

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000954.D
 Acq On : 24 Jan 2018 18:14
 Operator : JC/SY
 Sample : J1015-18
 Misc : 8.39G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jan 25 04:43:16 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	21474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	30047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	28367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	11964	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	12094	58.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.52%	
35) Dibromofluoromethane	7.89	113	2028	11.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.04%	
50) Toluene-d8	10.34	98	34670	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.63	95	10979	41.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.08%	

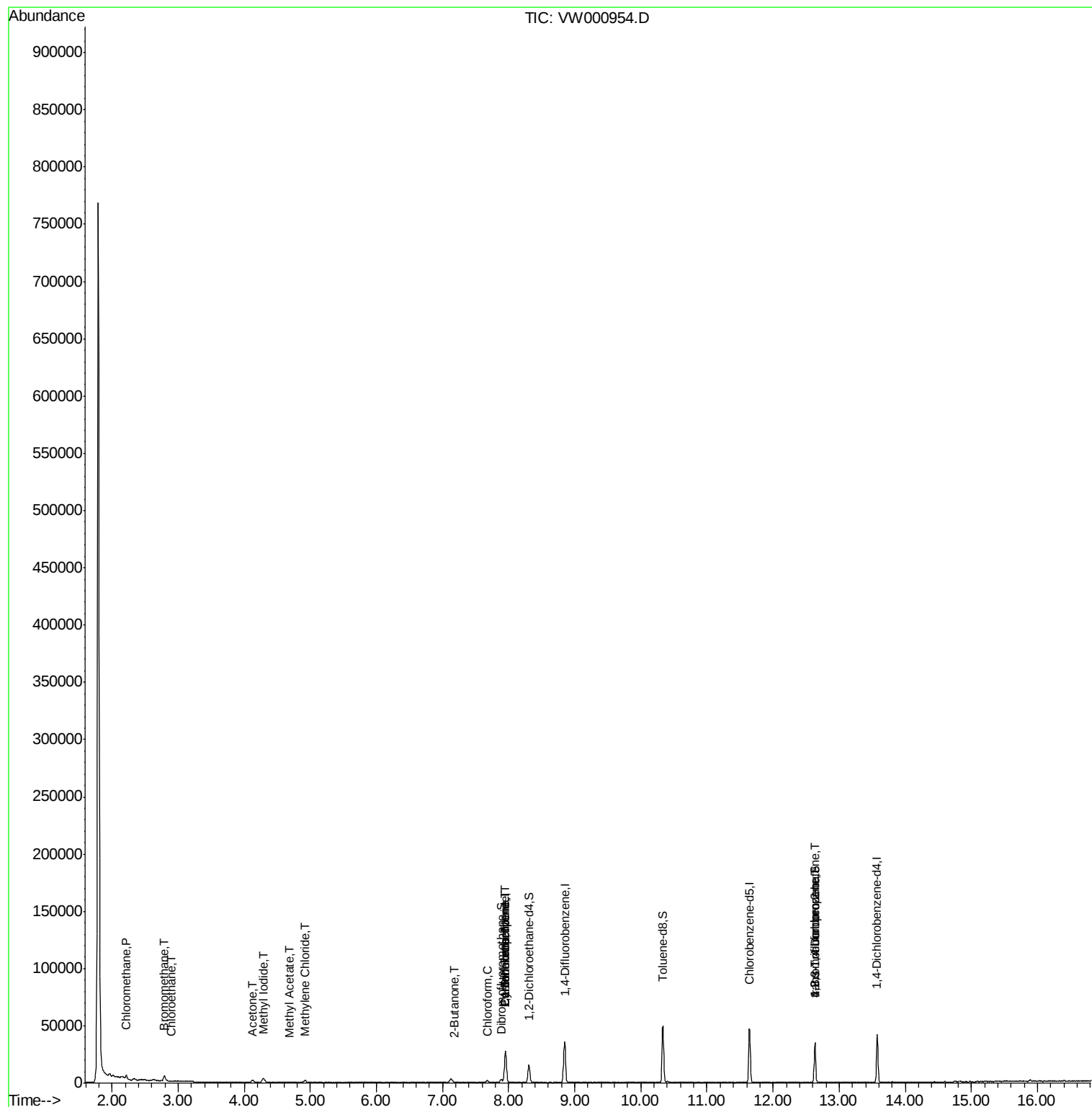
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	2653	14.50	ug/l	95
5) Bromomethane	2.79	94	3367	27.64	ug/l	96
6) Chloroethane	2.89	64	162	1.71	ug/l #	42
10) Methyl Iodide	4.29	142	6310	31.40	ug/l	97
16) Acetone	4.12	43	3672	55.96	ug/l #	80
18) Methyl Acetate	4.68	43	279	1.84	ug/l #	67
20) Methylene Chloride	4.92	84	1347	4.54	ug/l	86
25) 2-Butanone	7.18	43	337	3.70	ug/l #	48
30) Chloroform	7.68	83	1797	5.13	ug/l #	68
31) Cyclohexane	7.96	56	542	1.62	ug/l #	49
36) 1,1-Dichloropropene	7.94	75	1636	5.71	ug/l #	46
38) Carbon Tetrachloride	7.96	117	2207	6.98	ug/l #	12
76) 1,2,3-Trichloropropane	12.63	75	5223	37.73	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	5223	90.60	ug/l #	10

