

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070318\
 Data File : VW003699.D
 Acq On : 03 Jul 2018 15:25
 Operator : SY/AP
 Sample : J3245-21
 Misc : 5.84G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jul 03 23:49:06 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	175101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	293515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	252660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	99574	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	101684	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
35) Dibromofluoromethane	7.88	113	85015	44.41	ug/l	0.00
Spiked Amount			Recovery	=	88.82%	
50) Toluene-d8	10.33	98	264715	35.22	ug/l	0.00
Spiked Amount			Recovery	=	70.44%	
62) 4-Bromofluorobenzene	12.62	95	84845	31.43	ug/l	0.00
Spiked Amount			Recovery	=	62.86%	

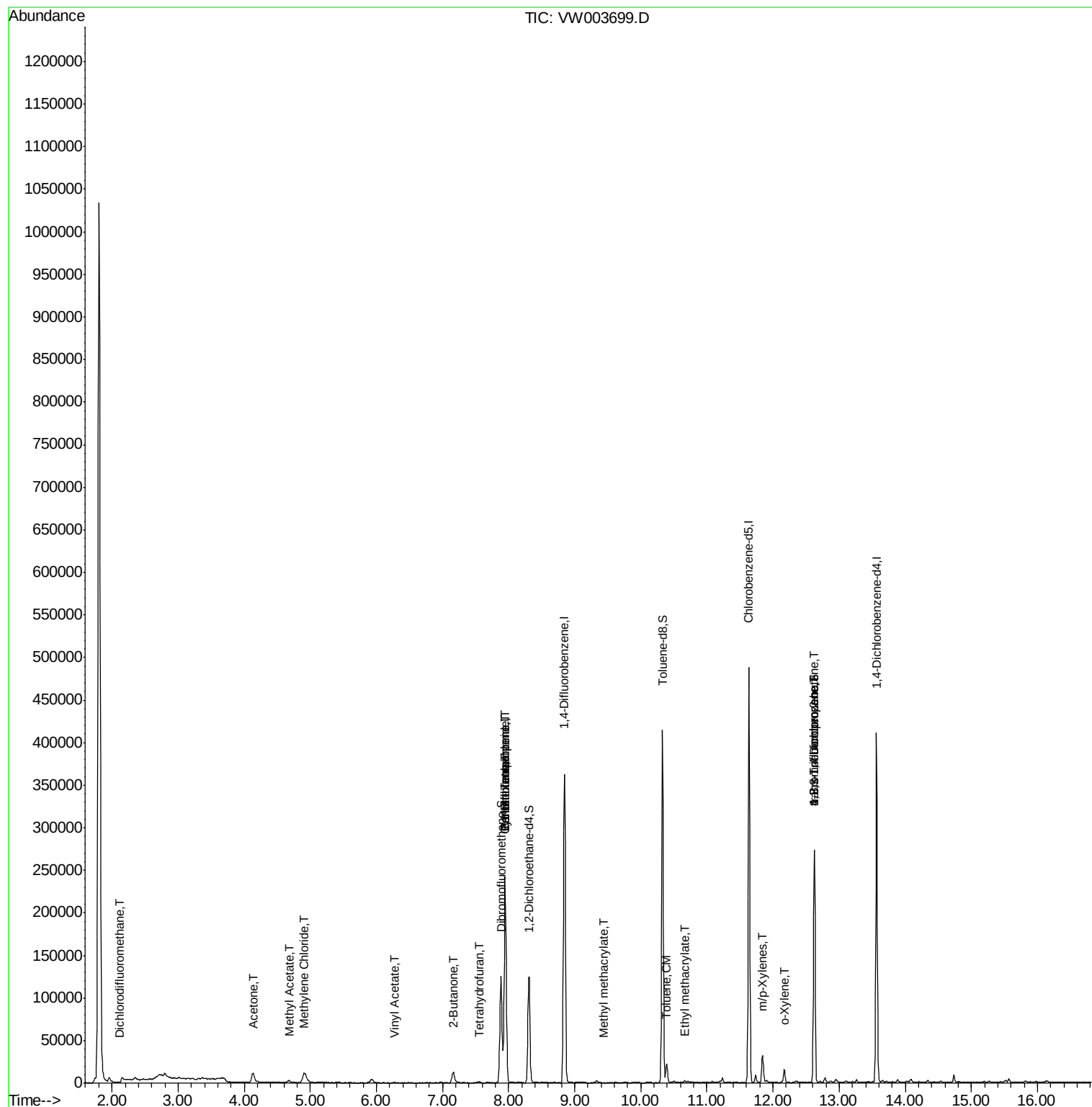
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.11	85	21	4.889	ug/l #	43
16) Acetone	4.14	43	20304	40.745	ug/l	98
18) Methyl Acetate	4.68	43	4921	5.206	ug/l	93
20) Methylene Chloride	4.90	84	10984	2.590	ug/l	95
23) Vinyl Acetate	6.27	43	20	13.868	ug/l #	74
25) 2-Butanone	7.17	43	819	1.284	ug/l #	50
29) Tetrahydrofuran	7.55	42	829	2.167	ug/l #	73
31) Cyclohexane	7.96	56	4837	1.516	ug/l #	41
36) 1,1-Dichloropropene	7.95	75	14839	5.036	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18432	6.576	ug/l #	19
48) Methyl methacrylate	9.45	41	113	3.438	ug/l #	13
52) Toluene	10.39	92	8491	1.643	ug/l	99
56) Ethyl methacrylate	10.66	69	176	3.658	ug/l #	1
68) m/p-Xylenes	11.84	106	8538	2.412	ug/l	94
69) o-Xylene	12.17	106	3629	1.109	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	45653	50.991	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	45653	108.047	ug/l #	9

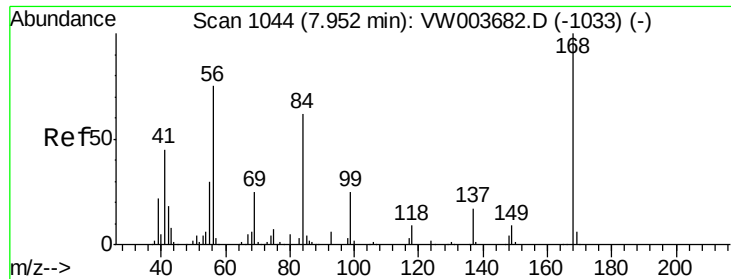
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003699.D

Acq: 03 Jul 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

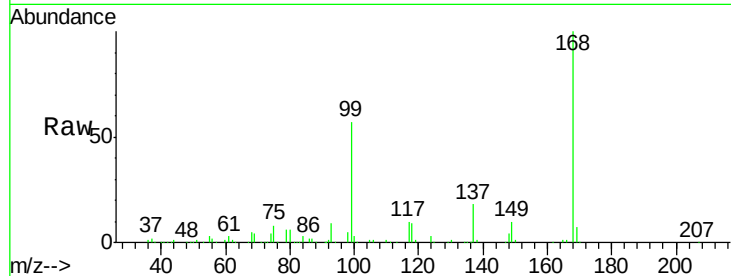
CL-01-062918-C

Tgt Ion:168 Resp: 175101

Ion Ratio Lower Upper

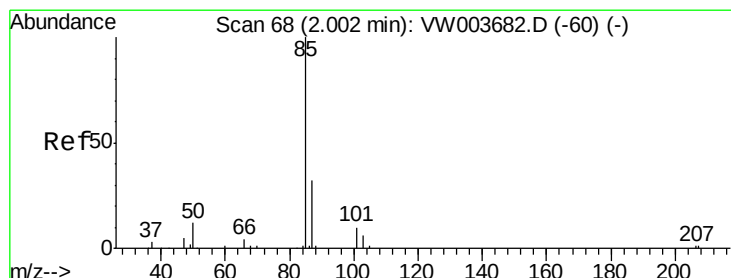
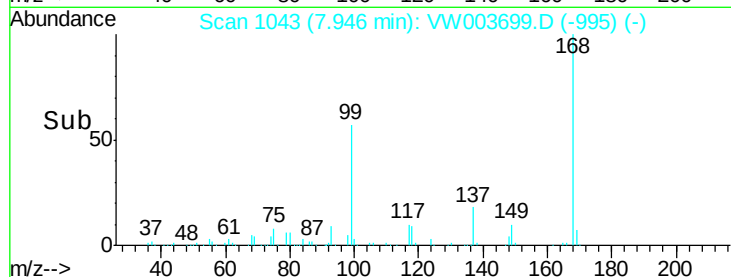
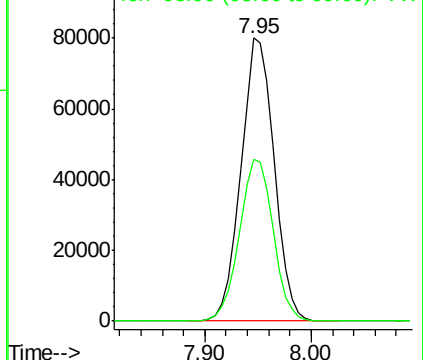
168 100

99 56.9 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: 4.889 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.11 min

