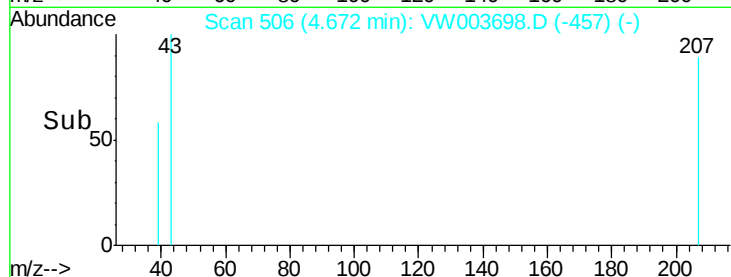
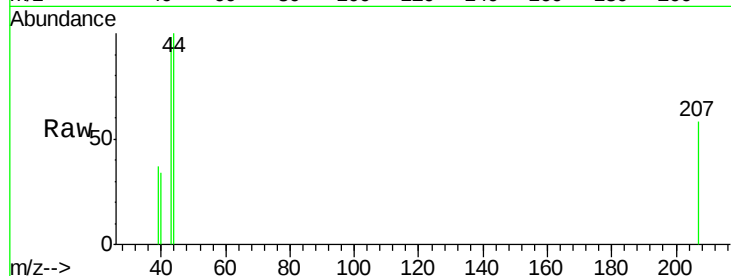




#18
Methyl Acetate
Concen: 1.426 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW003698.D
Acq: 03 Jul 2018 14:58

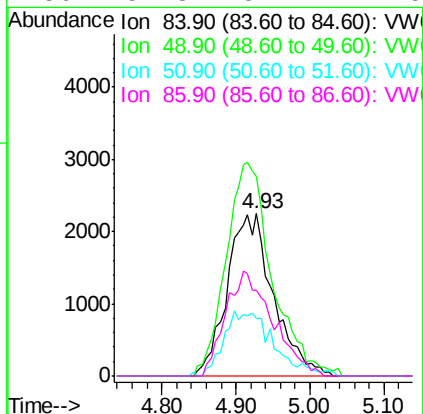
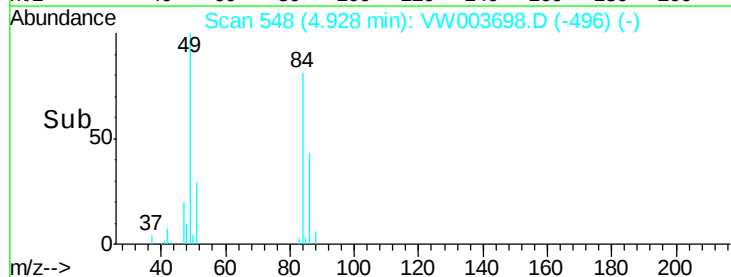
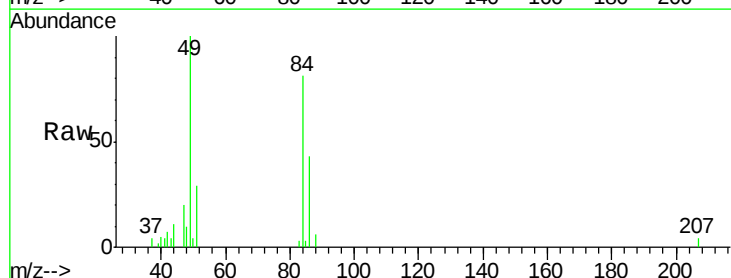
Instrument :
MSVOA_W
ClientSampleId :
CL-01-062918-B

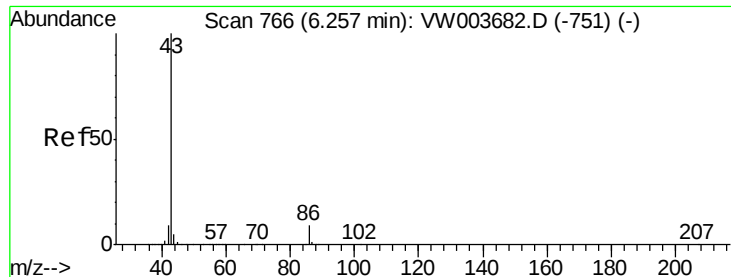
Tgt Ion: 43 Resp: 747
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



#20
Methylene Chloride
Concen: 2.027 ug/l
RT: 4.93 min Scan# 548
Delta R.T. 0.02 min
Lab File: VW003698.D
Acq: 03 Jul 2018 14:58

Tgt Ion: 84 Resp: 9711
Ion Ratio Lower Upper
84 100
49 123.2 104.6 156.8
51 35.7 33.2 49.8
86 52.8 51.7 77.5





