

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000953.D
 Acq On : 24 Jan 2018 17:49
 Operator : JC/SY
 Sample : J1015-16RE
 Misc : 5.29G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-012218-CRE

Quant Time: Jan 25 04:43:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	6738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	9631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	8760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	2593	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	4033	62.45	ug/l	0.00
Spiked Amount			Recovery	=	124.90%	
35) Dibromofluoromethane	7.89	113	678	11.49	ug/l	0.00
Spiked Amount			Recovery	=	22.98%	
50) Toluene-d8	10.34	98	10334	44.43	ug/l	0.00
Spiked Amount			Recovery	=	88.86%	
62) 4-Bromofluorobenzene	12.63	95	3184	37.59	ug/l	0.00
Spiked Amount			Recovery	=	75.18%	

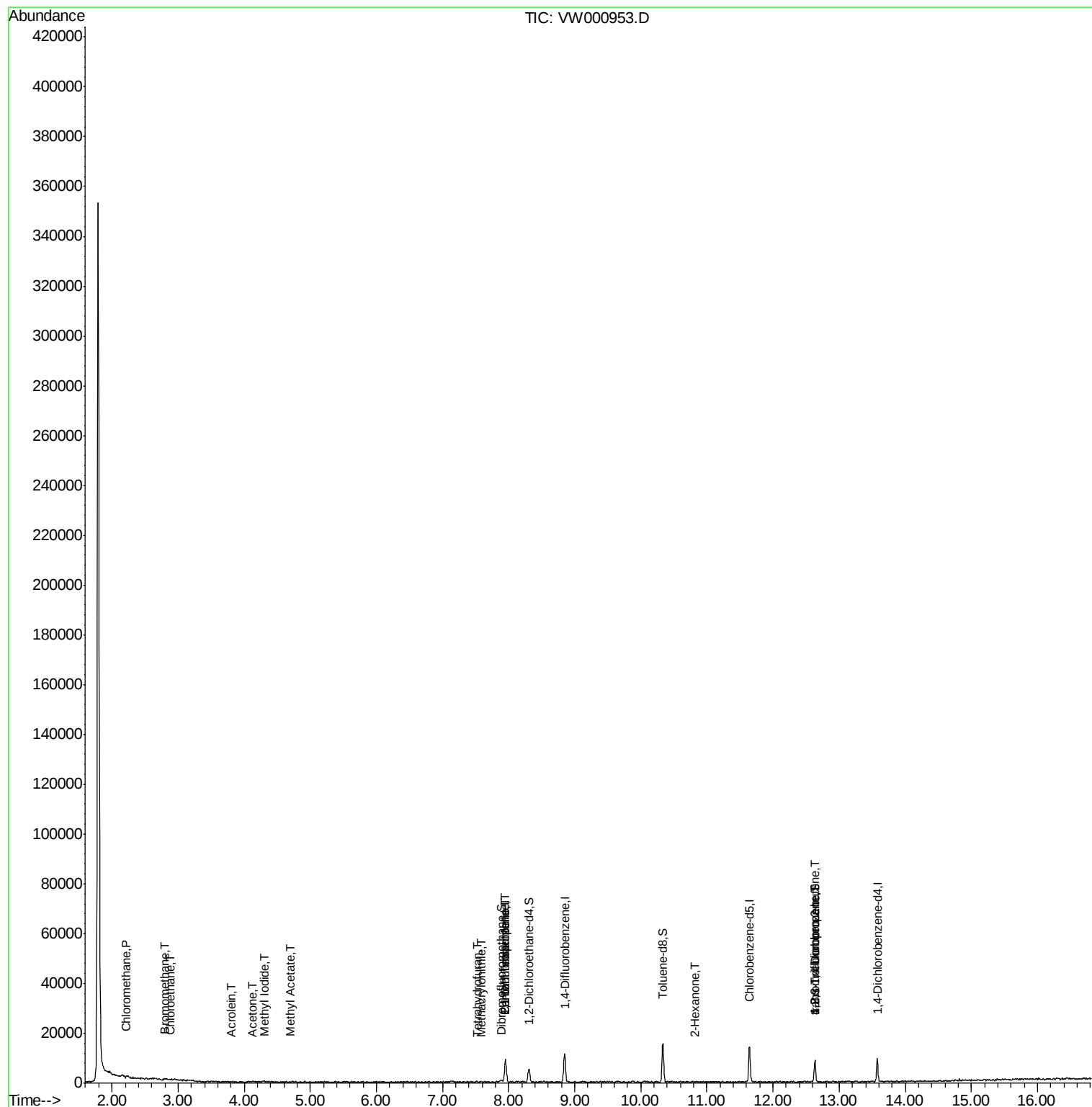
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.22	50	166	2.89	ug/l #	2
5) Bromomethane	2.81	94	359	9.02	ug/l #	48
6) Chloroethane	2.89	64	48	1.62	ug/l #	42
10) Methyl Iodide	4.30	142	601	12.91	ug/l #	91
13) Acrolein	3.80	56	23	3.36	ug/l #	15
16) Acetone	4.12	43	189	24.19	ug/l #	44
18) Methyl Acetate	4.70	43	53	1.12	ug/l #	49
20) Methylene Chloride	4.91	84	19	Below Cal	#	1
29) Tetrahydrofuran	7.53	42	26	1.65	ug/l #	31
36) 1,1-Dichloropropene	7.95	75	517	5.63	ug/l #	40
38) Carbon Tetrachloride	7.95	117	671	6.62	ug/l #	12
41) Methacrylonitrile	7.58	41	69	2.37	ug/l #	32
59) 2-Hexanone	10.82	43	19	15.08	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	1357	45.23	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	1357	107.70	ug/l #	10

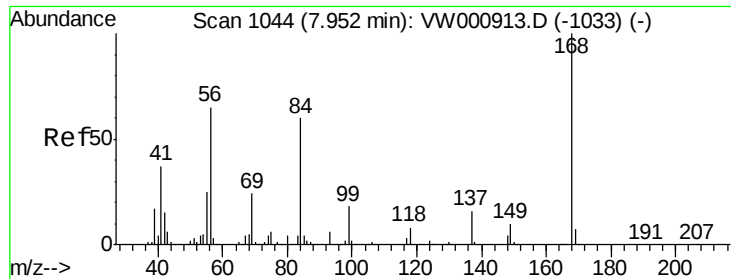
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 23 13:31:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000953.D

Acq: 24 Jan 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

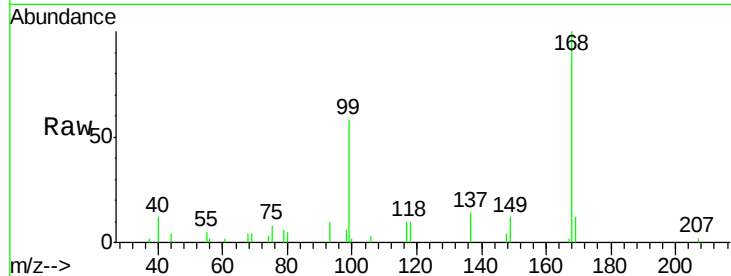
CL-01-012218-CRE

Tgt Ion:168 Resp: 6738

Ion Ratio Lower Upper

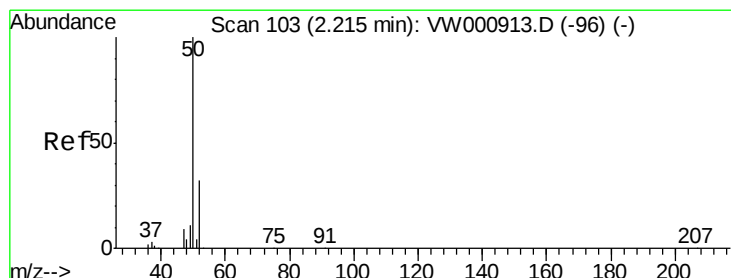
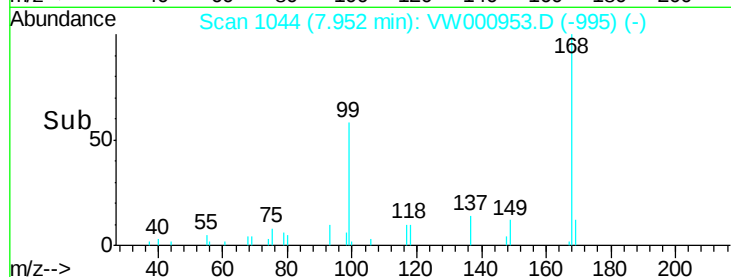
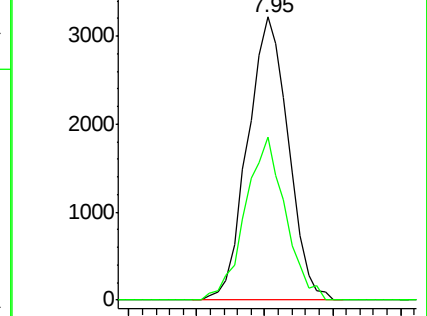
168 100