Lab File: VW003699.D

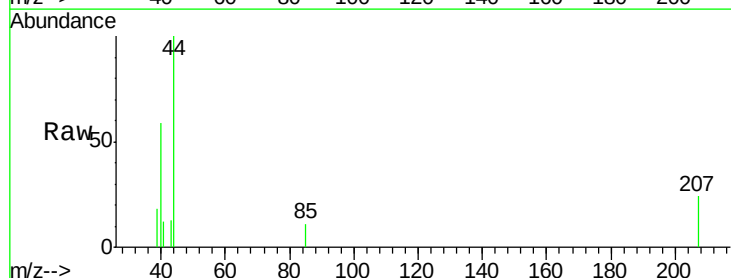
Acq: 03 Jul 2018 15:25

Tgt Ion: 85 Resp: 21

Ion Ratio Lower Upper

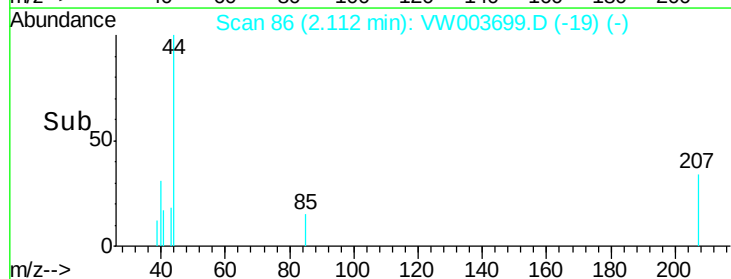
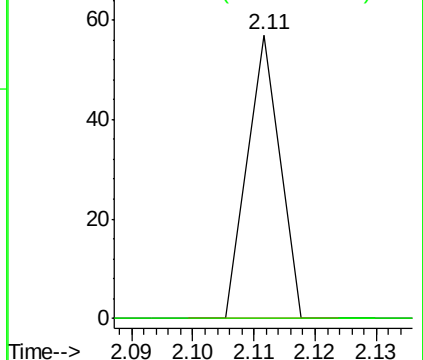
85 100

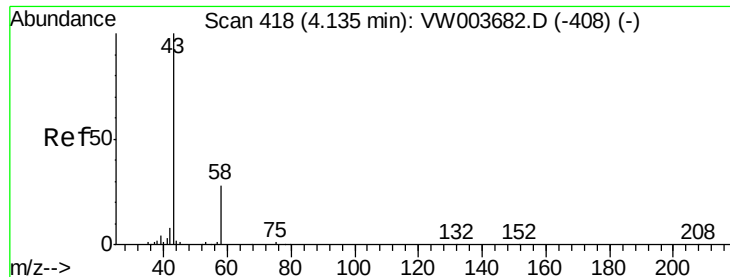
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#16

Acetone

Concen: 40.745 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW003699.D

Acq: 03 Jul 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

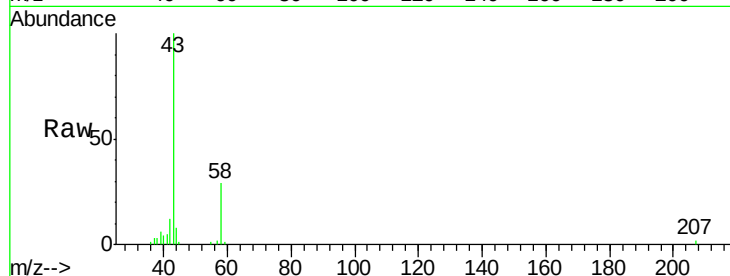
CL-01-062918-C

Tgt Ion: 43 Resp: 20304

Ion Ratio Lower Upper

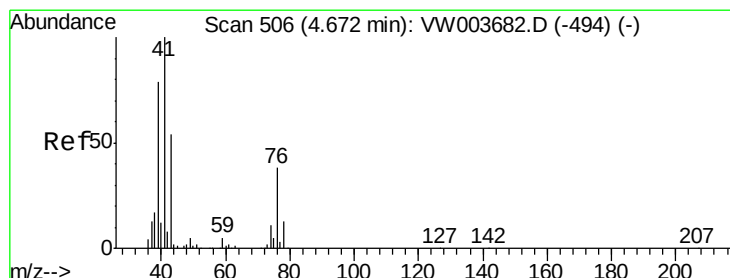
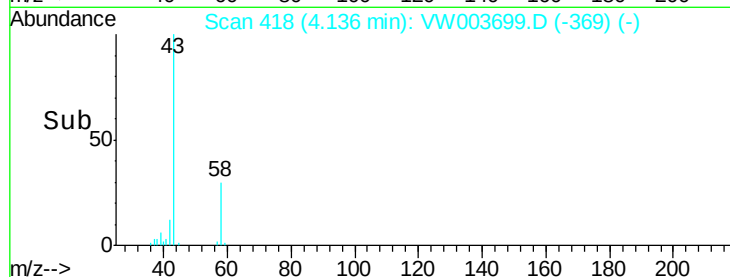
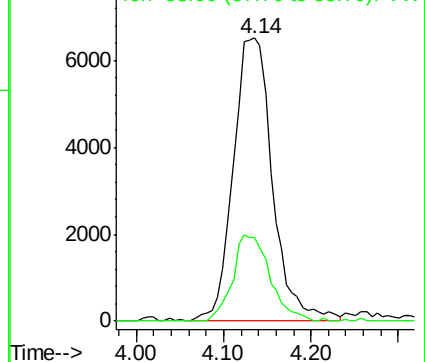
43 100

58 29.5 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 5.206 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW003699.D

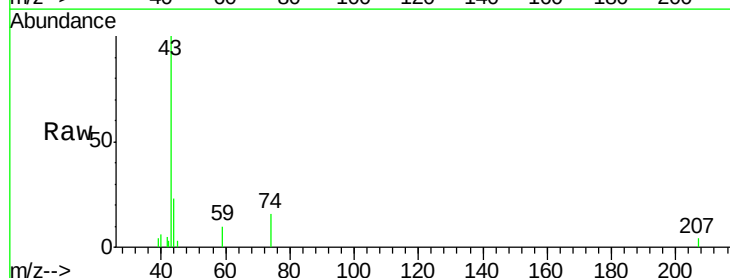
Acq: 03 Jul 2018 15:25

Tgt Ion: 43 Resp: 4921

Ion Ratio Lower Upper

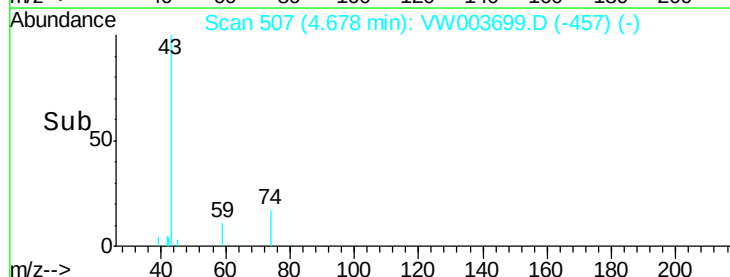
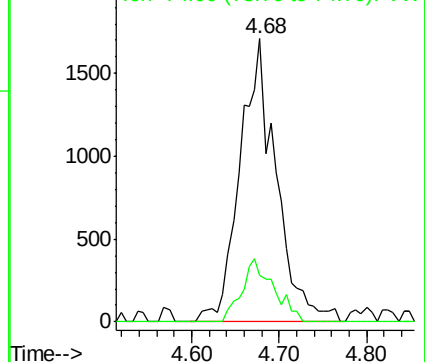
43 100

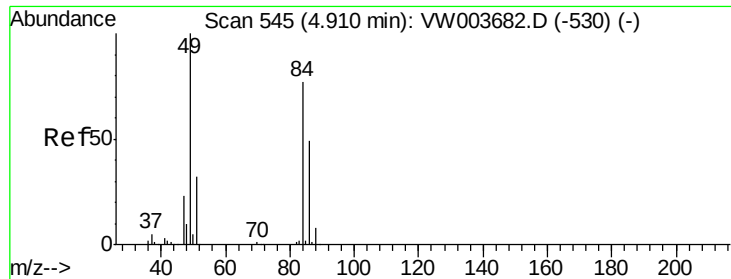
74 19.5 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methylene Chloride

Concen: 2.590 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW003699.D

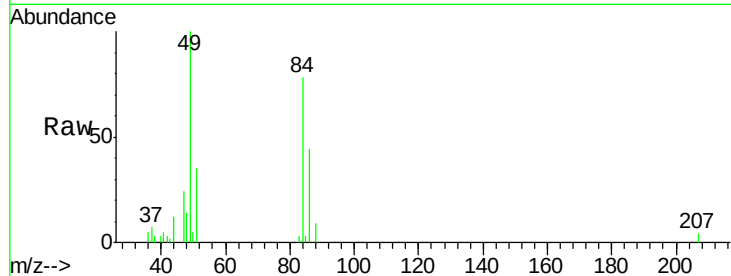
Acq: 03 Jul 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