#23

Vinyl Acetate

Concen: 13.869 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003698.D

Acq: 03 Jul 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

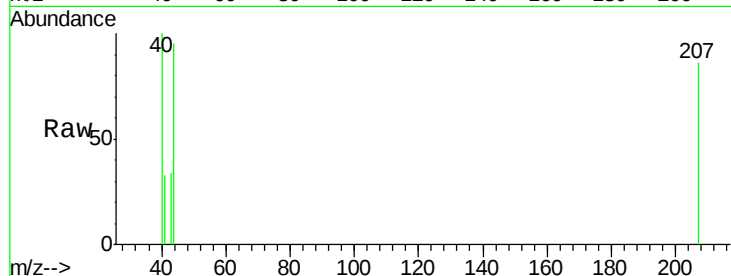
CL-01-062918-B

Tgt Ion: 43 Resp: 20

Ion Ratio Lower Upper

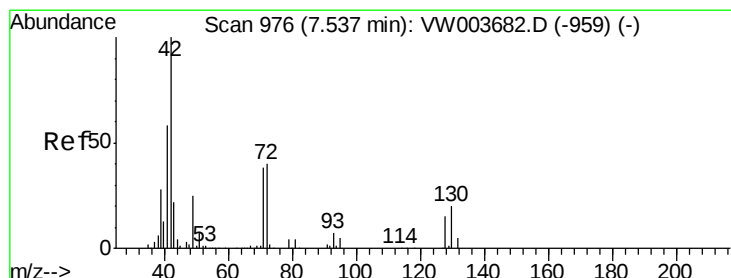
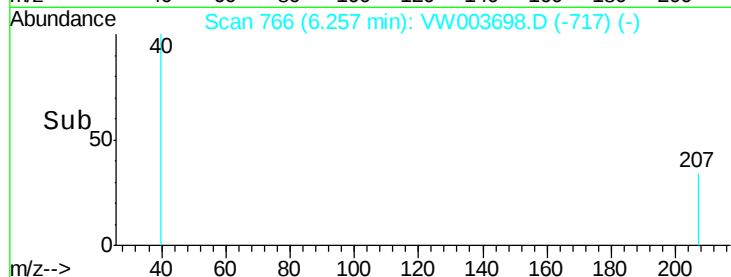
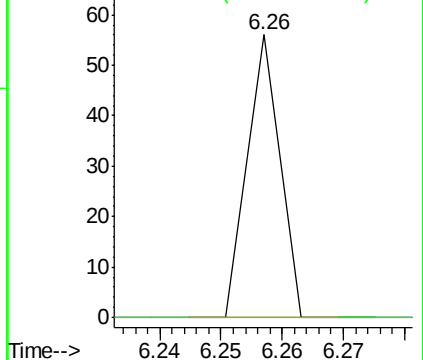
43 100

86 0.0 7.5 11.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#29

Tetrahydrofuran

Concen: 2.066 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.01 min

Lab File: VW003698.D

Acq: 03 Jul 2018 14:58

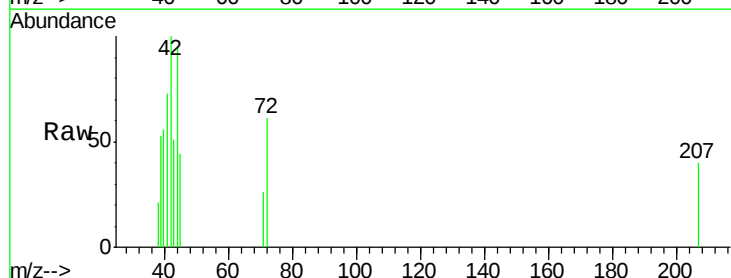
Tgt Ion: 42 Resp: 769

Ion Ratio Lower Upper

42 100

72 21.8 32.0 48.0#

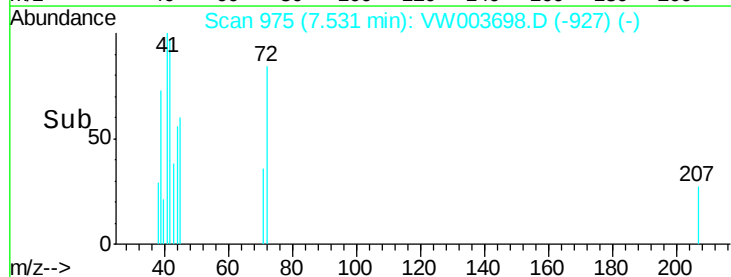
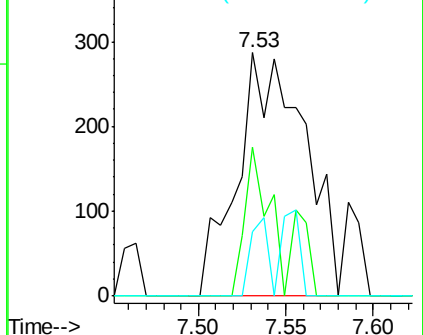
71 7.9 30.2 45.2#

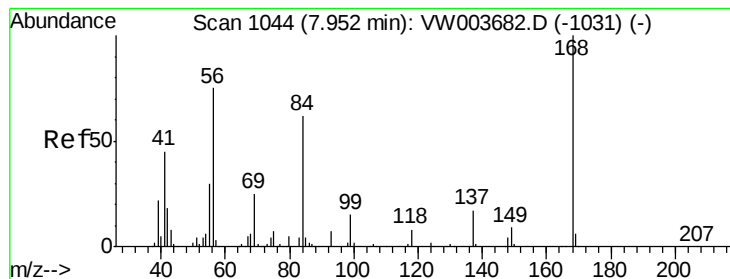


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.426 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003698.D

Acq: 03 Jul 2018 14:58

Instrument :

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ClientSampleId :

CL-01-062918-B

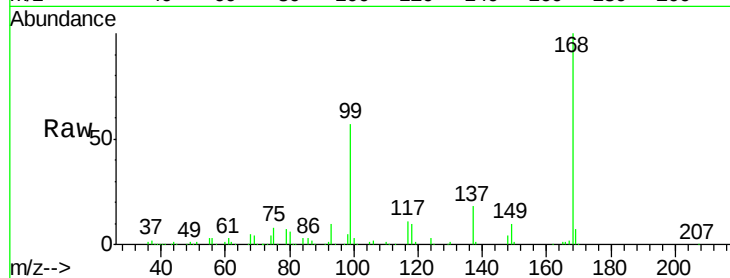
Tgt Ion: 56 Resp: 4427

Ion Ratio Lower Upper

56 100

69 157.3 27.0 40.4#

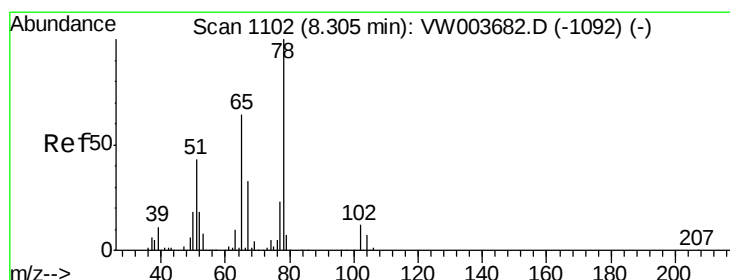
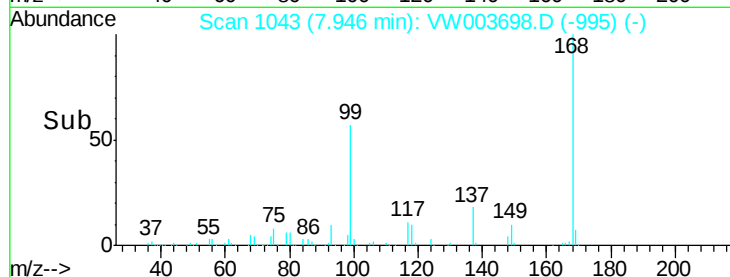
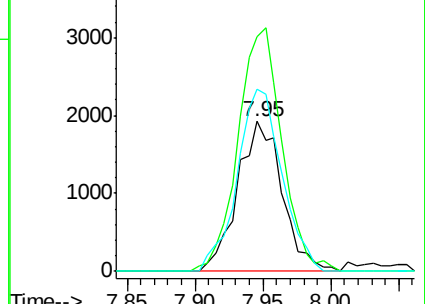
84 121.8 65.4 98.0#