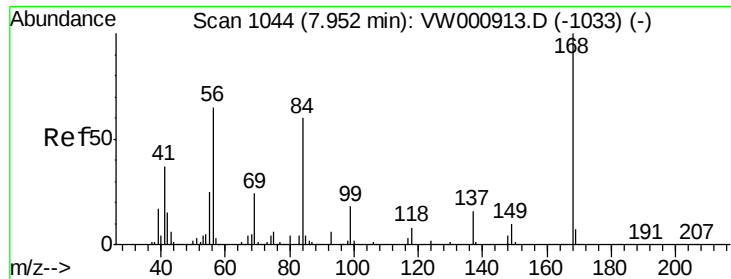
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW000954.D

Acq: 24 Jan 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

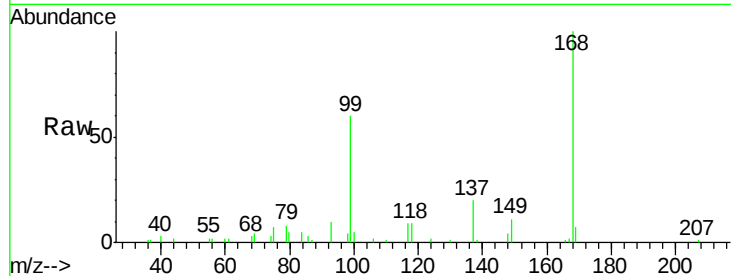
CL-01-012218-DRE

Tgt Ion:168 Resp: 21474

Ion Ratio Lower Upper

168 100

99 59.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

10000

8000

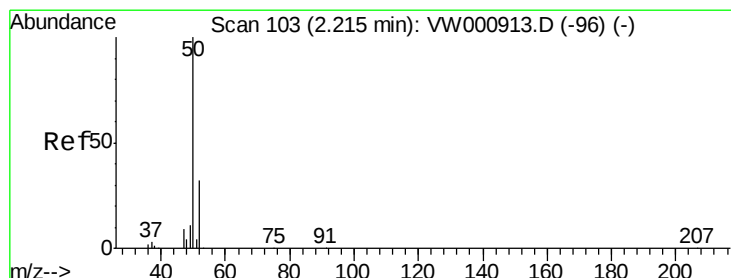
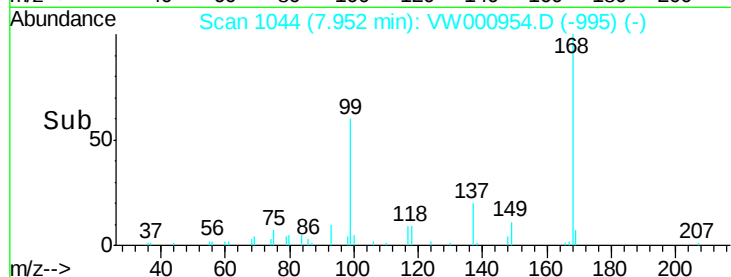
6000