CL-01-062918-C



Tgt Ion: 84 Resp: 10984

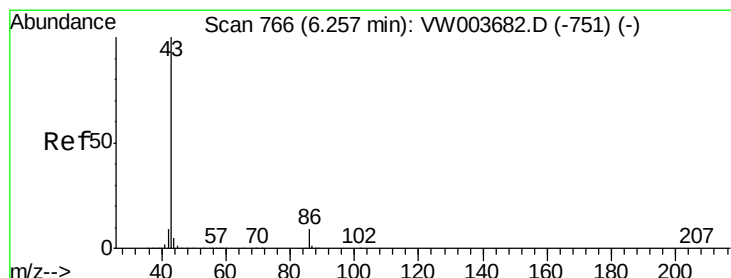
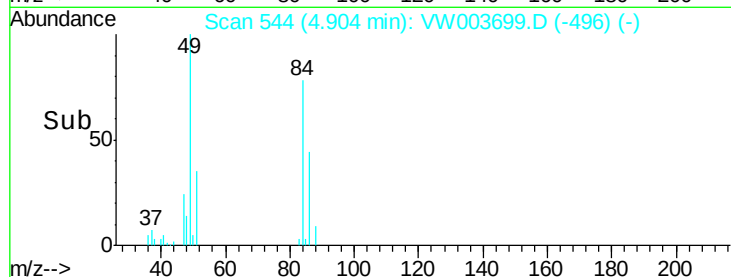
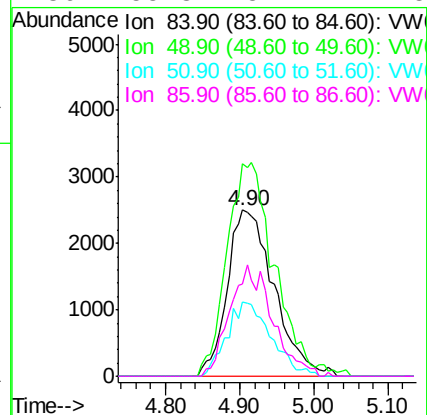
Ion Ratio Lower Upper

84 100

49 128.1 104.6 156.8

51 44.8 33.2 49.8

86 55.8 51.7 77.5



#23

Vinyl Acetate

Concen: 13.868 ug/l

RT: 6.27 min Scan# 768

Delta R.T. 0.01 min

Lab File: VW003699.D

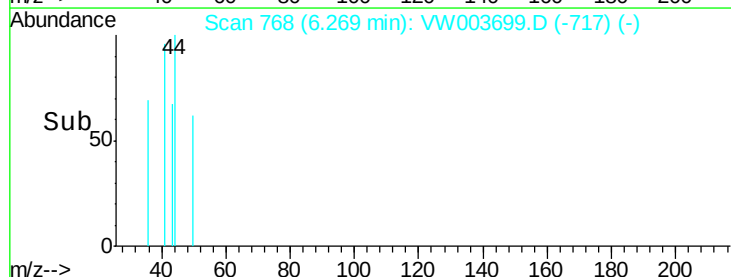
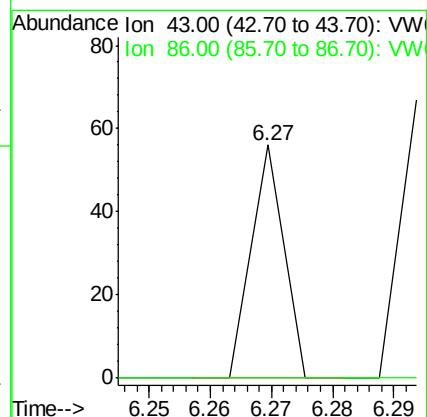
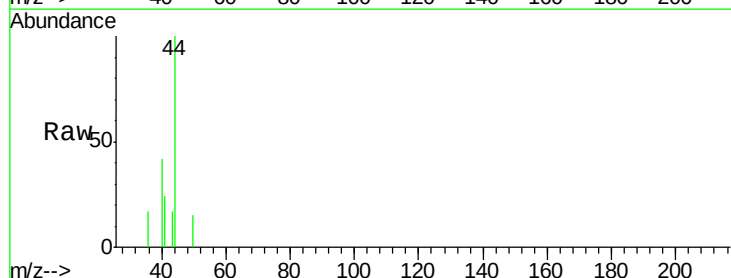
Acq: 03 Jul 2018 15:25

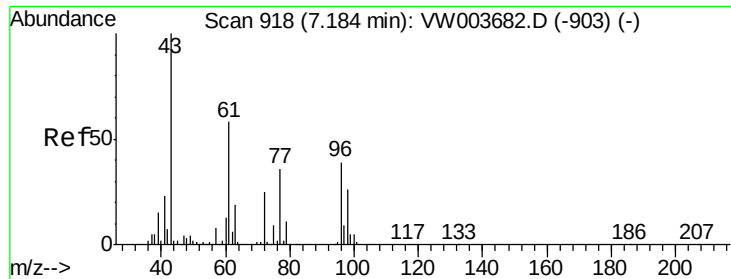
Tgt Ion: 43 Resp: 20

Ion Ratio Lower Upper

43 100

86 0.0 7.5 11.3#

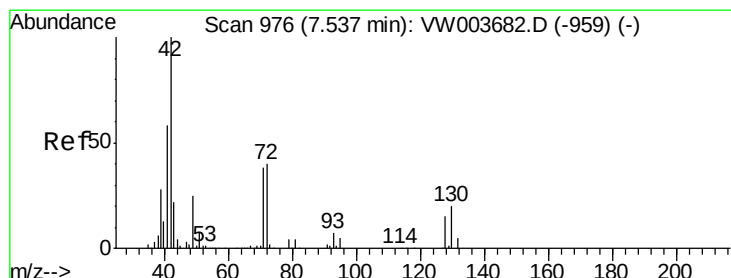
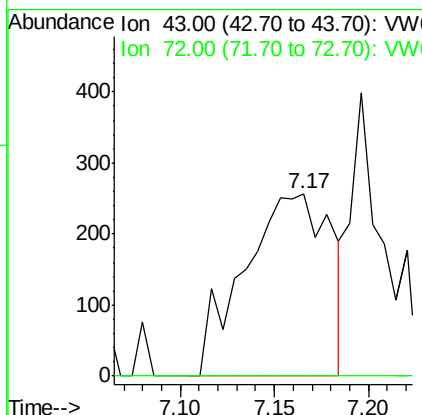
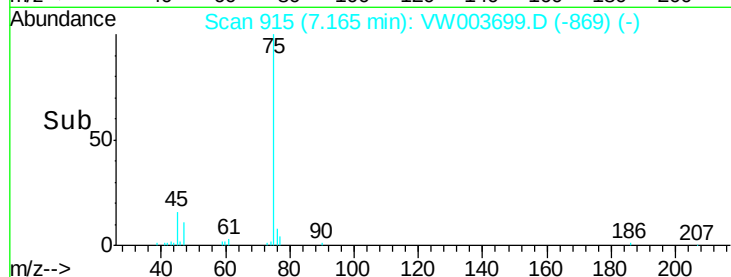
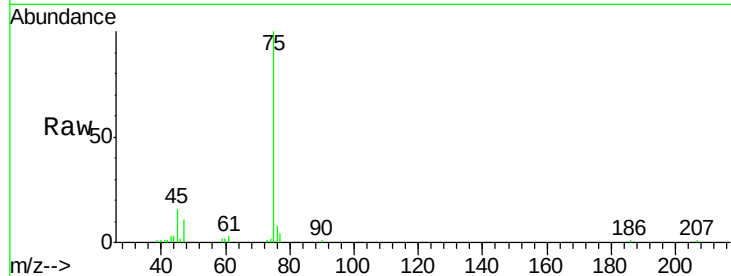




#25
2-Butanone
Concen: 1.284 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.02 min
Lab File: VW003699.D
Acq: 03 Jul 2018 15:25

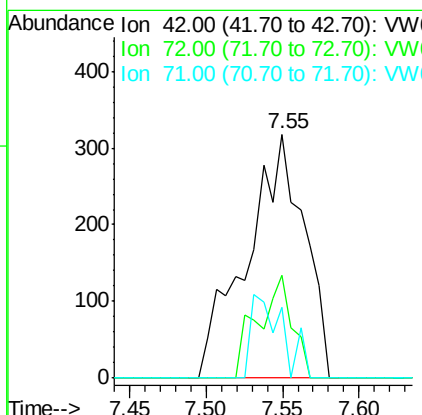
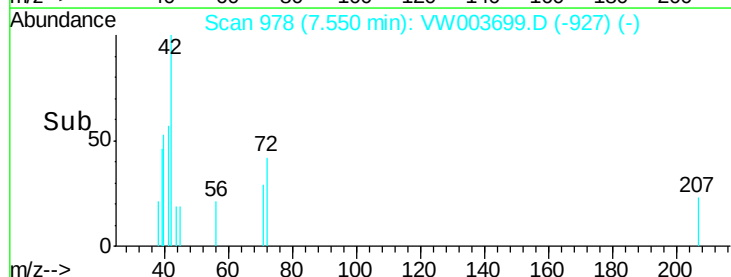
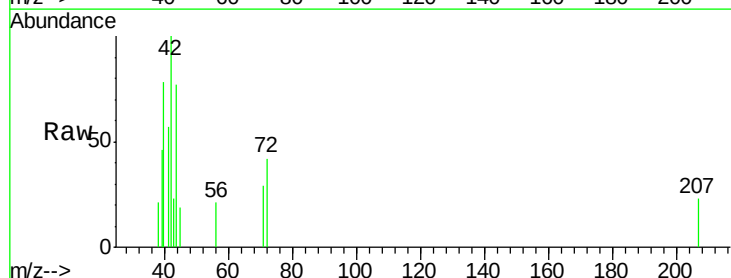
Instrument :
MSVOA_W
ClientSampled :
CL-01-062918-C