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



#33

1,2-Dichloroethane-d4

Concen: 50.546 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003698.D

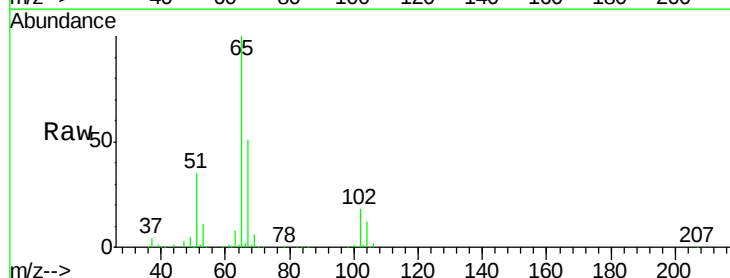
Acq: 03 Jul 2018 14:58

Tgt Ion: 65 Resp: 102669

Ion Ratio Lower Upper

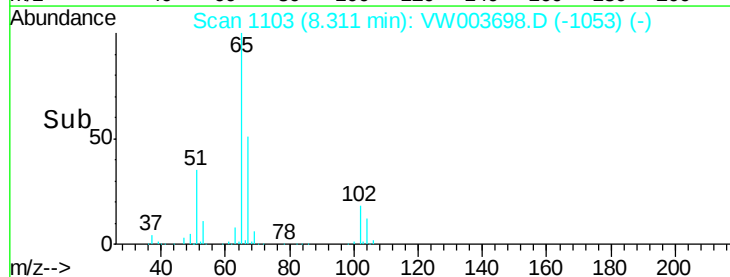
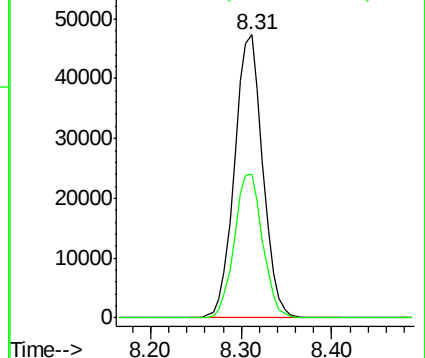
65 100

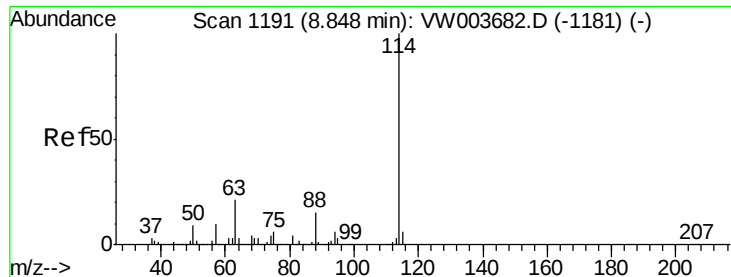
67 50.9 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003698.D

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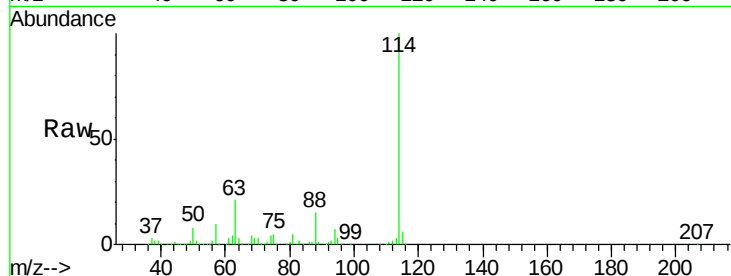
Tgt Ion:114 Resp: 281391

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.6

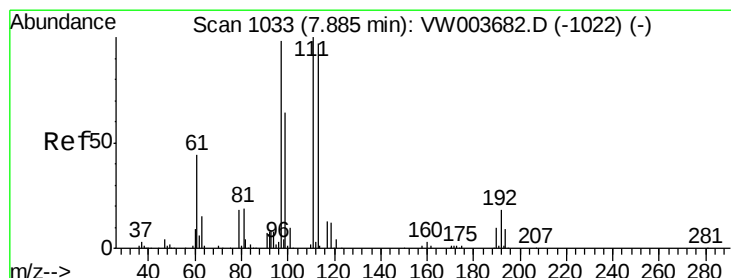
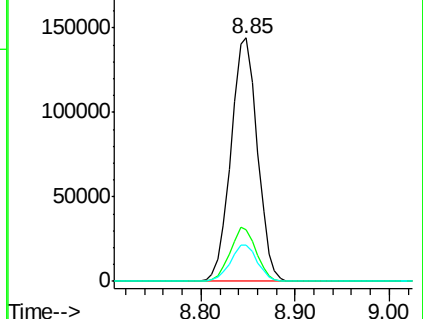
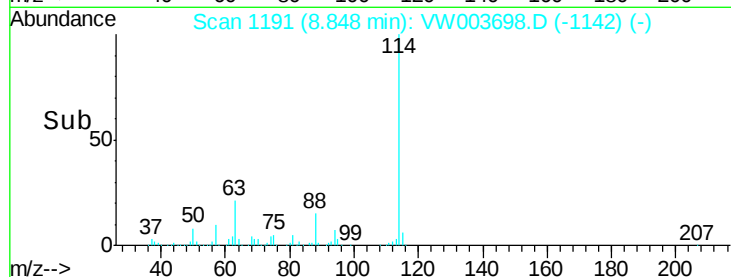
88 15.1 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 47.104 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003698.D