99 57.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 2.89 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW000953.D

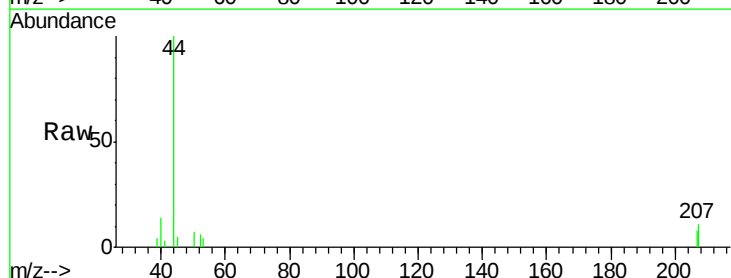
Acq: 24 Jan 2018 17:49

Tgt Ion: 50 Resp: 166

Ion Ratio Lower Upper

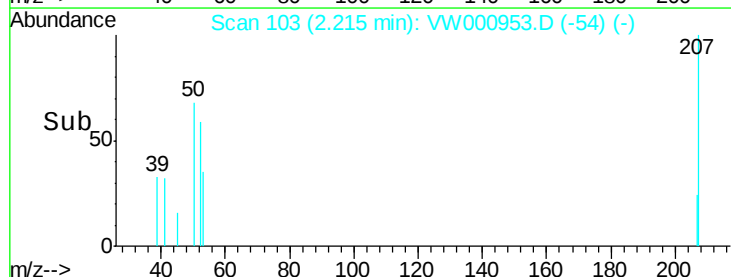
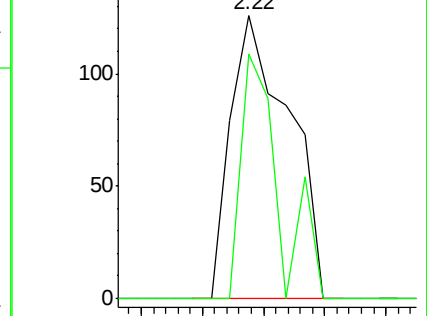
50 100

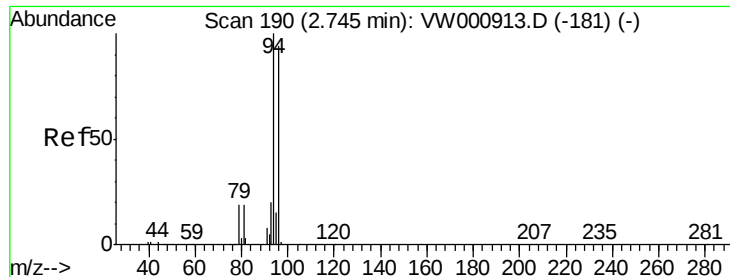
52 86.5 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#5

Bromomethane

Concen: 9.02 ug/l

RT: 2.81 min Scan# 201

Delta R.T. 0.07 min

Lab File: VW000953.D

Acq: 24 Jan 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

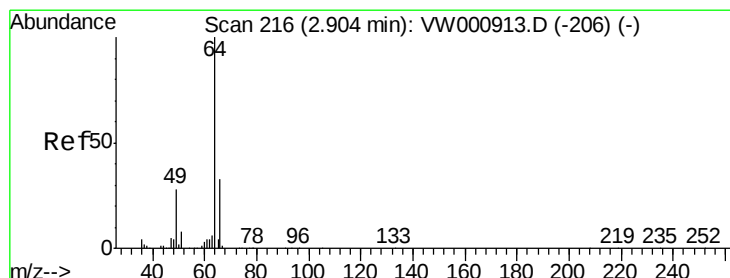
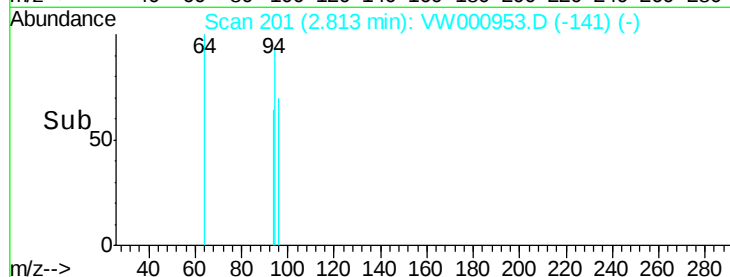
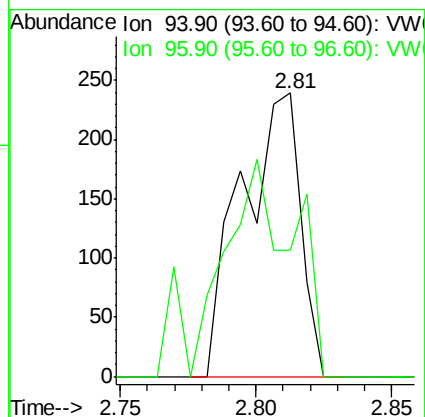
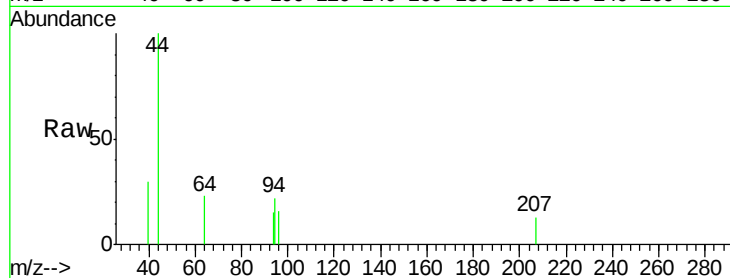
CL-01-012218-CRE

Tgt Ion: 94 Resp: 359

Ion Ratio Lower Upper

94 100

96 44.4 75.5 113.3#



#6

Chloroethane

Concen: 1.62 ug/l

RT: 2.89 min Scan# 213

Delta R.T. -0.02 min

Lab File: VW000953.D

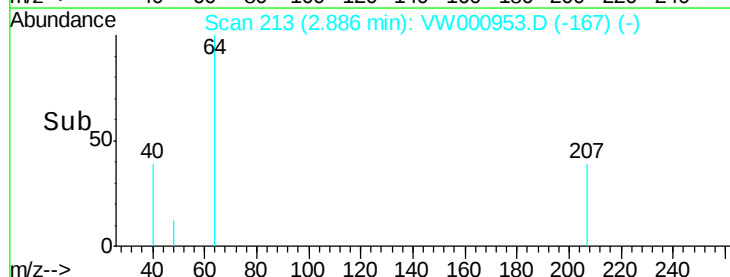
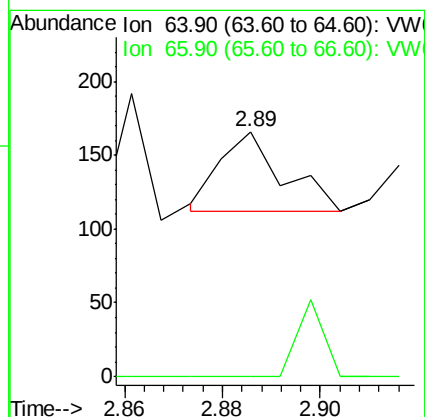
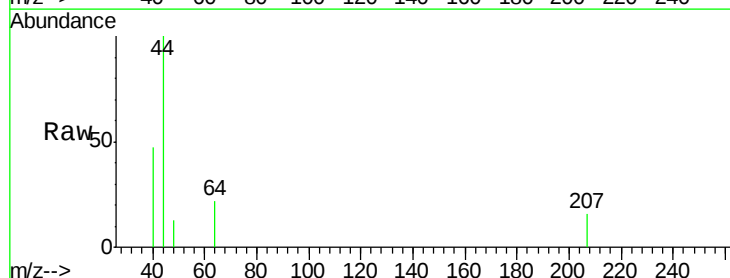
Acq: 24 Jan 2018 17:49