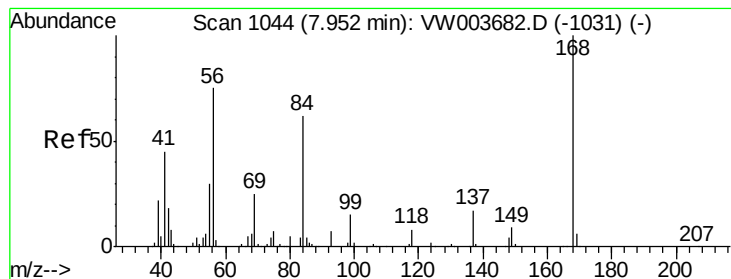
Tgt Ion: 43 Resp: 819
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#



#29
Tetrahydrofuran
Concen: 2.167 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.01 min
Lab File: VW003699.D
Acq: 03 Jul 2018 15:25

Tgt Ion: 42 Resp: 829
Ion Ratio Lower Upper
42 100
72 25.5 32.0 48.0#
71 18.7 30.2 45.2#





#31

Cyclohexane

Concen: 1.516 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.01 min

Lab File: VW003699.D

Acq: 03 Jul 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

CL-01-062918-C

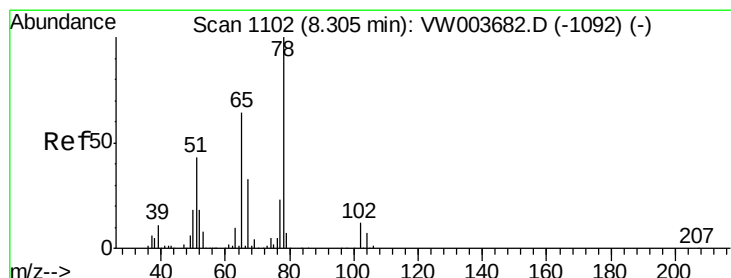
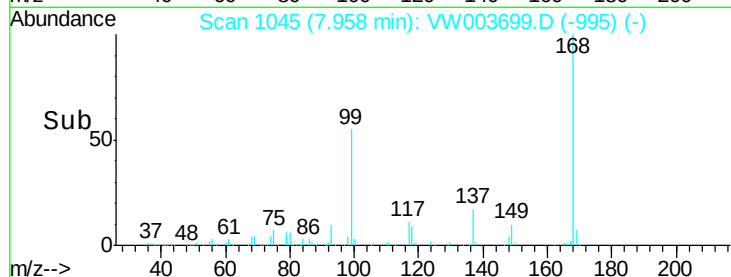
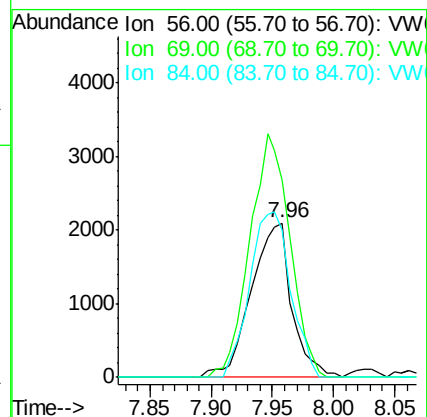
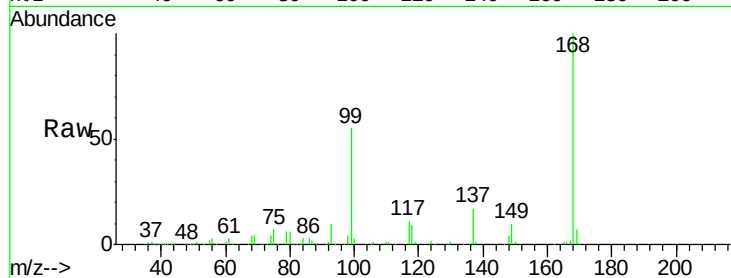
Tgt Ion: 56 Resp: 4837

Ion Ratio Lower Upper

56 100

69 127.8 27.0 40.4#

84 95.7 65.4 98.0



#33

1,2-Dichloroethane-d4

Concen: 48.709 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003699.D

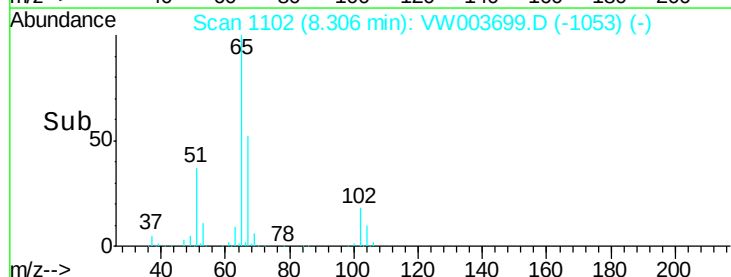
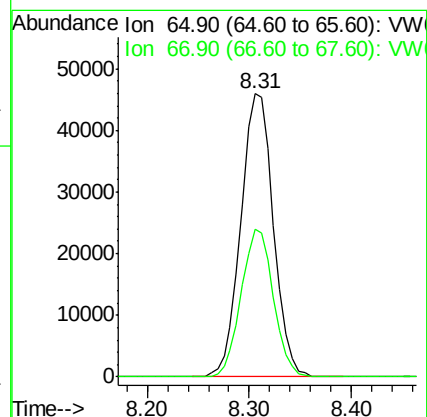
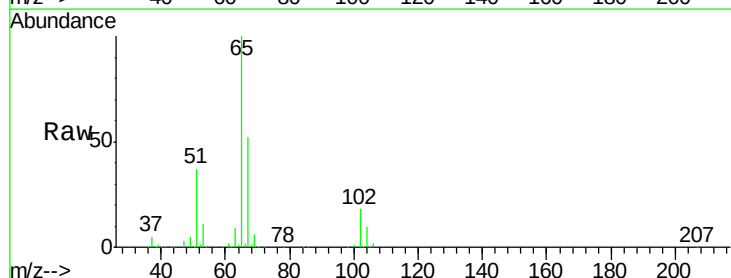
Acq: 03 Jul 2018 15:25

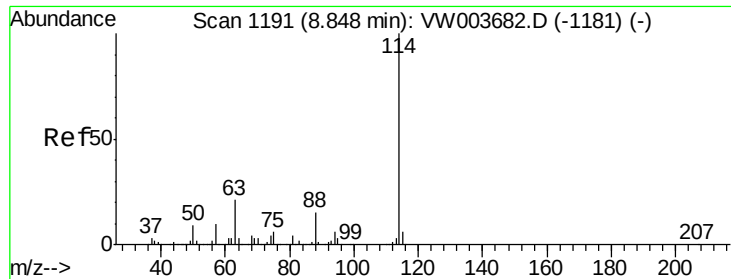
Tgt Ion: 65 Resp: 101684

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.0

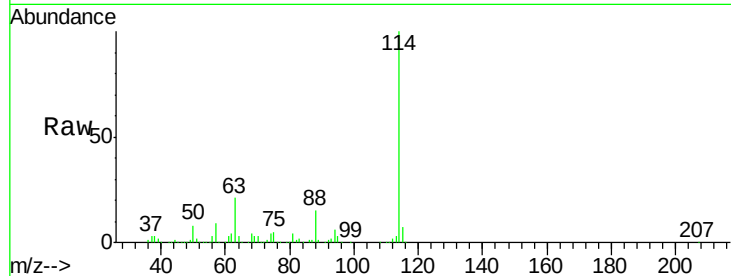




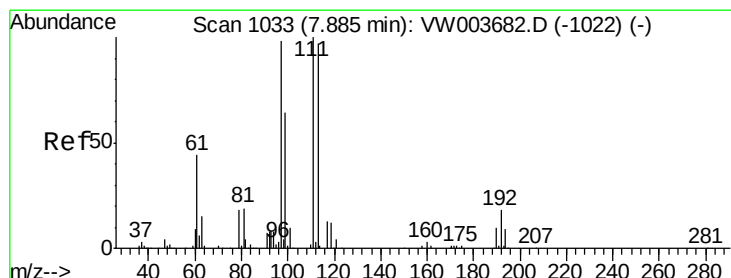
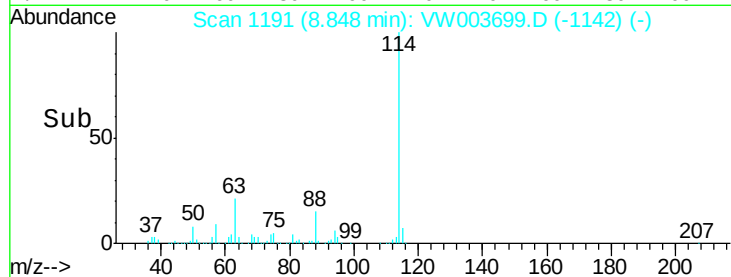
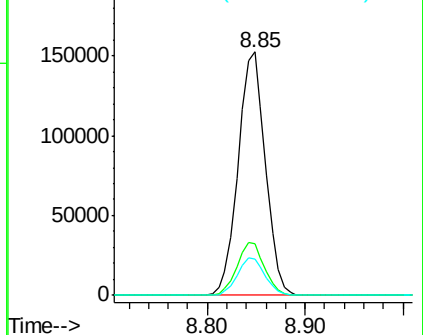
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003699.D
 Acq: 03 Jul 2018 15:25