Acq: 03 Jul 2018 14:58

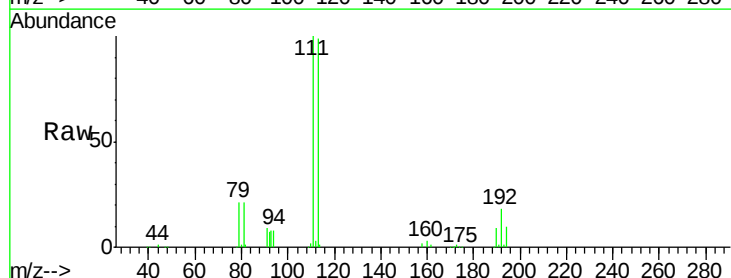
Tgt Ion:113 Resp: 86448

Ion Ratio Lower Upper

113 100

111 103.4 82.4 123.6

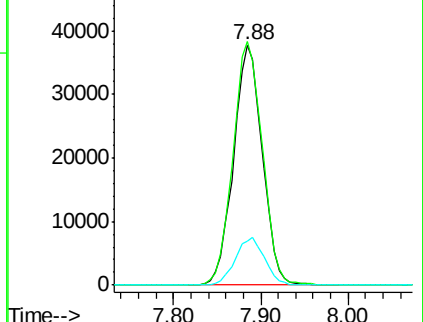
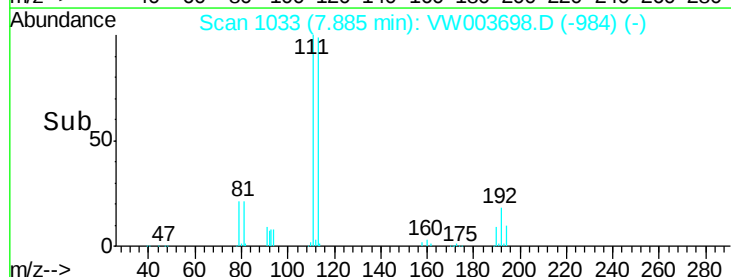
192 20.2 15.8 23.6

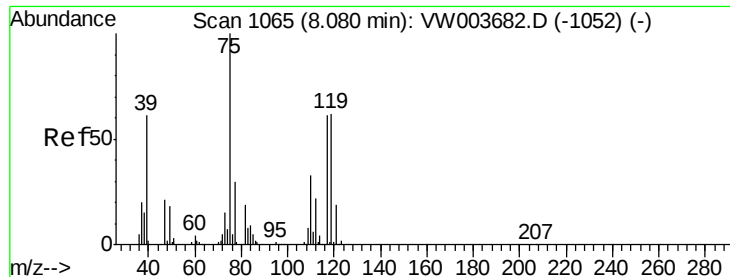


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.094 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003698.D

Acq: 03 Jul 2018 14:58

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CL-01-062918-B

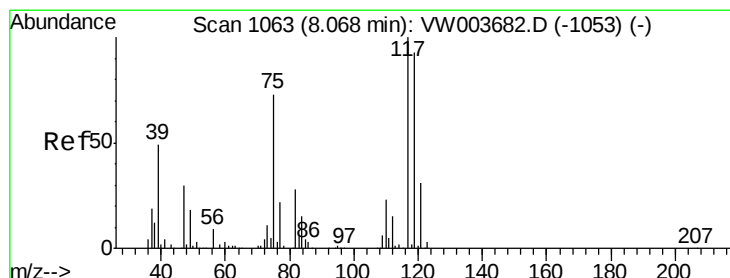
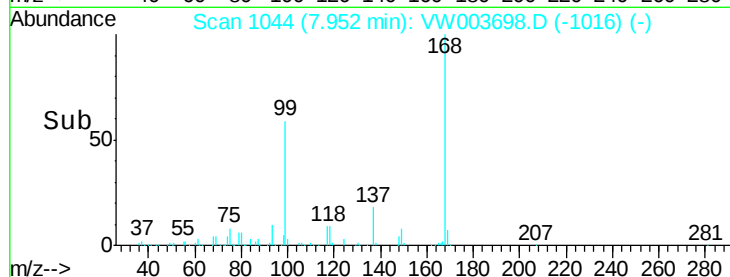
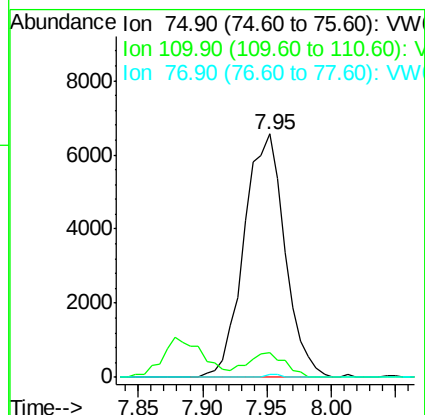
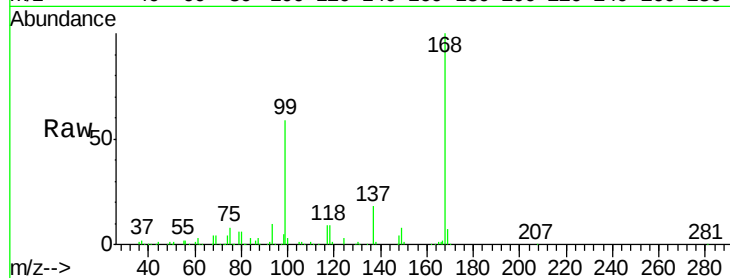
Tgt Ion: 75 Resp: 14389

Ion Ratio Lower Upper

75 100

110 9.3 16.9 50.6#

77 0.4 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.331 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003698.D

Acq: 03 Jul 2018 14:58

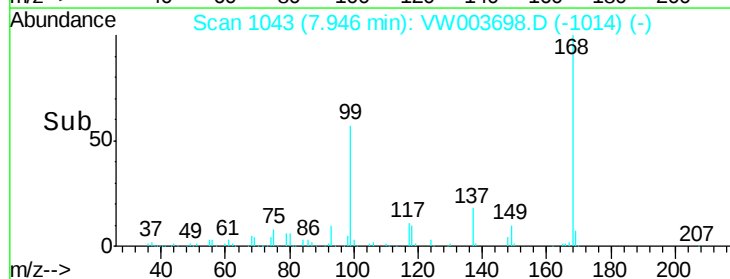
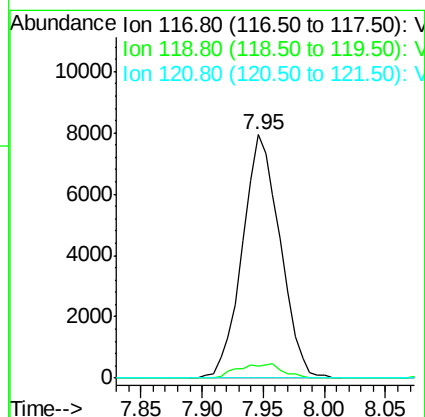
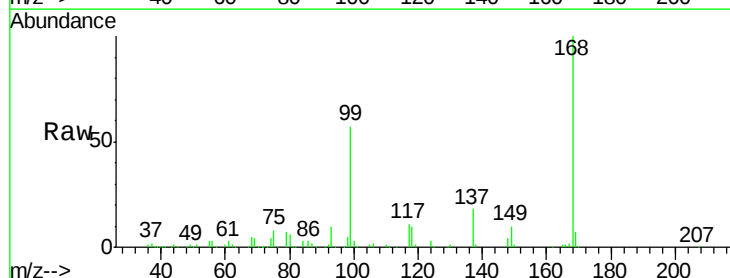
Tgt Ion: 117 Resp: 17011