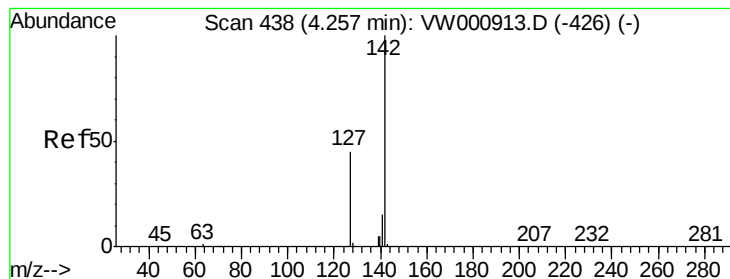
Tgt Ion: 64 Resp: 48

Ion Ratio Lower Upper

64 100

66 0.0 26.1 39.1#





#10

Methyl Iodide

Concen: 12.91 ug/l

RT: 4.30 min Scan# 445

Delta R.T. 0.04 min

Lab File: VW000953.D

Acq: 24 Jan 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

CL-01-012218-CRE

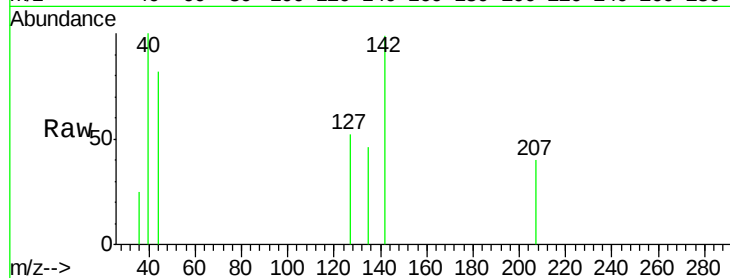
Tgt Ion: 142 Resp: 601

Ion Ratio Lower Upper

142 100

127 44.3 35.5 53.3

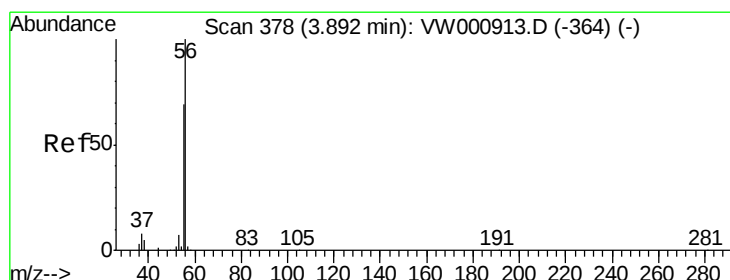
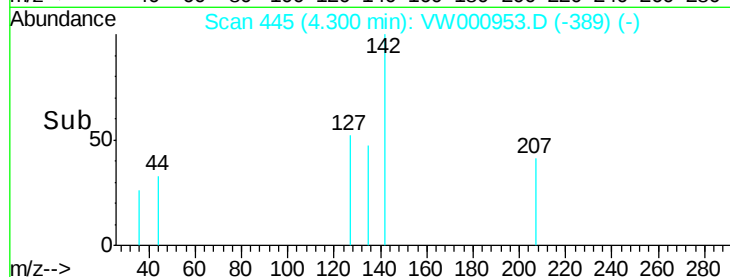
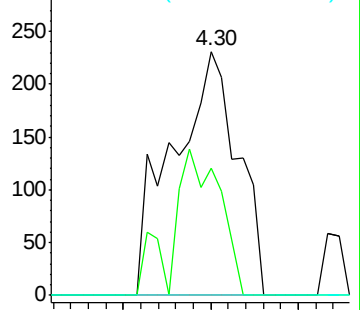
141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 3.36 ug/l

RT: 3.80 min Scan# 363

Delta R.T. -0.09 min

Lab File: VW000953.D

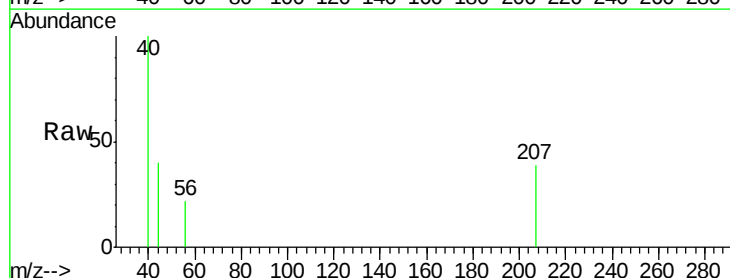
Acq: 24 Jan 2018 17:49

Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

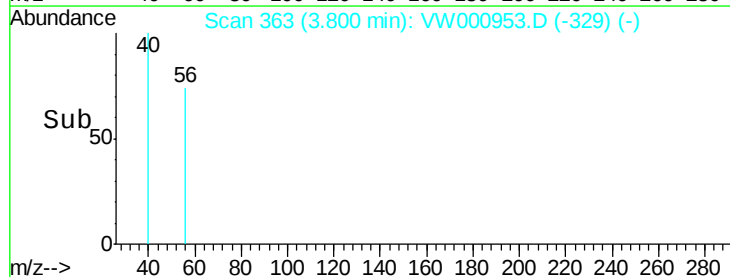
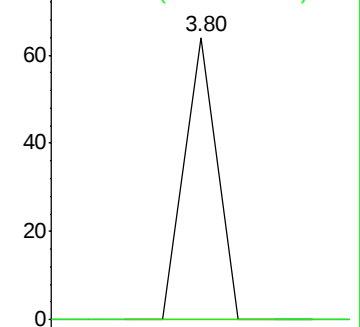
56 100

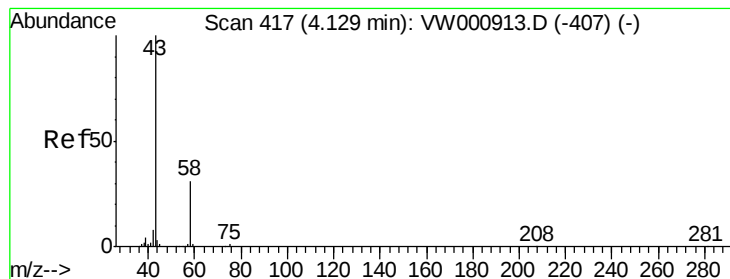
55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 24.19 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW000953.D

Acq: 24 Jan 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

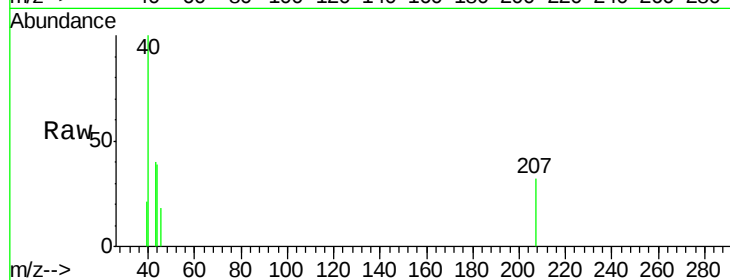
CL-01-012218-CRE

Tgt Ion: 43 Resp: 189

Ion Ratio Lower Upper

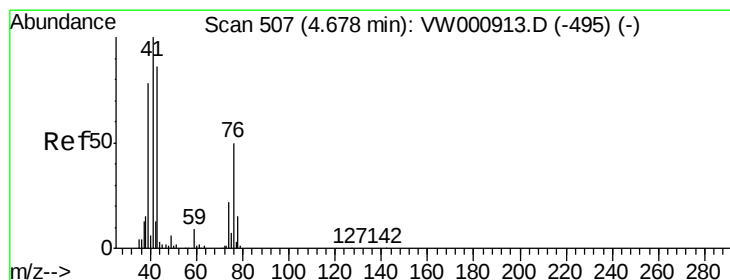
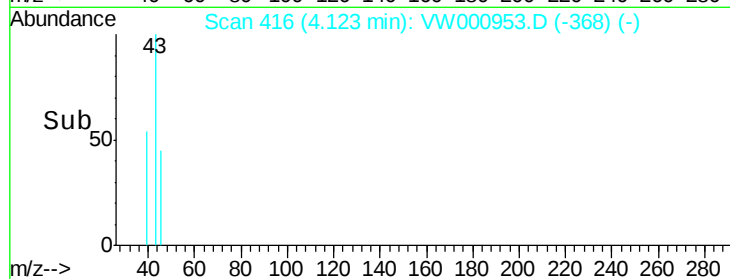
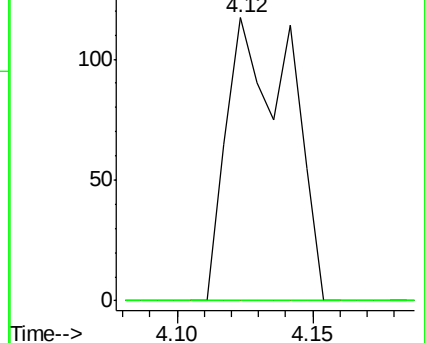
43 100