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

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.6
88	14.8	0.0	29.8

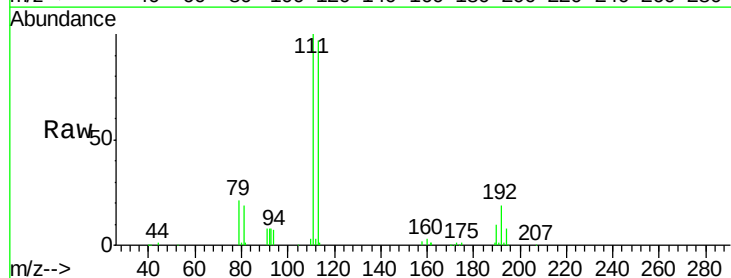


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

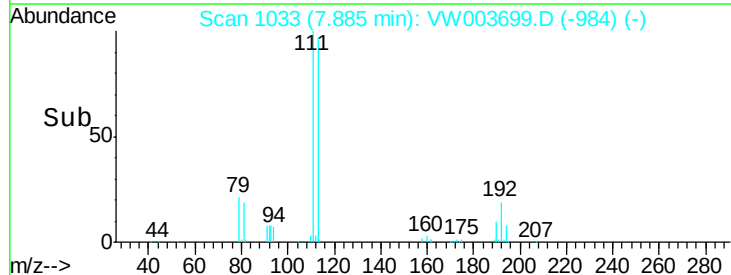
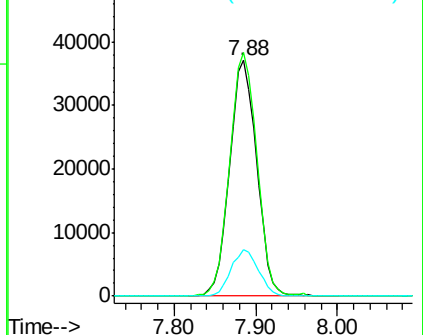


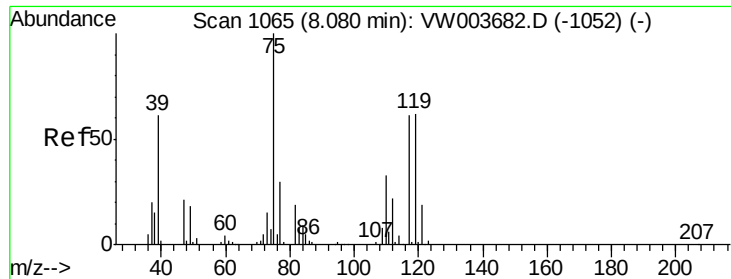
#35
 Dibromofluoromethane
 Concen: 44.410 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003699.D
 Acq: 03 Jul 2018 15:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.4	123.6
192	20.0	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

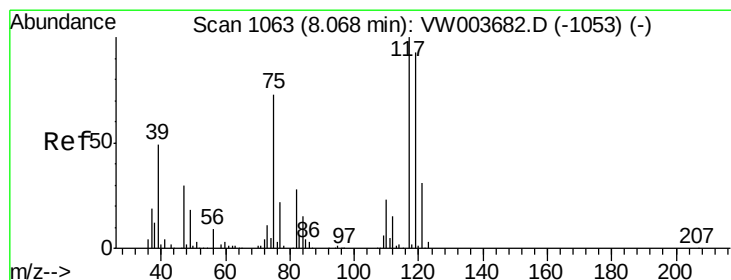
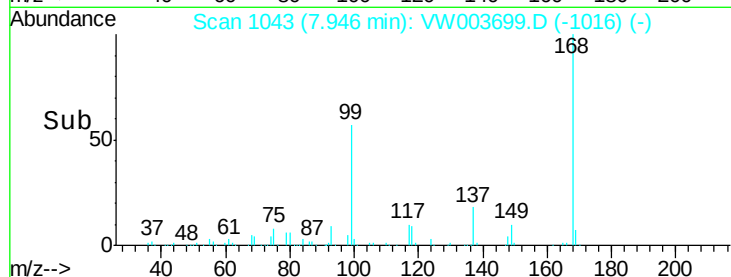
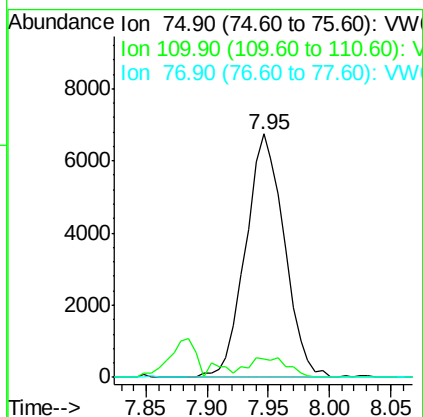
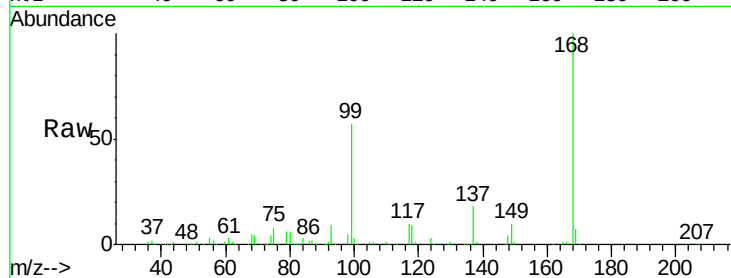




#36
 1,1-Dichloropropene
 Concen: 5.036 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003699.D
 Acq: 03 Jul 2018 15:25

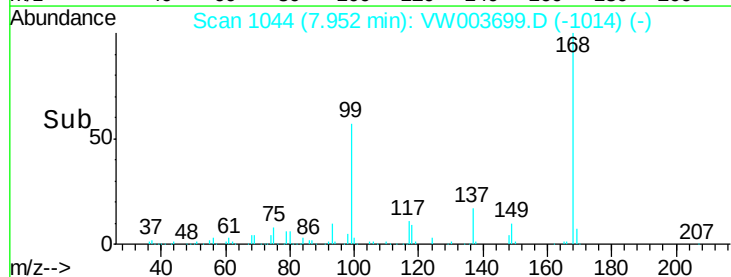
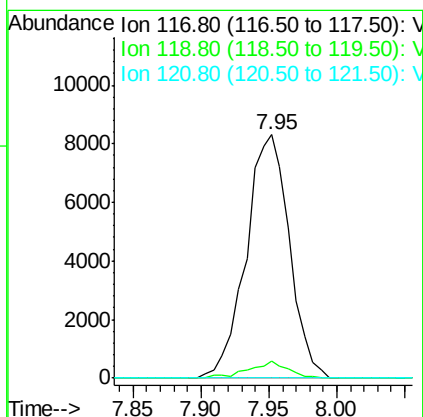
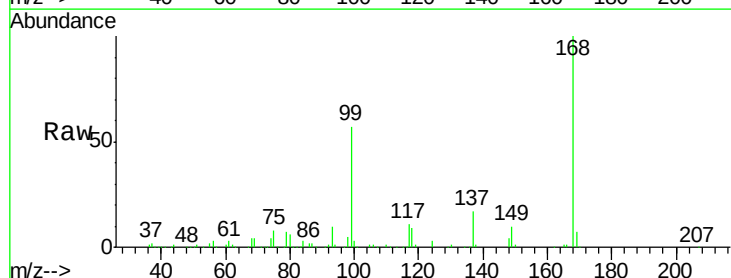
Instrument :
 MSVOA_W
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 CL-01-062918-C

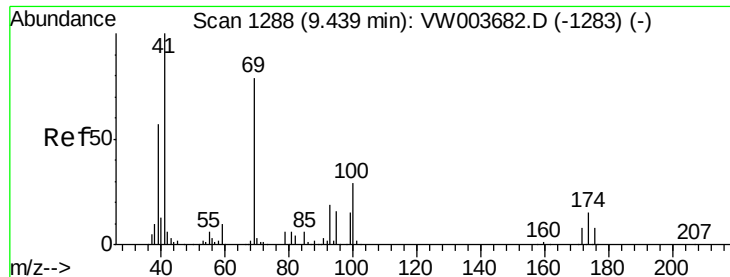
Tgt Ion: 75 Resp: 14839
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.576 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003699.D
 Acq: 03 Jul 2018 15:25

Tgt Ion: 117 Resp: 18432
 Ion Ratio Lower Upper
 117 100
 119 7.1 74.1 111.1#
 121 0.0 25.0 37.4#