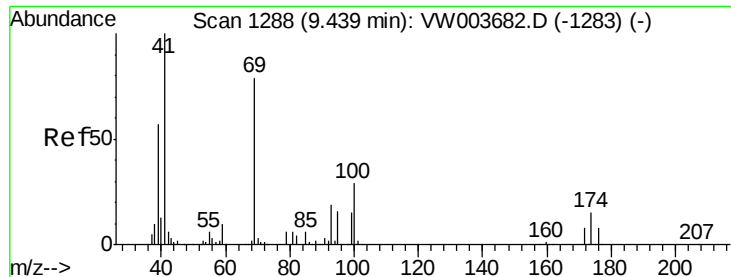
Ion Ratio Lower Upper

117 100

119 5.1 74.1 111.1#

121 0.0 25.0 37.4#

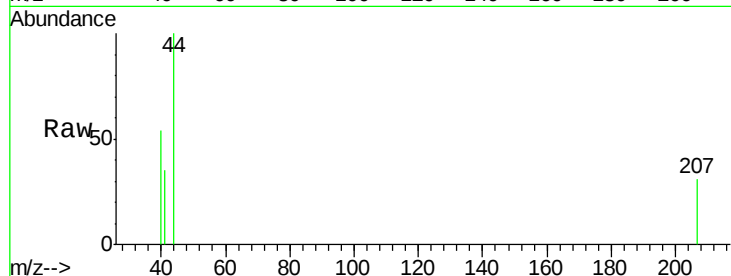




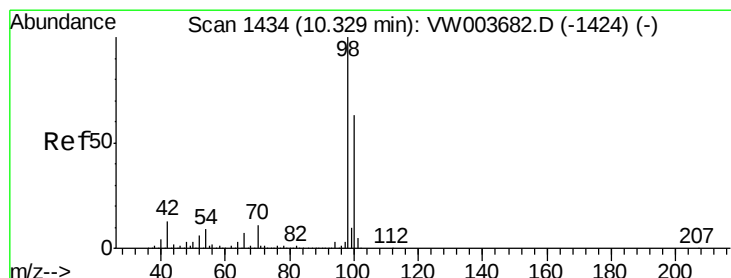
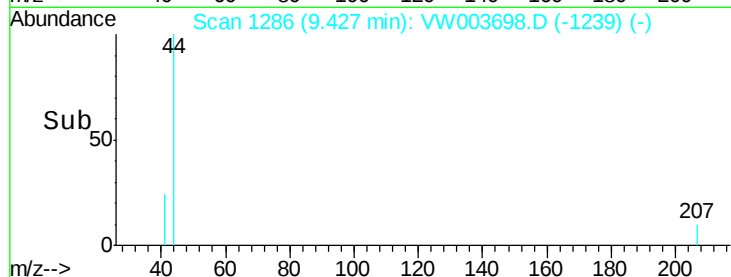
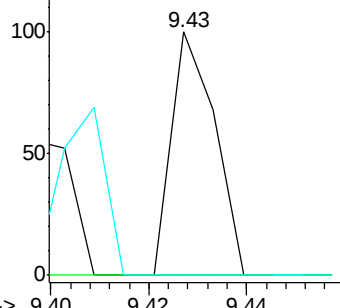
#48
Methyl methacrylate
Concen: 3.406 ug/l
RT: 9.43 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VW003698.D
Acq: 03 Jul 2018 14:58

Instrument :
MSVOA_W
ClientSampleId :
CL-01-062918-B

Tgt Ion: 41 Resp: 61
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 0.0 50.0 75.0#

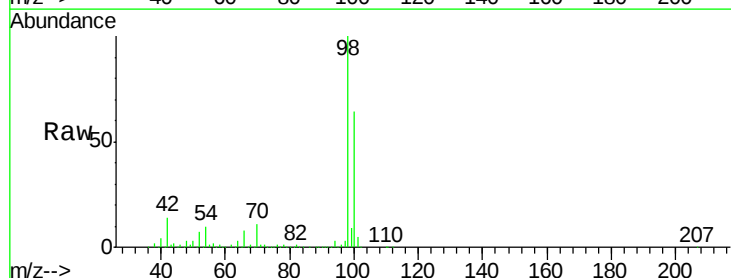


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

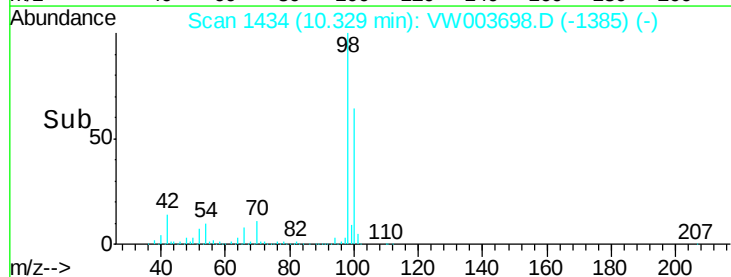
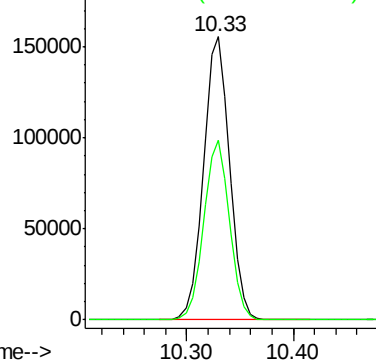