58 0.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.12 ug/l

RT: 4.70 min Scan# 510

Delta R.T. 0.02 min

Lab File: VW000953.D

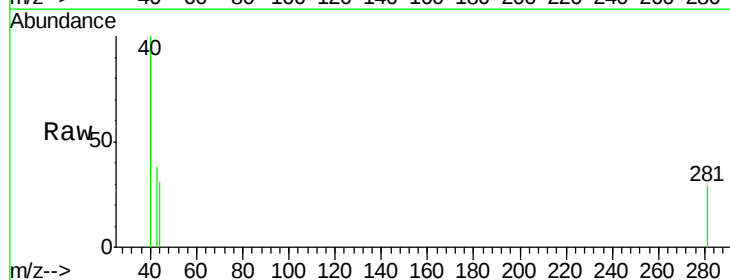
Acq: 24 Jan 2018 17:49

Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

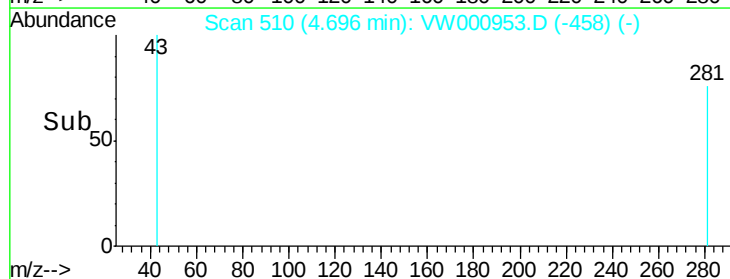
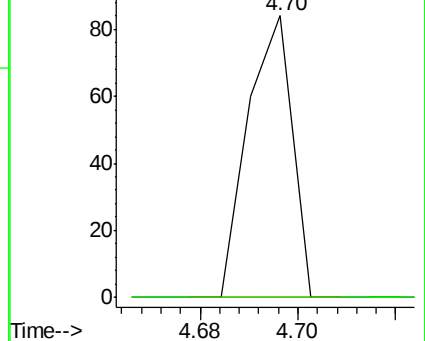
43 100

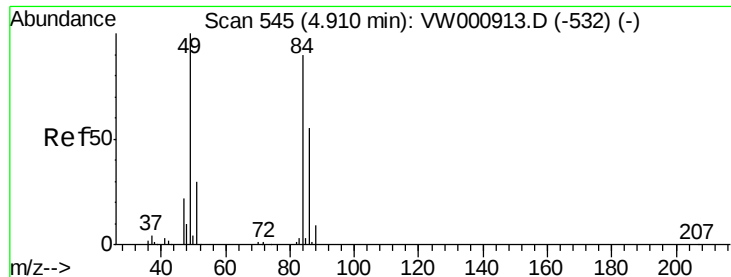
74 0.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW000953.D

Acq: 24 Jan 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

CL-01-012218-CRE

Tgt Ion: 84 Resp: 19

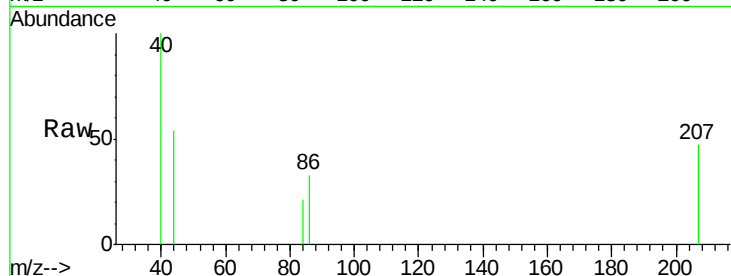
Ion Ratio Lower Upper

84 100

49 0.0 89.0 133.4#

51 0.0 26.7 40.1#

86 156.9 48.7 73.1#

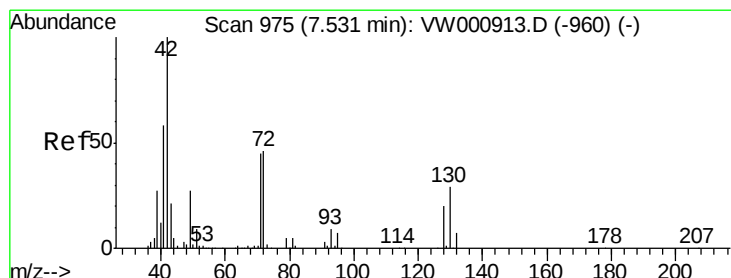
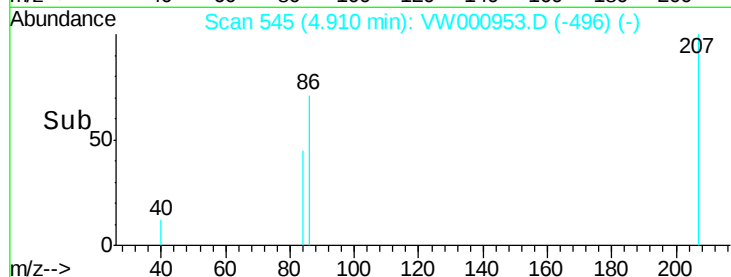
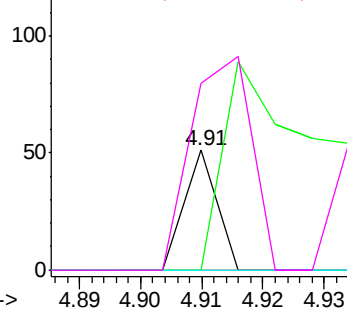


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29

Tetrahydrofuran

Concen: 1.65 ug/l

RT: 7.53 min Scan# 974

Delta R.T. -0.01 min

Lab File: VW000953.D

Acq: 24 Jan 2018 17:49

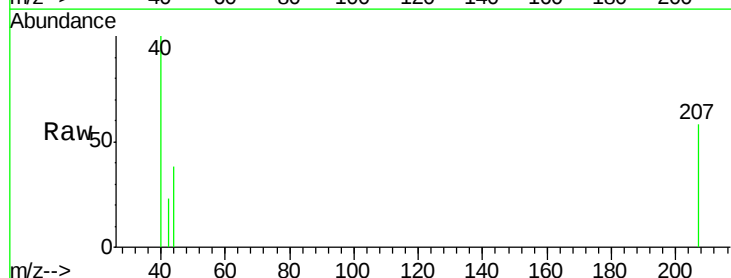
Tgt Ion: 42 Resp: 26

Ion Ratio Lower Upper

42 100

72 0.0 37.1 55.7#

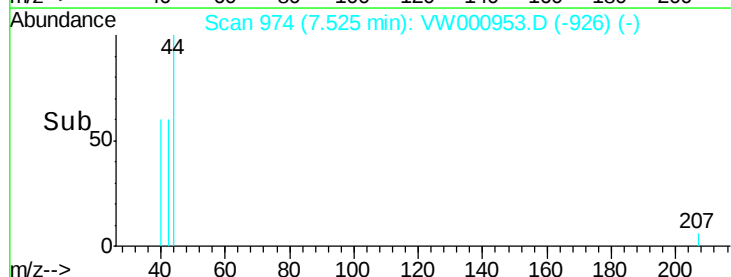
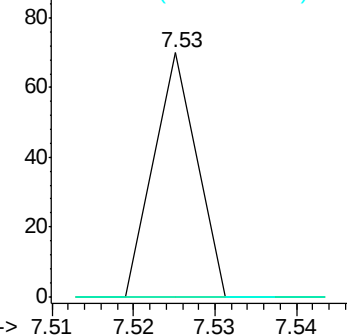
71 0.0 34.9 52.3#