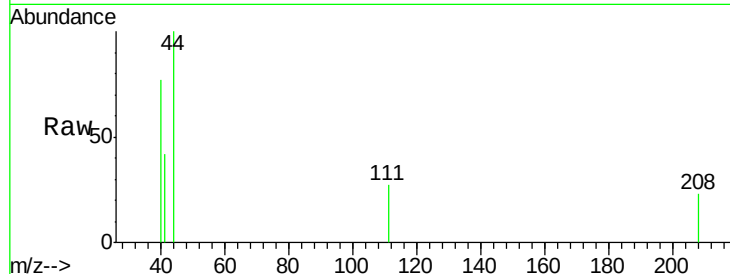




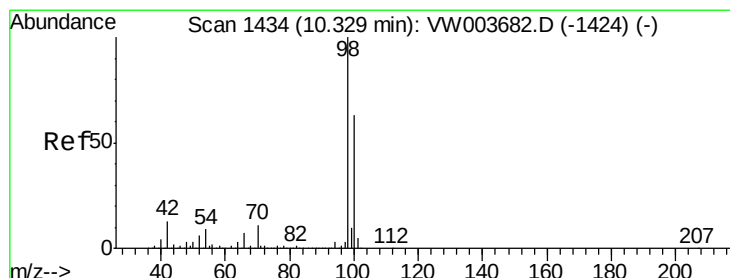
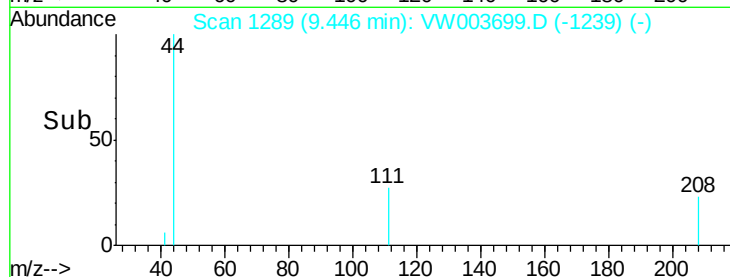
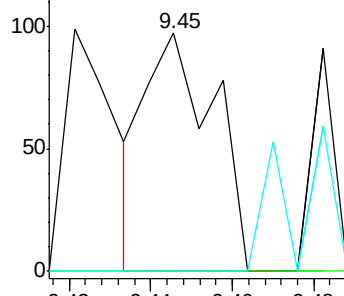
#48
Methyl methacrylate
Concen: 3.438 ug/l
RT: 9.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VW003699.D
Acq: 03 Jul 2018 15:25

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

Tgt Ion: 41 Resp: 113
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 0.0 50.0 75.0#

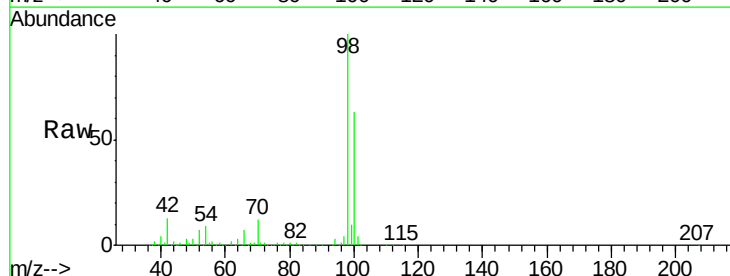


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

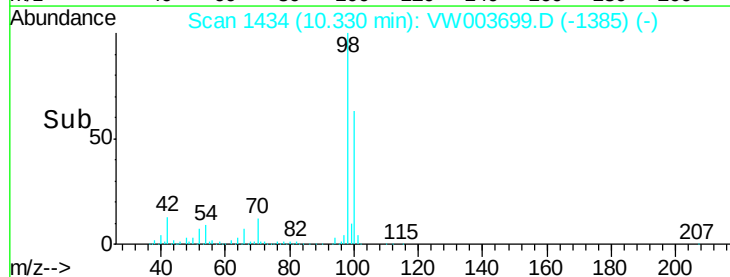
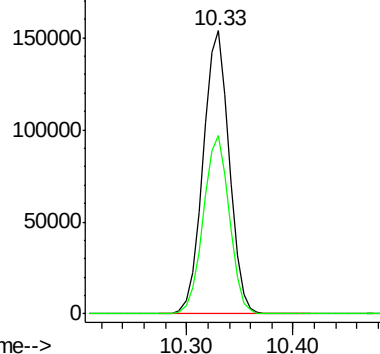


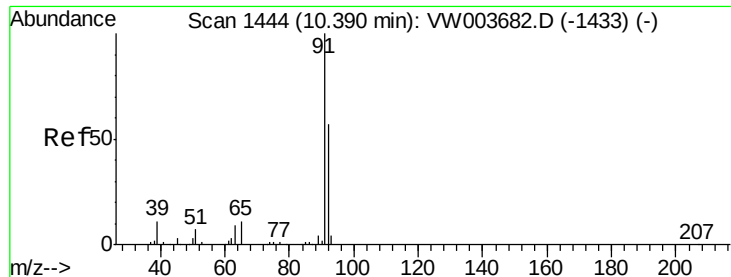
#50
Toluene-d8
Concen: 35.225 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003699.D
Acq: 03 Jul 2018 15:25

Tgt Ion: 98 Resp: 264715
Ion Ratio Lower Upper
98 100
100 62.8 50.8 76.2



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





#52

Toluene

Concen: 1.643 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003699.D

Acq: 03 Jul 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

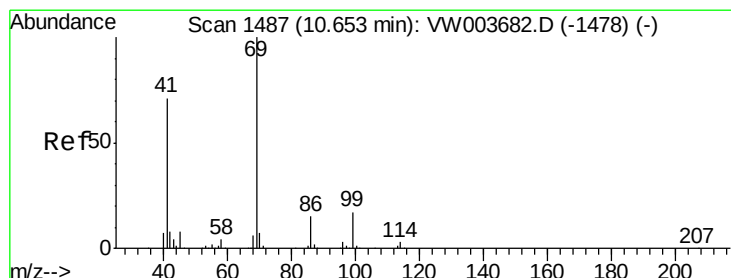
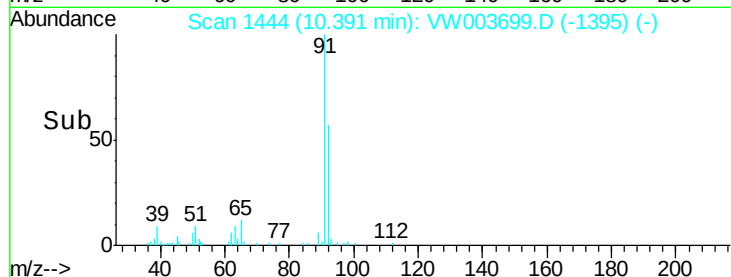
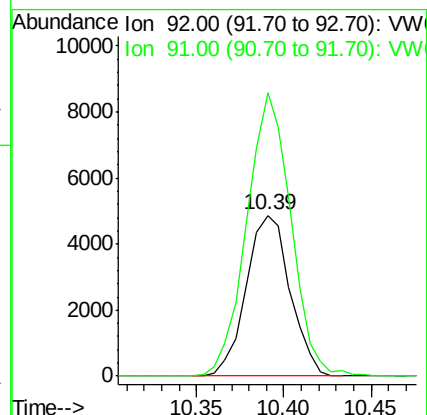
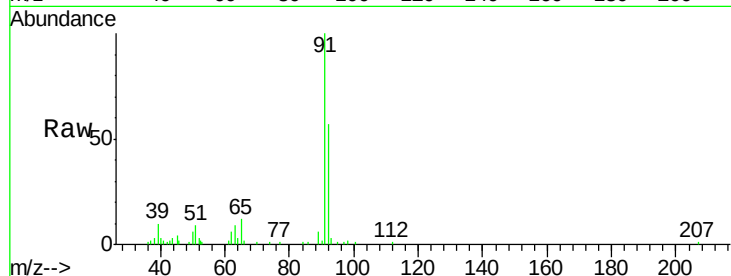
CL-01-062918-C

Tgt Ion: 92 Resp: 8491

Ion Ratio Lower Upper

92 100

91 177.3 140.2 210.2



#56

Ethyl methacrylate

Concen: 3.658 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW003699.D

Acq: 03 Jul 2018 15:25

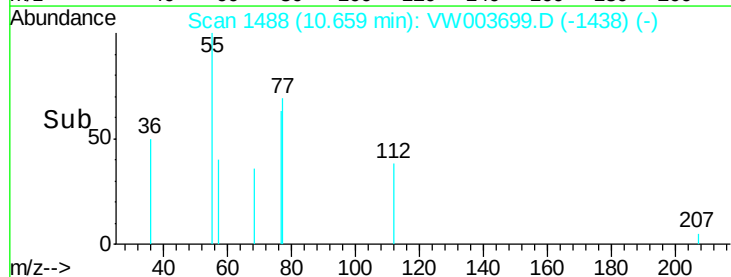
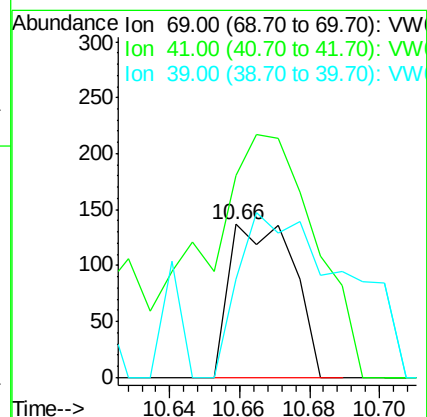
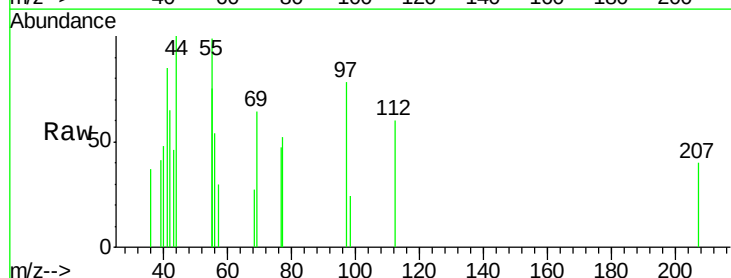
Tgt Ion: 69 Resp: 176