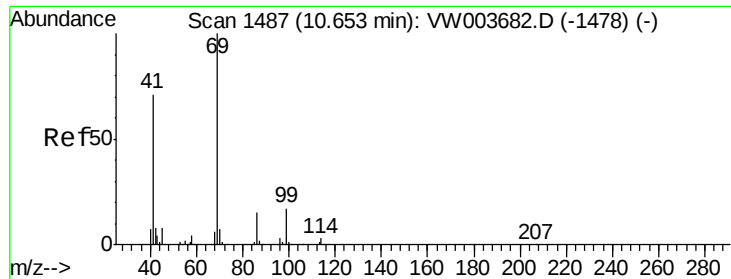
#50
Toluene-d8
Concen: 37.041 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003698.D
Acq: 03 Jul 2018 14:58

Tgt Ion: 98 Resp: 266866
Ion Ratio Lower Upper
98 100
100 62.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 3.692 ug/l

RT: 10.66 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VW003698.D

Acq: 03 Jul 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

CL-01-062918-B

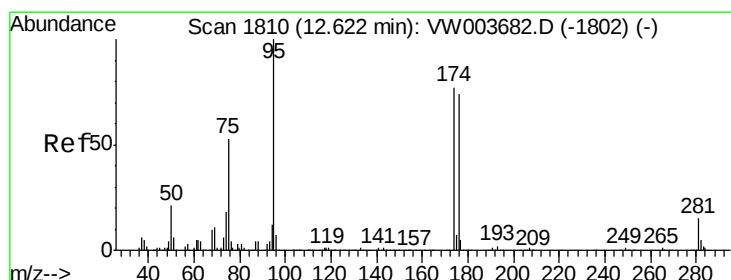
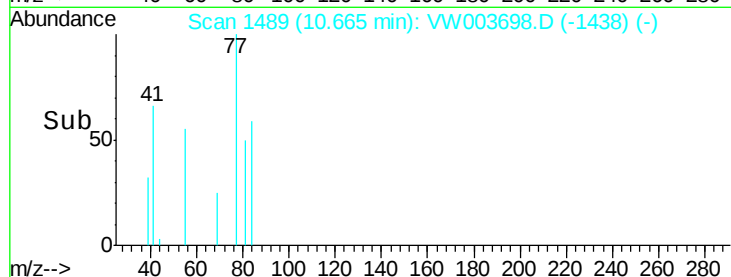
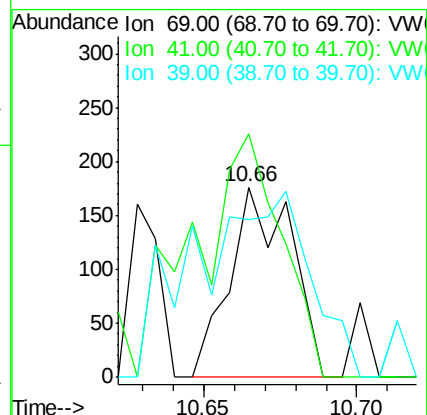
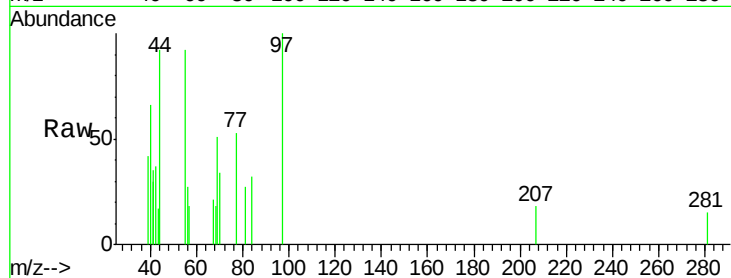
Tgt Ion: 69 Resp: 246

Ion Ratio Lower Upper

69 100

41 191.5 57.5 86.3#

39 183.7 29.4 44.0#



#62

4-Bromofluorobenzene

Concen: 32.184 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003698.D

Acq: 03 Jul 2018 14:58

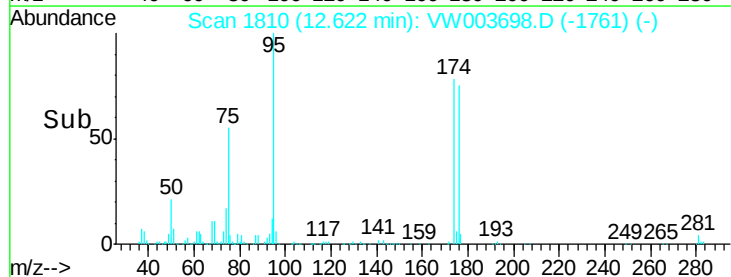
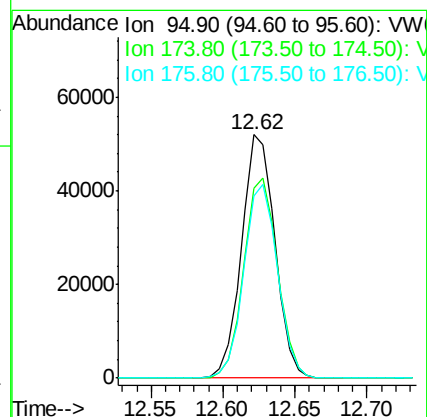
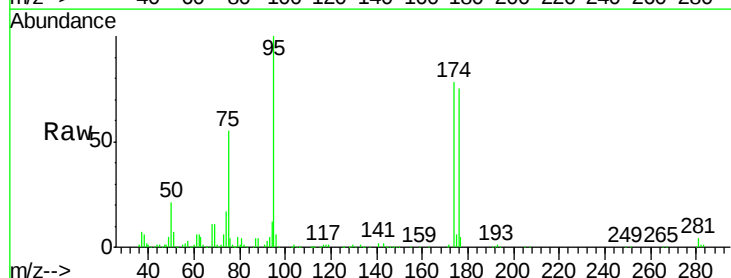
Tgt Ion: 95 Resp: 83301