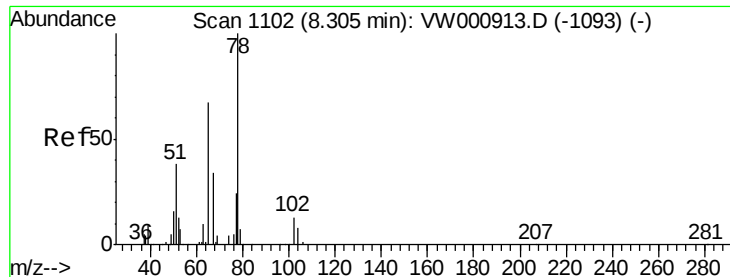


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#33

1,2-Dichloroethane-d4

Concen: 62.45 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW000953.D

Acq: 24 Jan 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

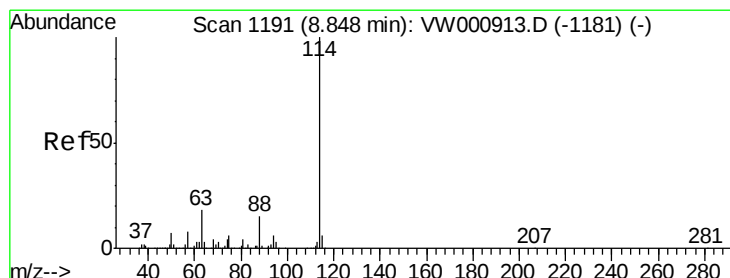
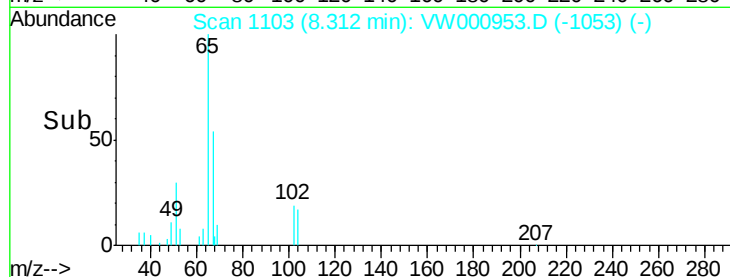
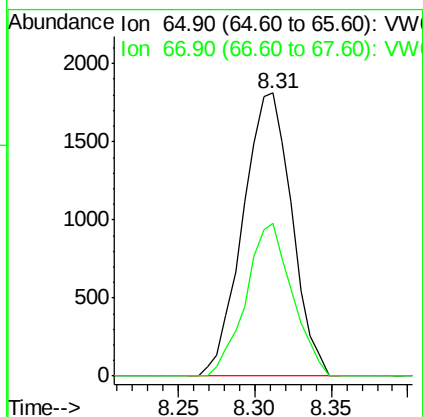
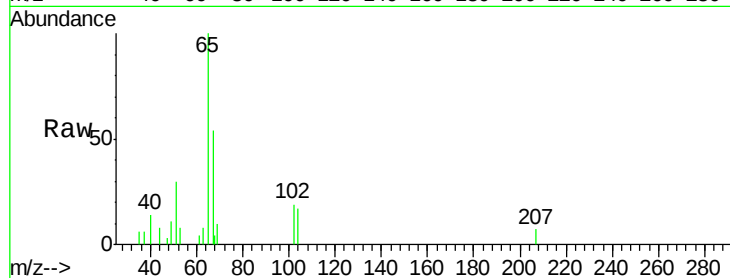
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Tgt Ion: 65 Resp: 4033

Ion Ratio Lower Upper

65 100

67 51.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW000953.D

Acq: 24 Jan 2018 17:49

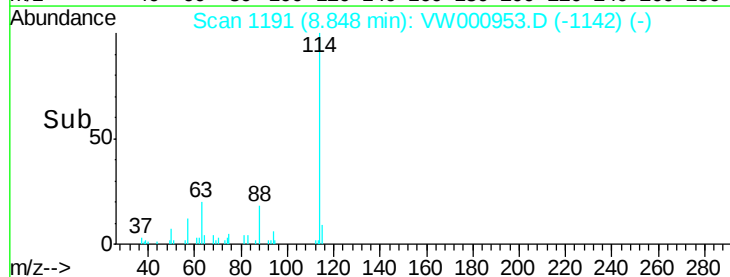
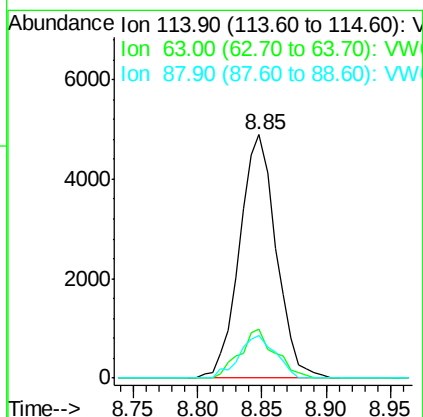
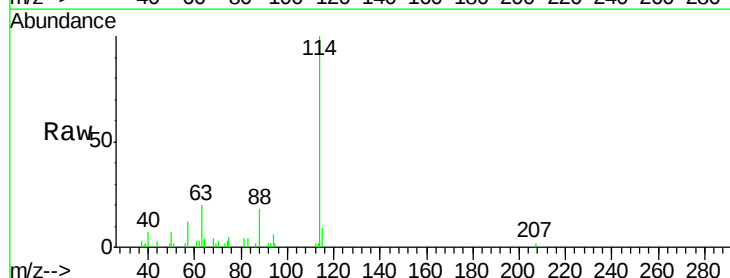
Tgt Ion: 114 Resp: 9631

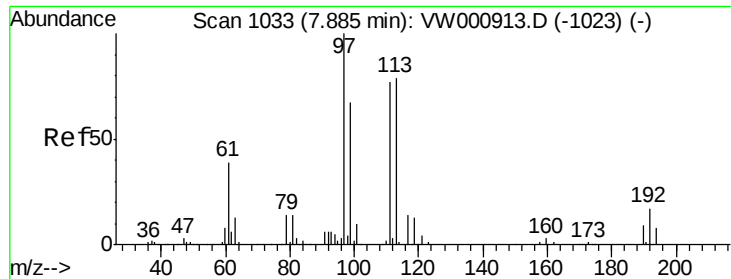
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.8

88 17.6 0.0 29.8

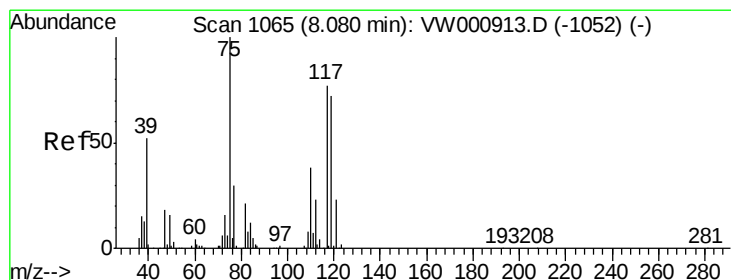
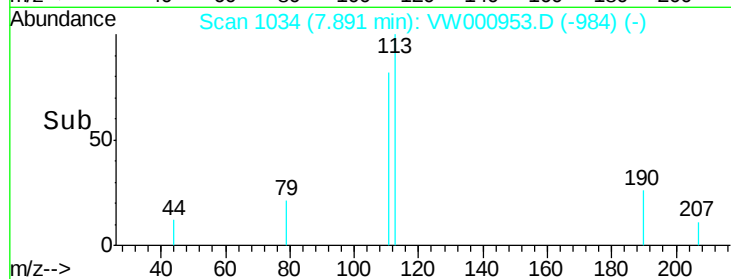
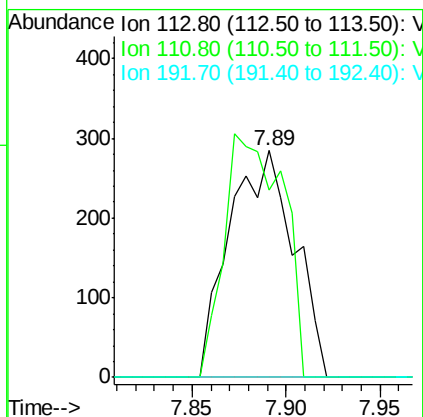
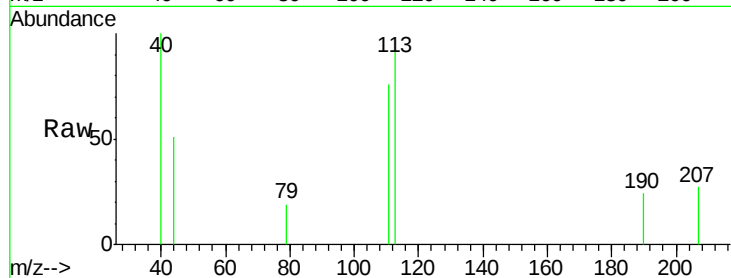




#35
 Dibromofluoromethane
 Concen: 11.49 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW000953.D
 Acq: 24 Jan 2018 17:49

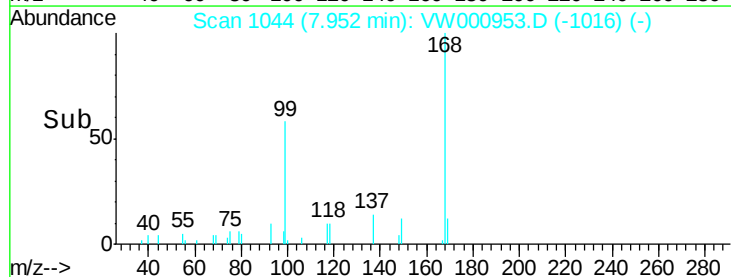
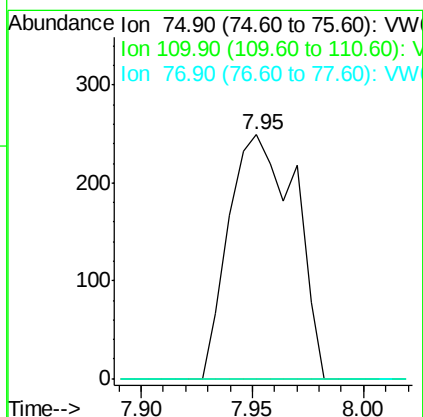
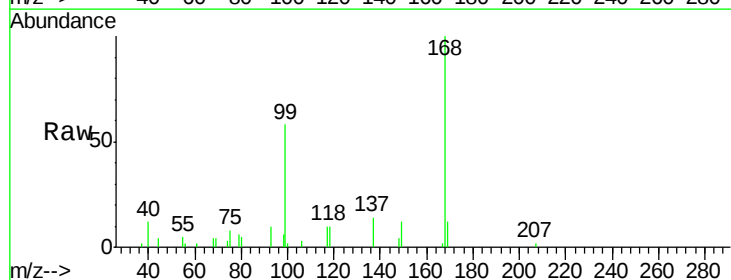
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-012218-CRE