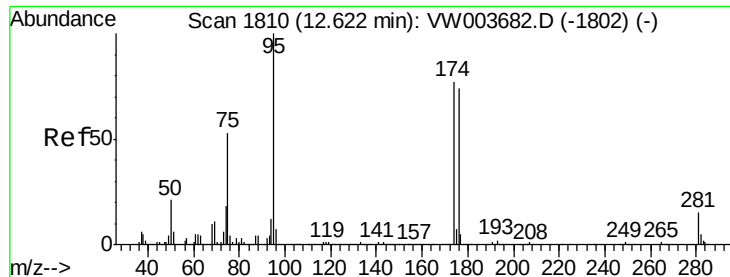
Ion Ratio Lower Upper

69 100

41 265.9 57.5 86.3#

39 178.4 29.4 44.0#

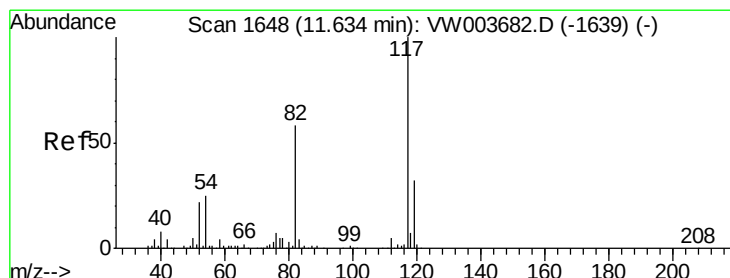
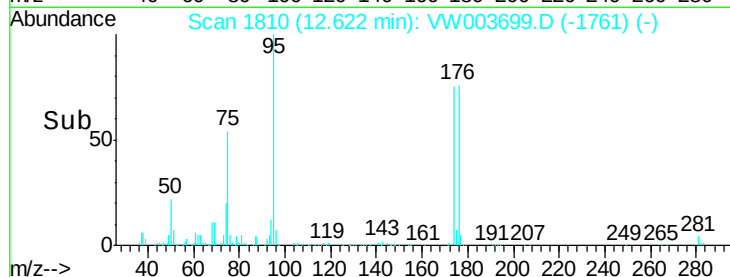
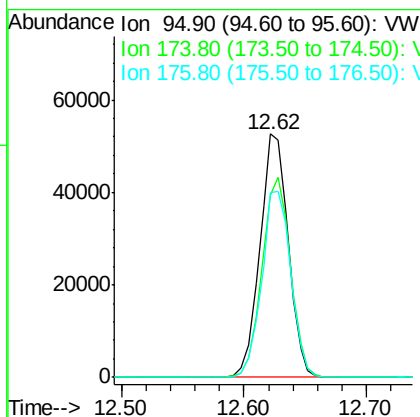
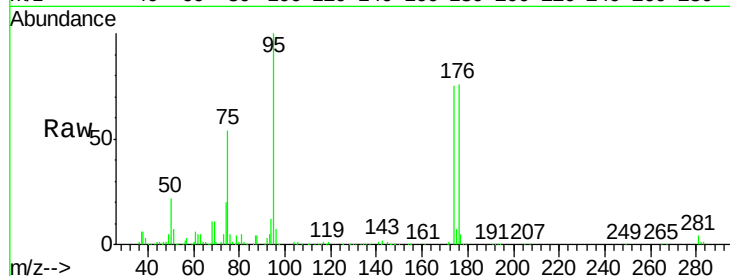




#62
4-Bromofluorobenzene
Concen: 31.426 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW003699.D
Acq: 03 Jul 2018 15:25

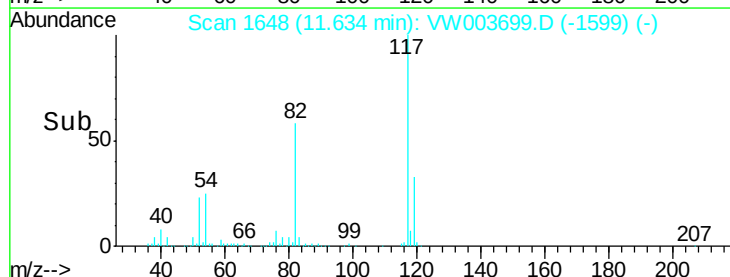
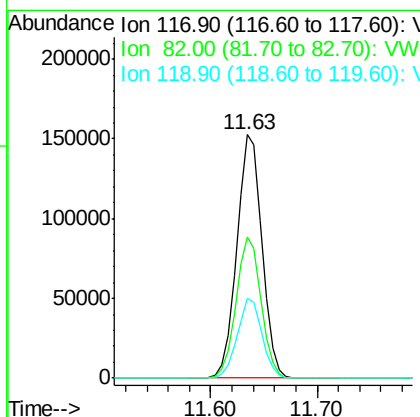
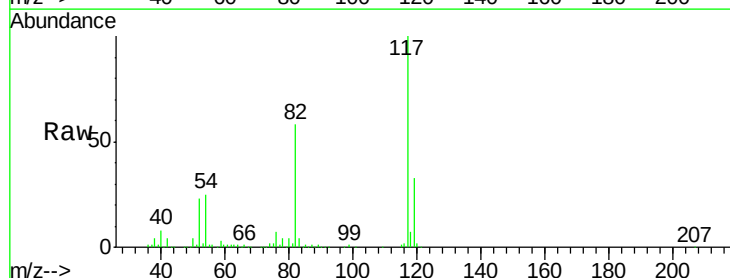
Instrument :
MSVOA_W
ClientSampleId :
CL-01-062918-C

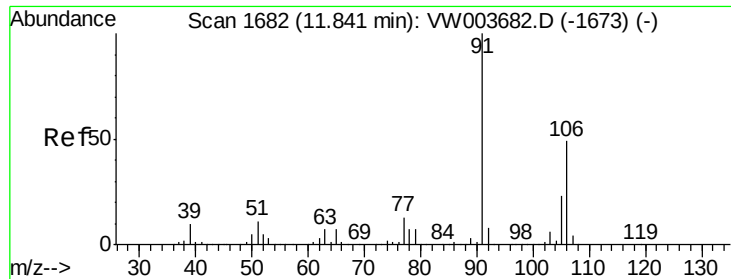
Tgt Ion: 95 Resp: 84845
Ion Ratio Lower Upper
95 100
174 82.4 0.0 161.2
176 78.5 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003699.D
Acq: 03 Jul 2018 15:25

Tgt Ion: 117 Resp: 252660
Ion Ratio Lower Upper
117 100
82 57.8 46.0 69.0
119 32.9 25.4 38.0

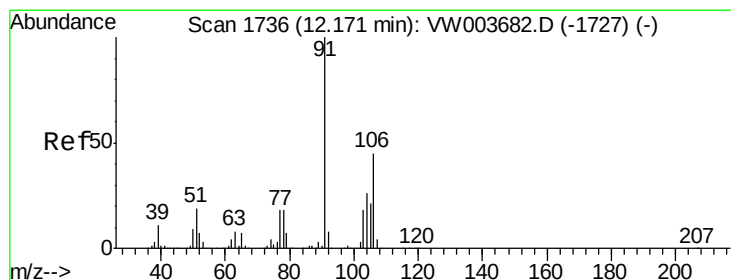
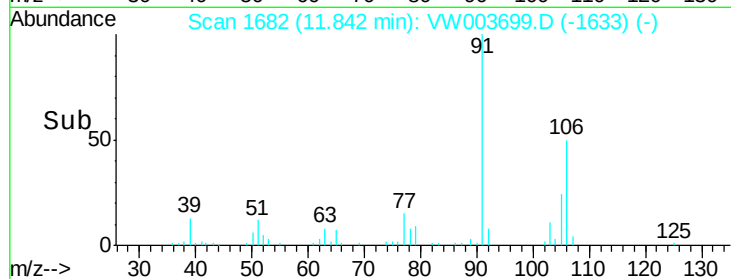
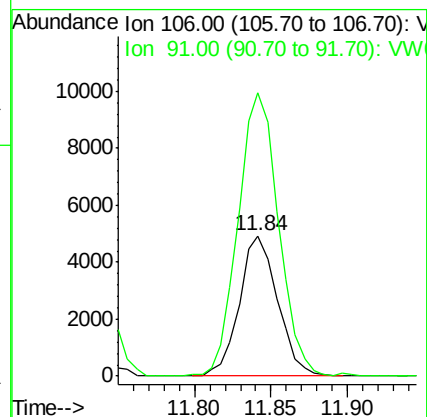
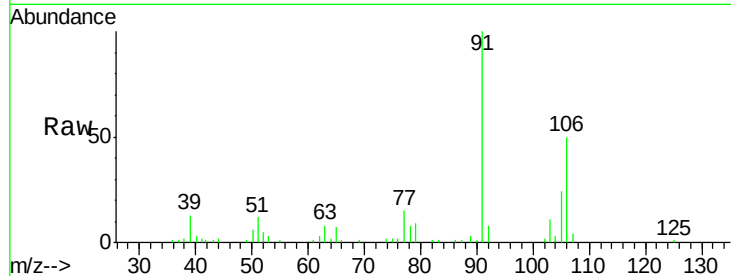




#68
m/p-Xylenes
Concen: 2.412 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW003699.D
Acq: 03 Jul 2018 15:25