4000

2000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#3

Chloromethane

Concen: 14.50 ug/l

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW000954.D

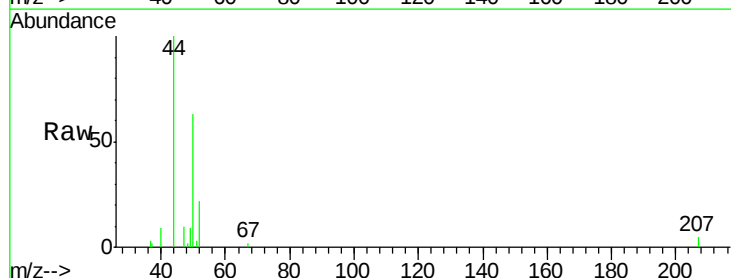
Acq: 24 Jan 2018 18:14

Tgt Ion: 50 Resp: 2653

Ion Ratio Lower Upper

50 100

52 34.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

2000

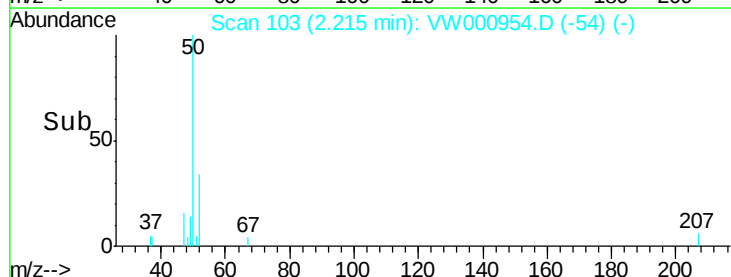
1500

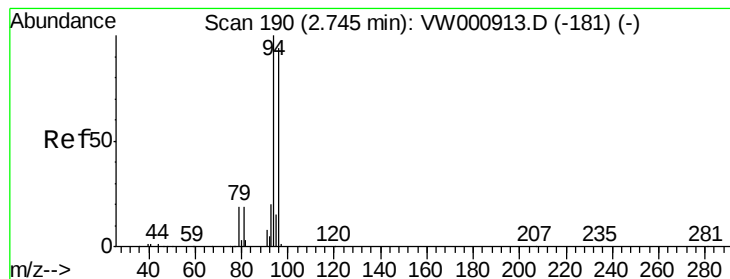
1000

500

0

Time--> 2.15 2.20 2.25





#5

Bromomethane

Concen: 27.64 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.04 min

Lab File: VW000954.D