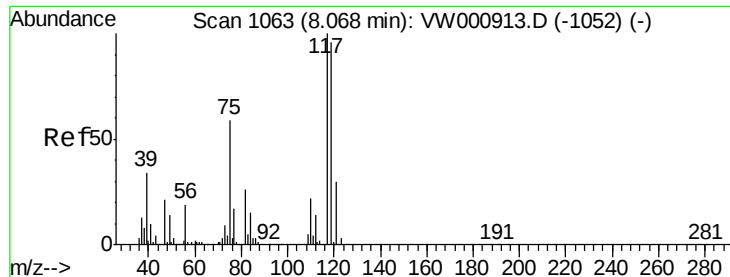
Tgt Ion: 113 Resp: 678
 Ion Ratio Lower Upper
 113 100
 111 97.2 80.4 120.6
 192 0.0 17.0 25.4#



#36
 1,1-Dichloropropene
 Concen: 5.63 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW000953.D
 Acq: 24 Jan 2018 17:49

Tgt Ion: 75 Resp: 517
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.6 56.0#
 77 0.0 24.6 36.8#

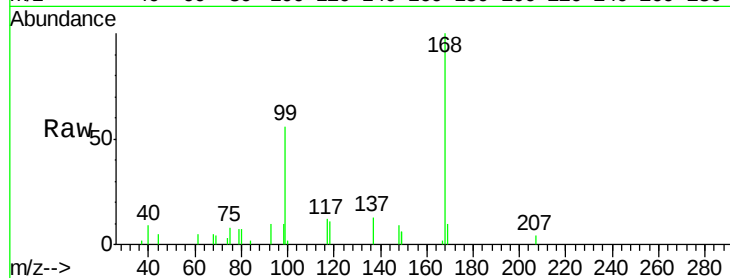




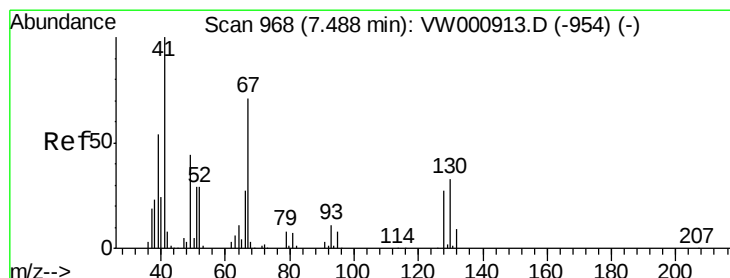
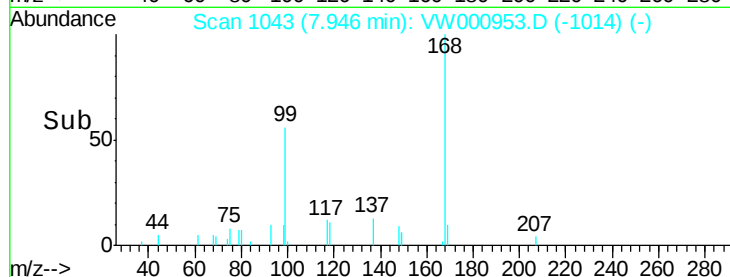
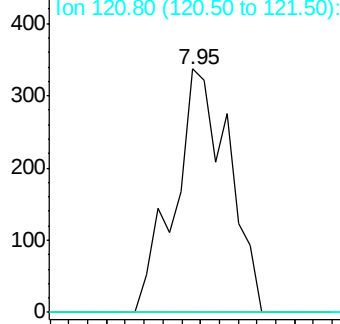
#38
Carbon Tetrachloride
Concen: 6.62 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW000953.D
Acq: 24 Jan 2018 17:49

Instrument :
MSVOA_W
ClientSampleId :
CL-01-012218-CRE

Tgt Ion:117 Resp: 671
Ion Ratio Lower Upper
117 100
119 0.0 76.5 114.7#
121 0.0 24.3 36.5#

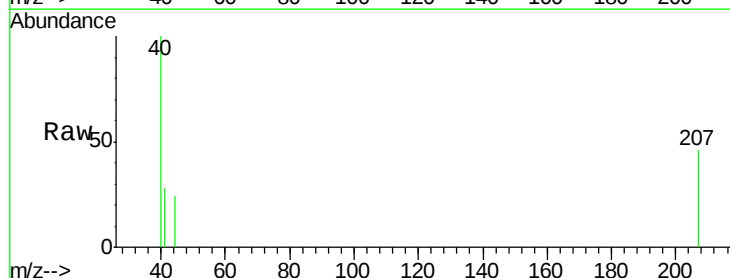


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

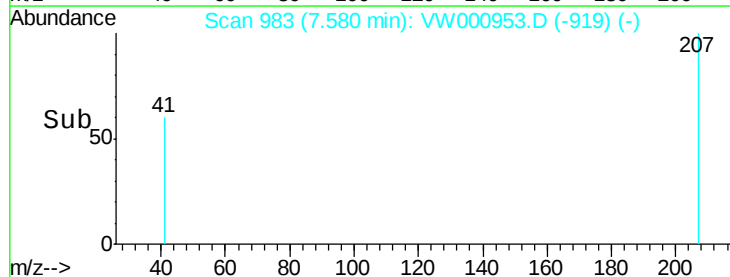
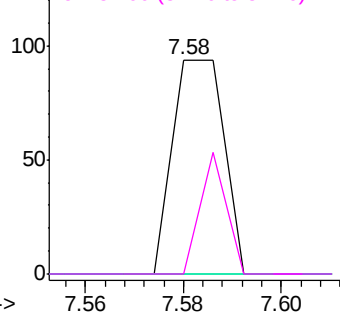


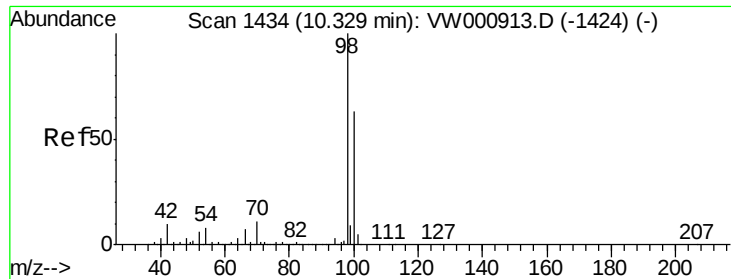
#41
Methacrylonitrile
Concen: 2.37 ug/l
RT: 7.58 min Scan# 983
Delta R.T. 0.09 min
Lab File: VW000953.D
Acq: 24 Jan 2018 17:49

Tgt Ion: 41 Resp: 69
Ion Ratio Lower Upper
41 100
39 0.0 43.4 65.0#
67 0.0 59.0 88.4#
52 27.5 24.6 36.8



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 44.43 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW000953.D