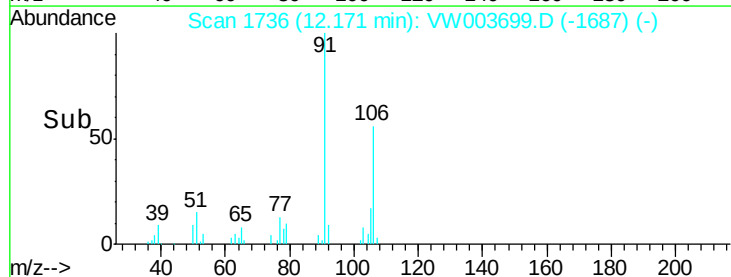
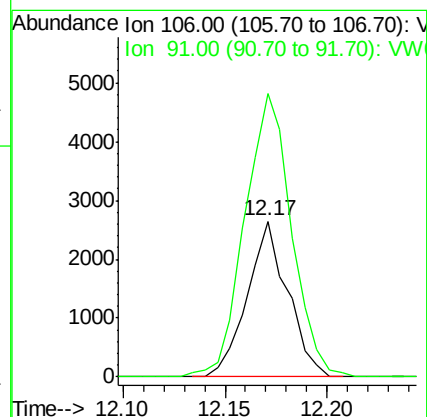
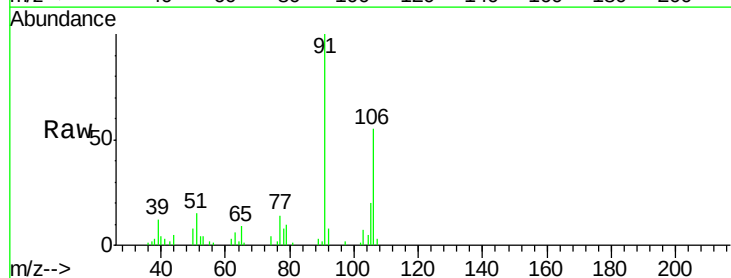
Instrument :
MSVOA_W
ClientSampleId :
CL-01-062918-C

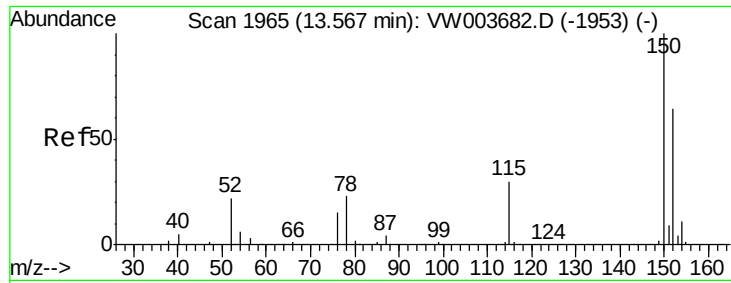
Tgt Ion:106 Resp: 8538
Ion Ratio Lower Upper
106 100
91 213.7 163.7 245.5



#69
o-Xylene
Concen: 1.109 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003699.D
Acq: 03 Jul 2018 15:25

Tgt Ion:106 Resp: 3629
Ion Ratio Lower Upper
106 100
91 210.9 109.3 327.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003699.D

Acq: 03 Jul 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

CL-01-062918-C

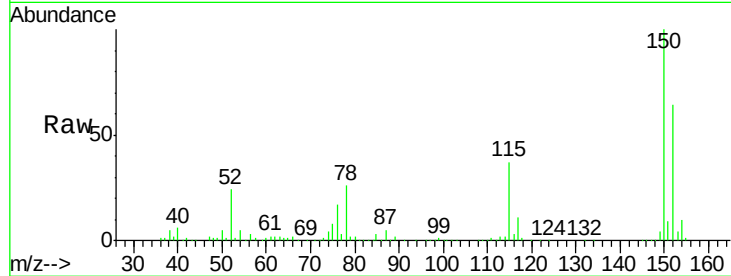
Tgt Ion:152 Resp: 99574

Ion Ratio Lower Upper

152 100

115 58.3 29.3 88.0

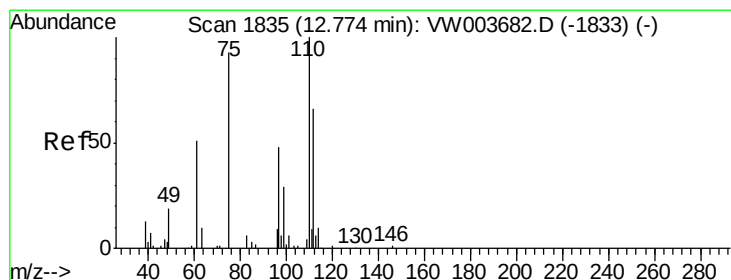
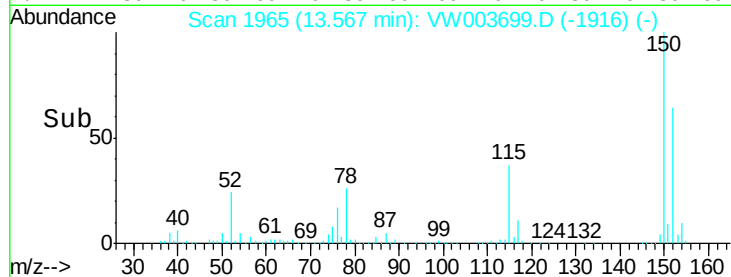
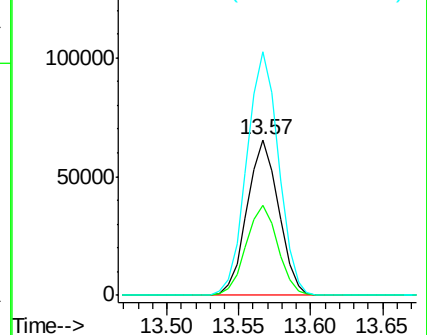
150 157.7 0.0 352.0



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: 50.991 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003699.D

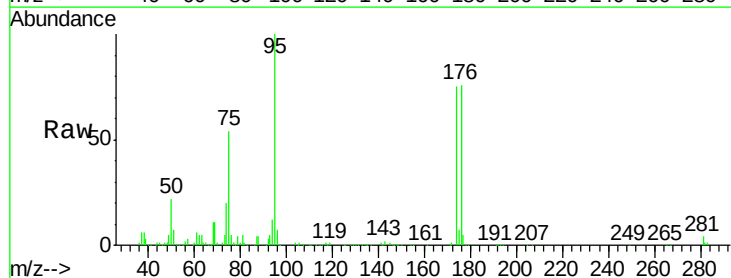
Acq: 03 Jul 2018 15:25

Tgt Ion: 75 Resp: 45653

Ion Ratio Lower Upper

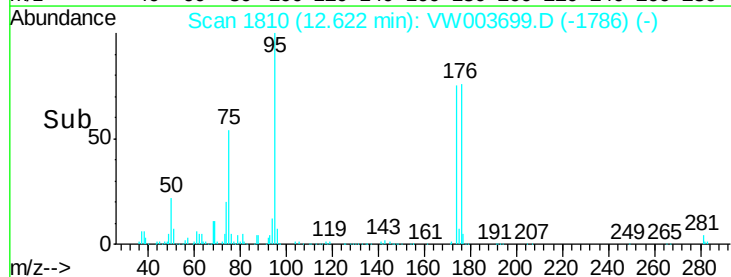
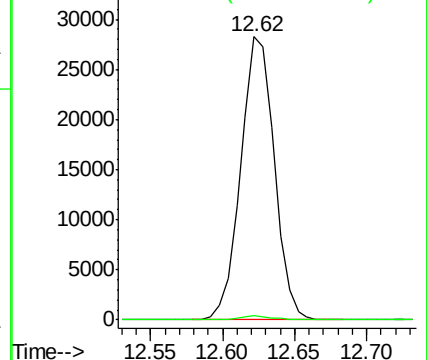
75 100

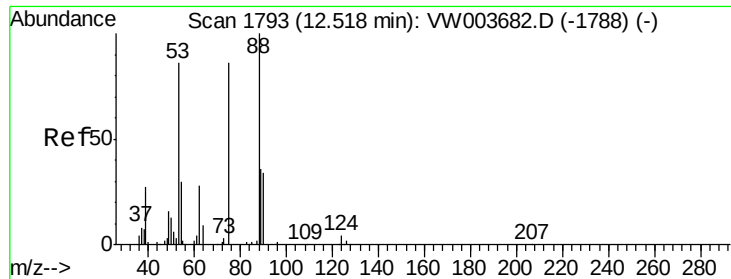
77 1.4 0.0 0.0#



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: 108.047 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003699.D

Acq: 03 Jul 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

CL-01-062918-C

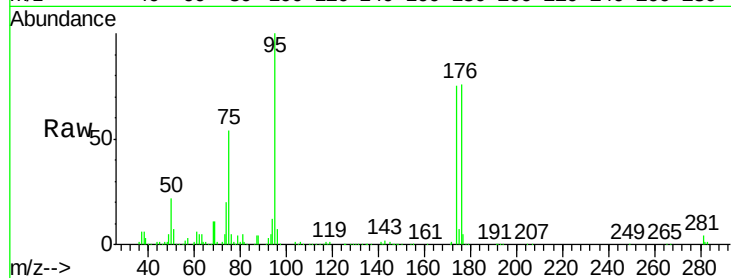
Tgt Ion: 75 Resp: 45653

Ion Ratio Lower Upper

75 100

53 0.3 82.4 123.6#

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