Acq: 24 Jan 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

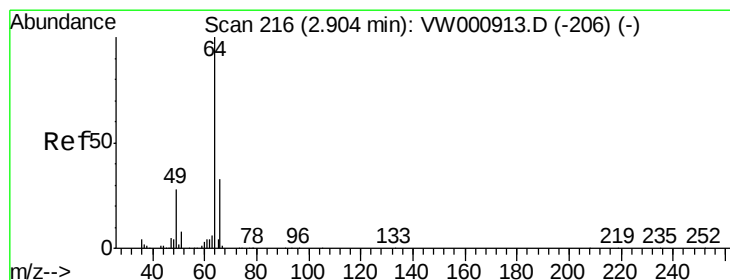
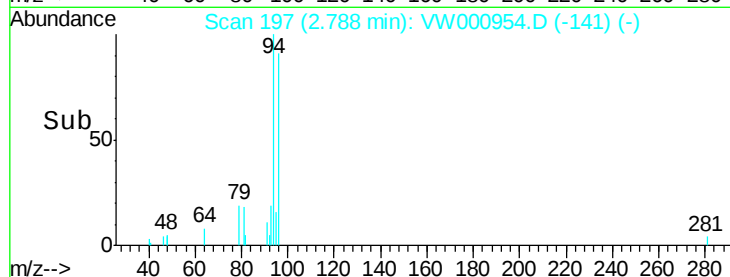
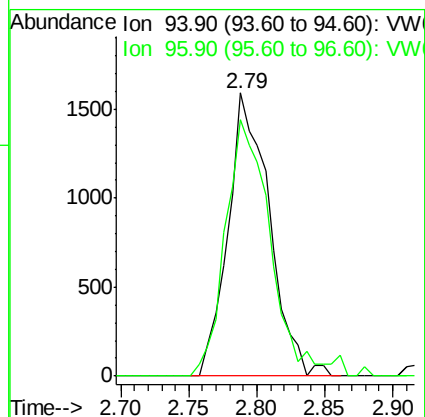
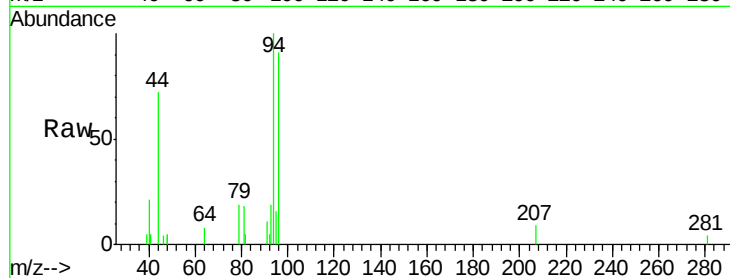
CL-01-012218-DRE

Tgt Ion: 94 Resp: 3367

Ion Ratio Lower Upper

94 100

96 90.5 75.5 113.3



#6

Chloroethane

Concen: 1.71 ug/l

RT: 2.89 min Scan# 214

Delta R.T. -0.01 min

Lab File: VW000954.D

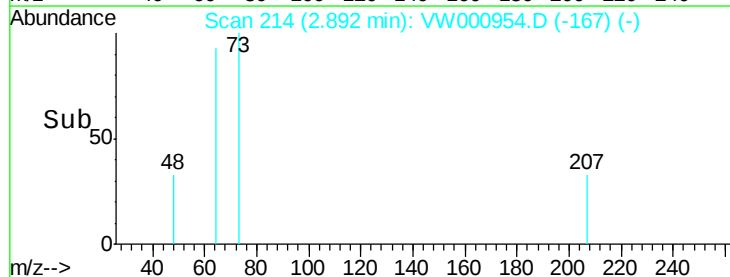
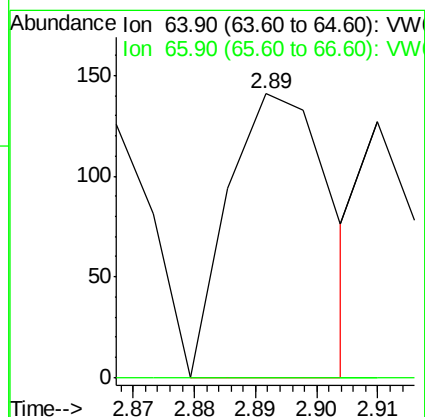
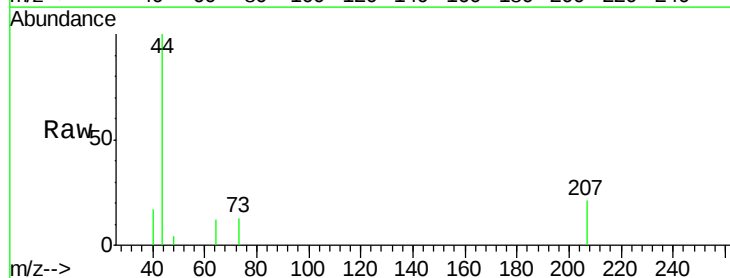
Acq: 24 Jan 2018 18:14