Acq: 24 Jan 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

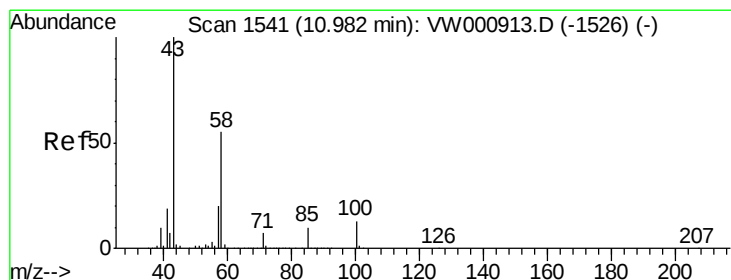
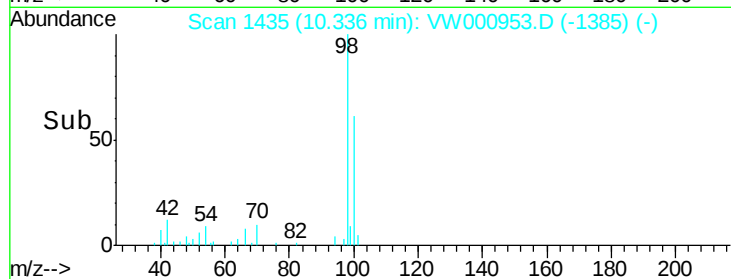
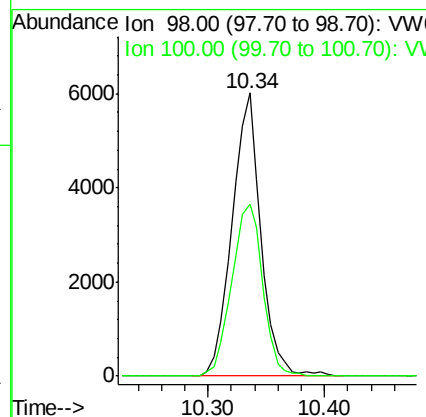
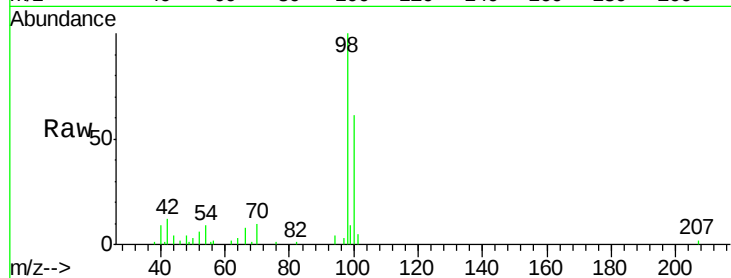
CL-01-012218-CRE

Tgt Ion: 98 Resp: 10334

Ion Ratio Lower Upper

98 100

100 65.3 50.8 76.2



#59

2-Hexanone

Concen: 15.08 ug/l

RT: 10.82 min Scan# 1514

Delta R.T. -0.16 min

Lab File: VW000953.D

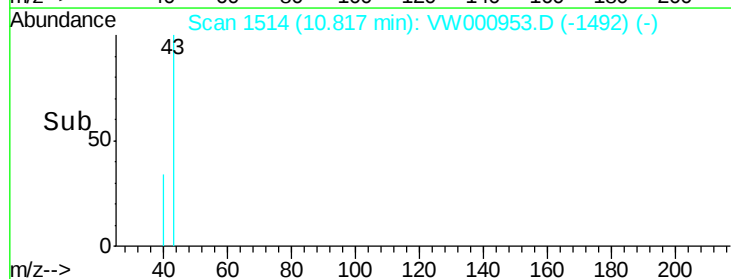
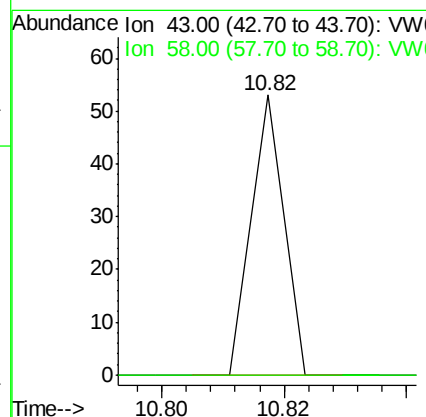
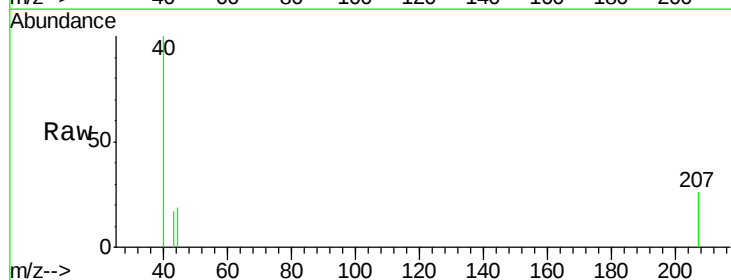
Acq: 24 Jan 2018 17:49

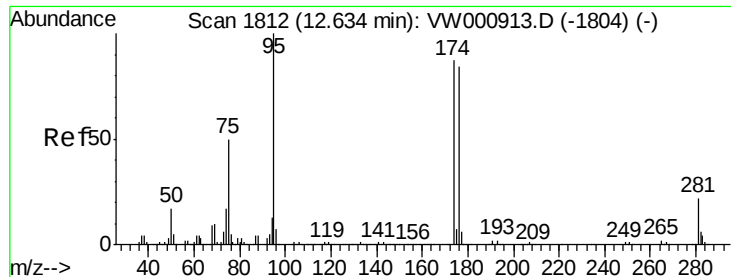
Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

58 0.0 27.4 82.2#





#62

4-Bromofluorobenzene

Concen: 37.59 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW000953.D

Acq: 24 Jan 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

CL-01-012218-CRE

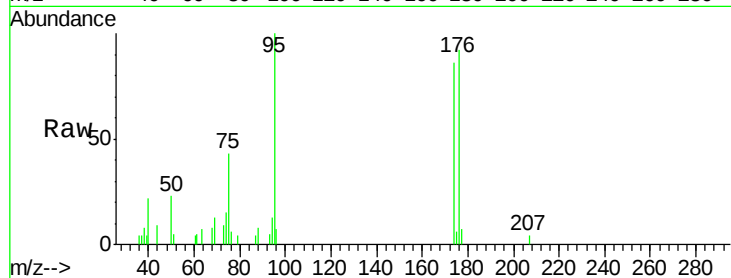
Tgt Ion: 95 Resp: 3184

Ion Ratio Lower Upper

95 100

174 76.9 0.0 176.8

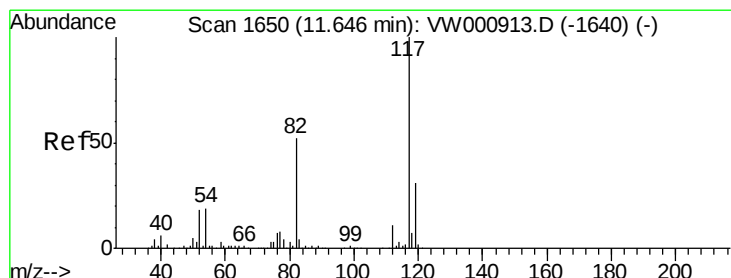
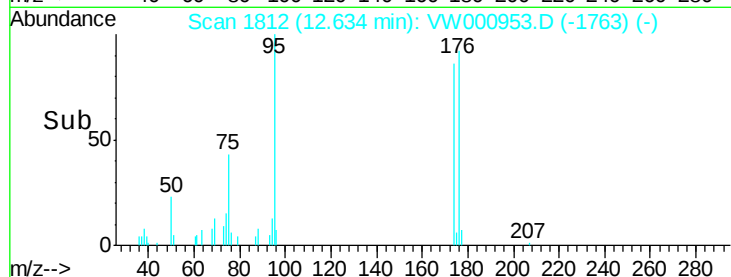
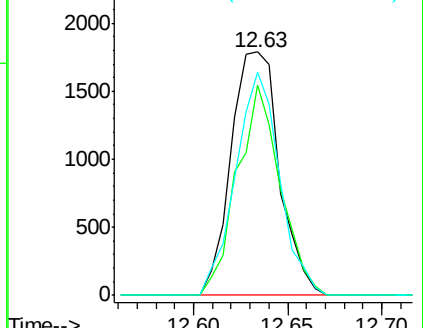
176 83.3 0.0 171.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.65 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VW000953.D

Acq: 24 Jan 2018 17:49

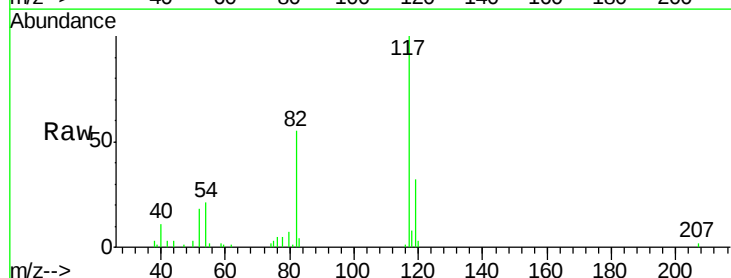
Tgt Ion: 117 Resp: 8760

Ion Ratio Lower Upper

117 100

82 55.2 41.8 62.6

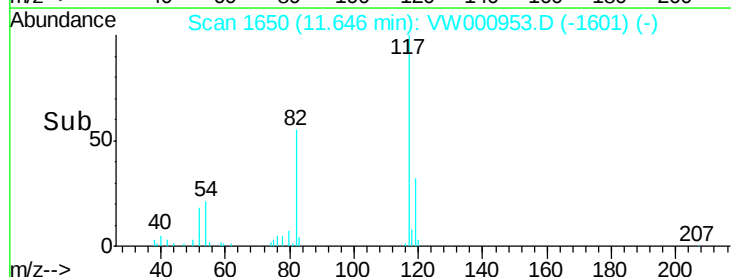
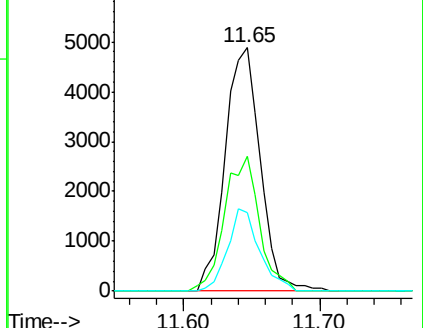
119 32.0 25.2 37.8