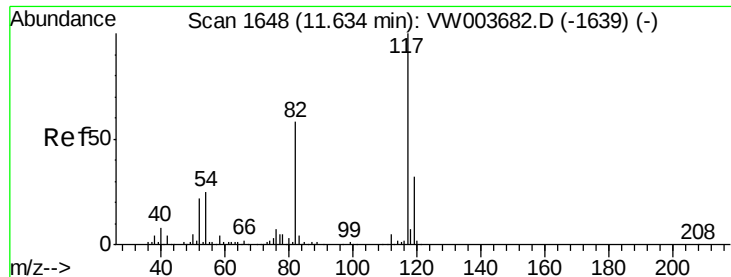
Ion Ratio Lower Upper

95 100

174 83.2 0.0 161.2

176 80.3 0.0 155.0

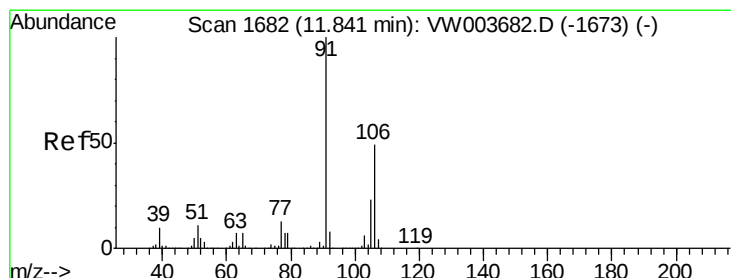
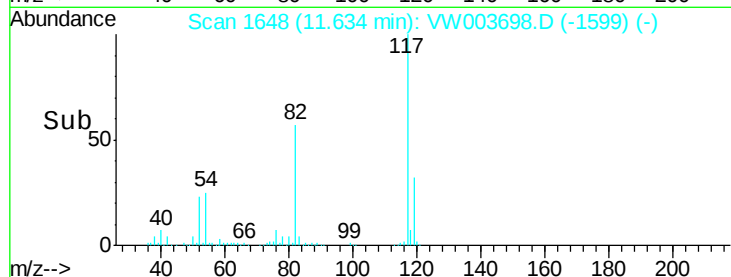
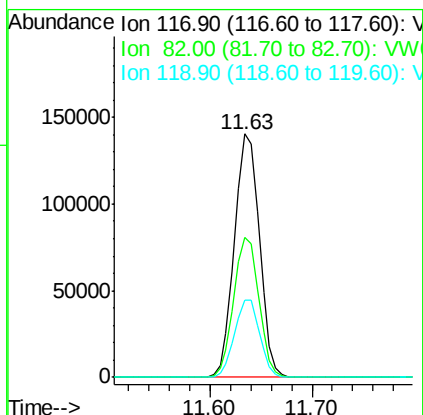
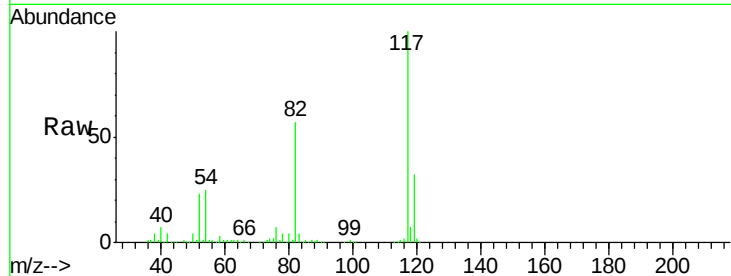




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003698.D
Acq: 03 Jul 2018 14:58

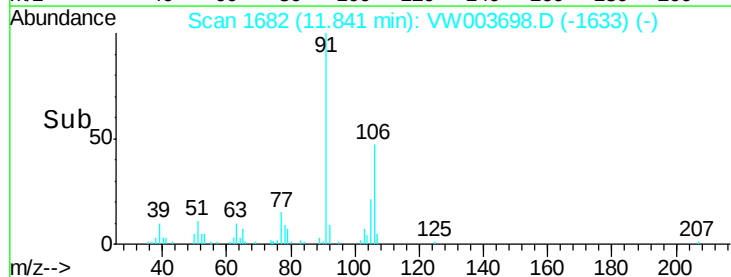
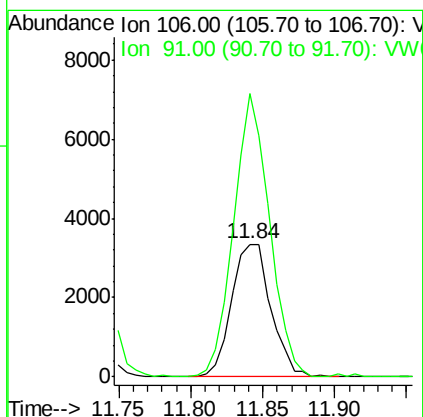
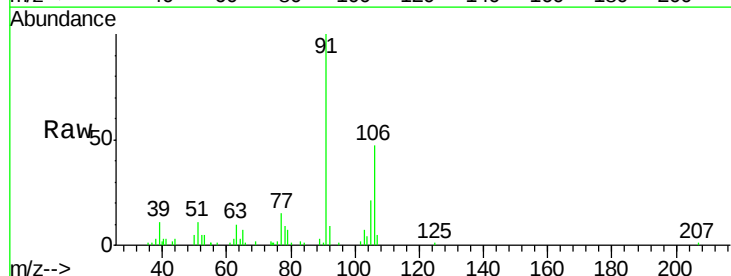
Instrument :
MSVOA_W
ClientSampleId :
CL-01-062918-B

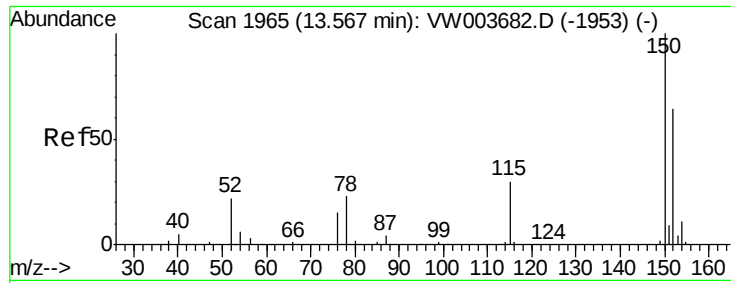
Tgt Ion:117 Resp: 237741
Ion Ratio Lower Upper
117 100
82 57.2 46.0 69.0
119 31.9 25.4 38.0



#68
m/p-Xylenes
Concen: 1.919 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VW003698.D
Acq: 03 Jul 2018 14:58

Tgt Ion:106 Resp: 6391
Ion Ratio Lower Upper
106 100
91 193.8 163.7 245.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003698.D