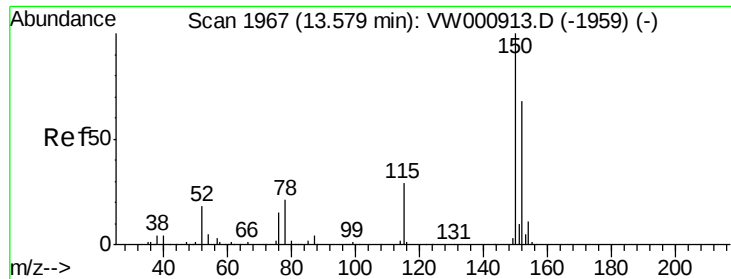


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1967

Delta R.T. 0.00 min

Lab File: VW000953.D

Acq: 24 Jan 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

CL-01-012218-CRE

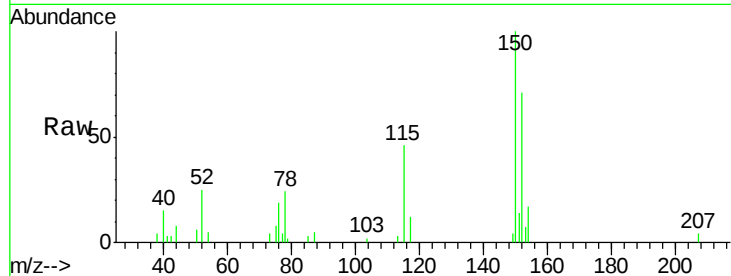
Tgt Ion: 152 Resp: 2593

Ion Ratio Lower Upper

152 100

115 59.9 28.5 85.5

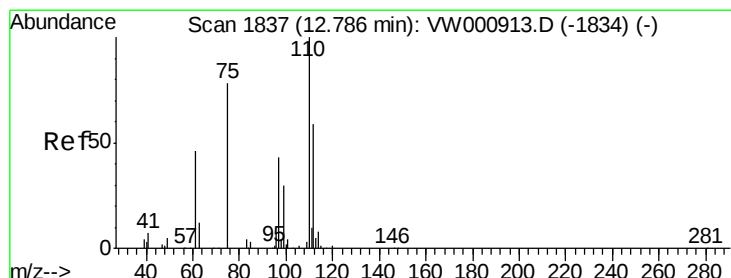
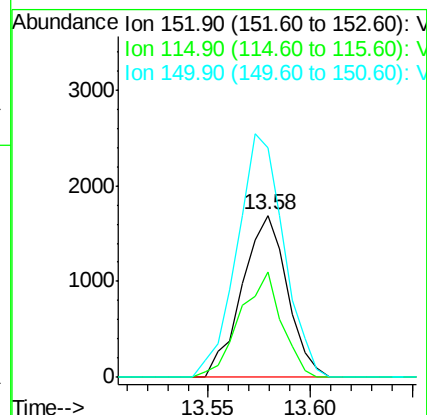
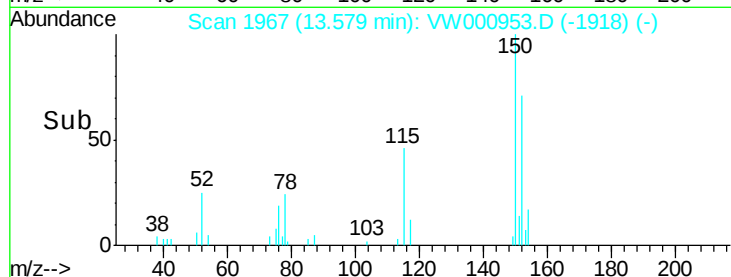
150 155.9 0.0 342.0



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: 45.23 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.16 min

Lab File: VW000953.D

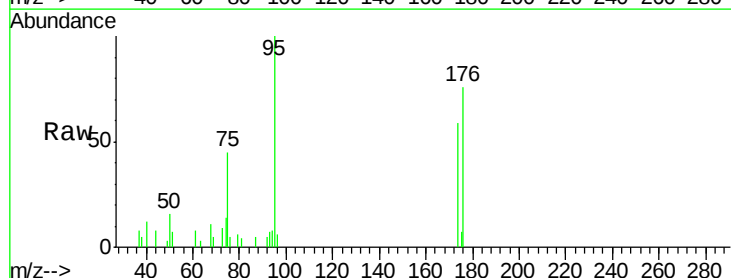
Acq: 24 Jan 2018 17:49

Tgt Ion: 75 Resp: 1357

Ion Ratio Lower Upper

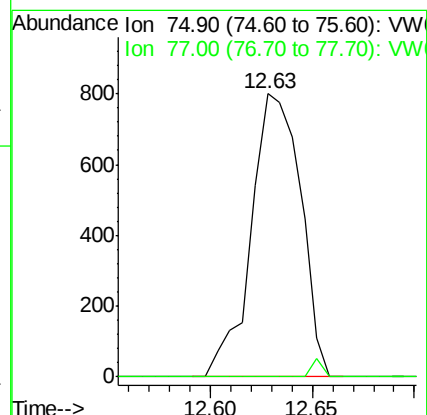
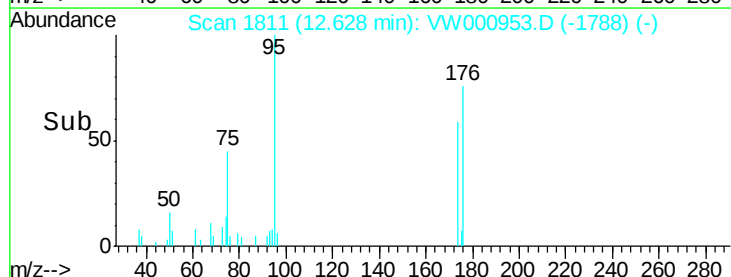
75 100

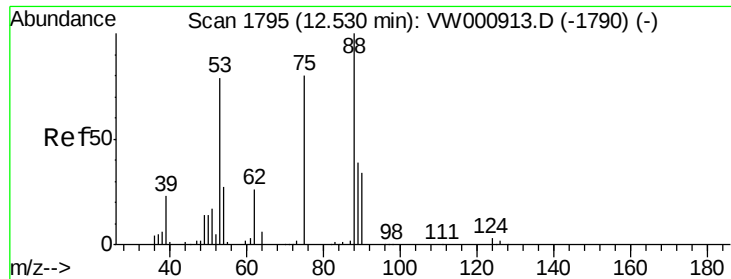
77 0.0 0.0 0.0



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: 107.70 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW000953.D

Acq: 24 Jan 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

CL-01-012218-CRE

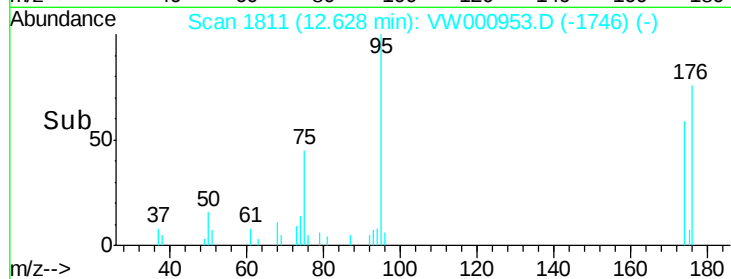
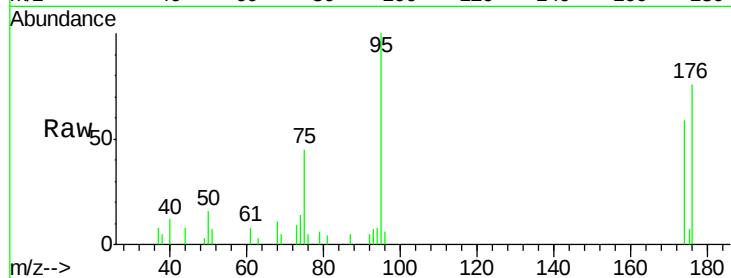
Tgt Ion: 75 Resp: 1357

Ion Ratio Lower Upper

75 100

53 0.0 77.5 116.3#

89 0.0 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