Acq: 03 Jul 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

CL-01-062918-B

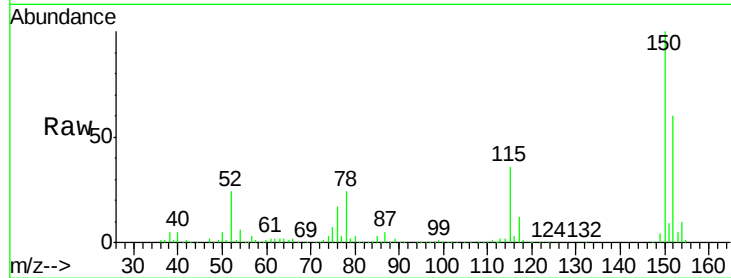
Tgt Ion: 152 Resp: 93790

Ion Ratio Lower Upper

152 100

115 57.0 29.3 88.0

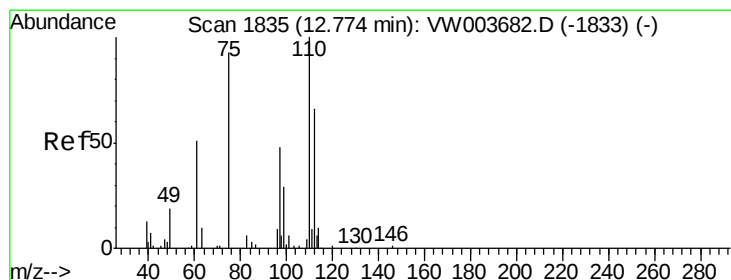
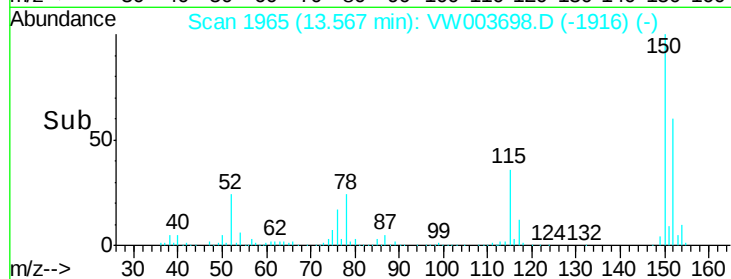
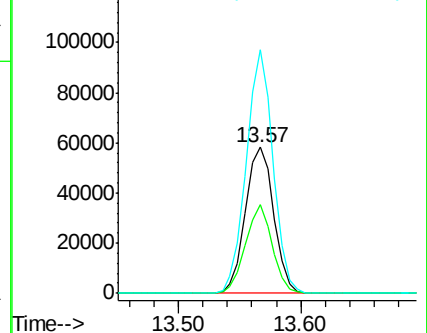
150 157.3 0.0 352.0



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: 54.898 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003698.D

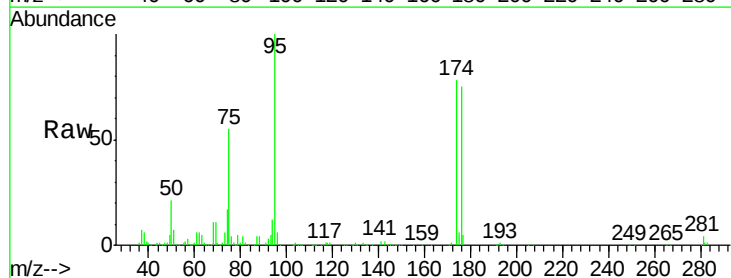
Acq: 03 Jul 2018 14:58

Tgt Ion: 75 Resp: 46296

Ion Ratio Lower Upper

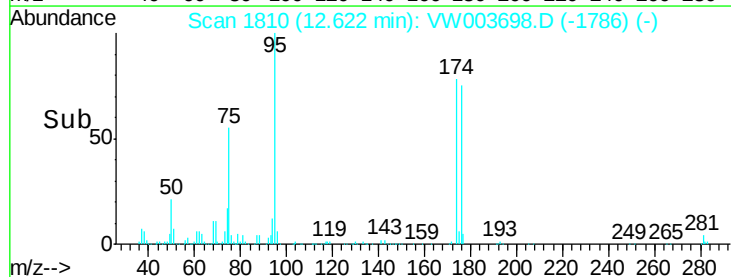
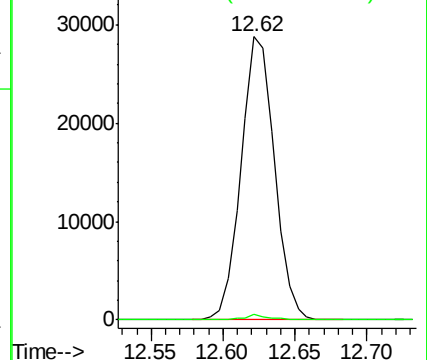
75 100

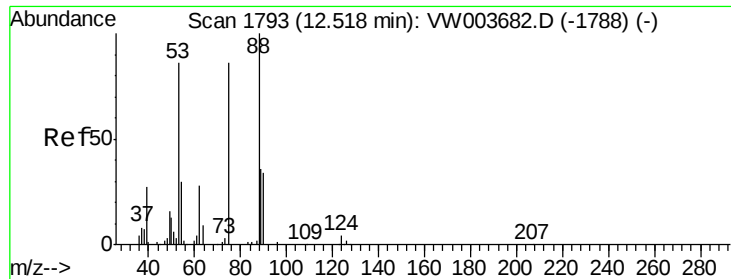
77 1.3 0.0 0.0#



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: 116.326 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003698.D

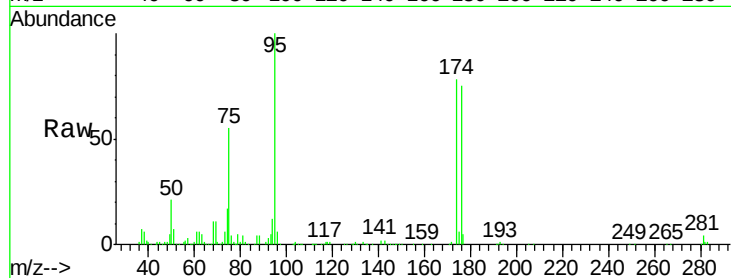
Acq: 03 Jul 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

CL-01-062918-B



Tgt Ion: 75 Resp: 46296

Ion Ratio Lower Upper

75 100

53 0.3 82.4 123.6#

89 0.0 35.9 53.9#