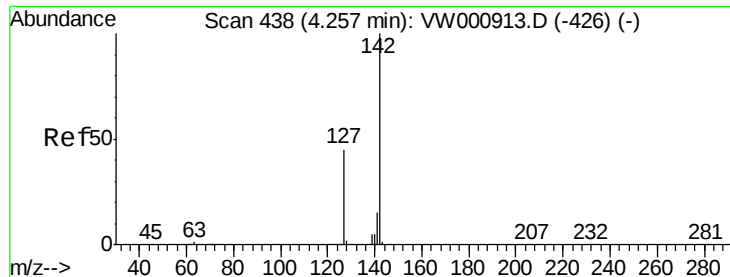
Tgt Ion: 64 Resp: 162

Ion Ratio Lower Upper

64 100

66 0.0 26.1 39.1#

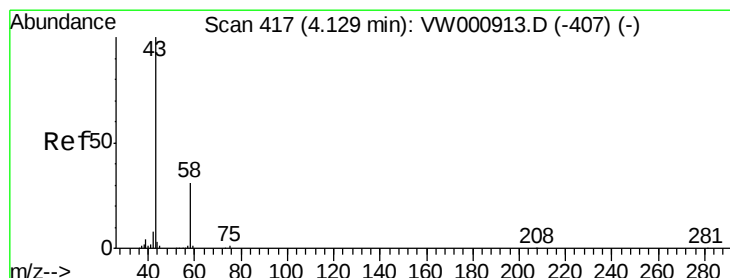
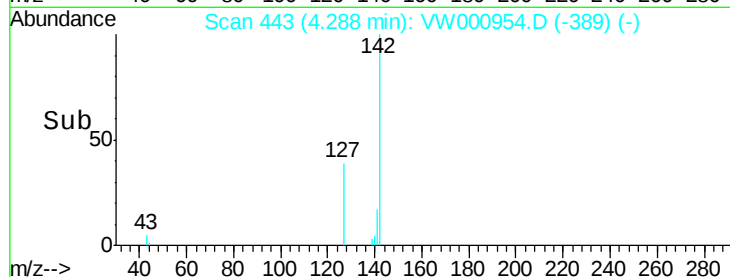
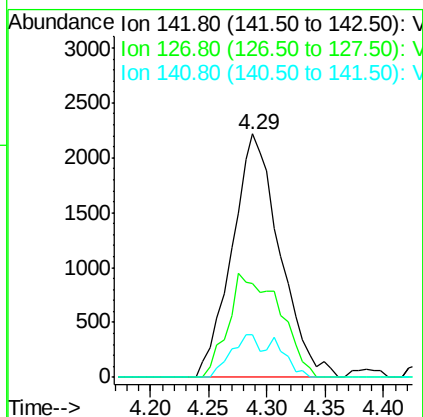
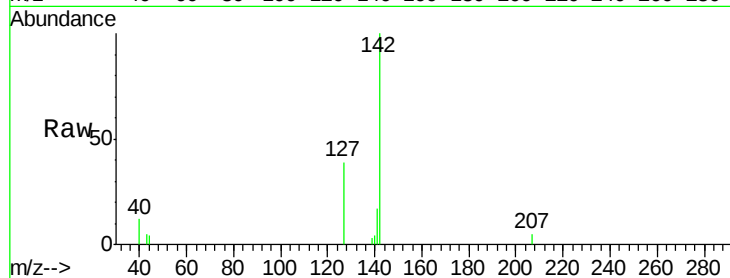




#10
Methyl Iodide
Concen: 31.40 ug/l
RT: 4.29 min Scan# 443
Delta R.T. 0.03 min
Lab File: VW000954.D
Acq: 24 Jan 2018 18:14

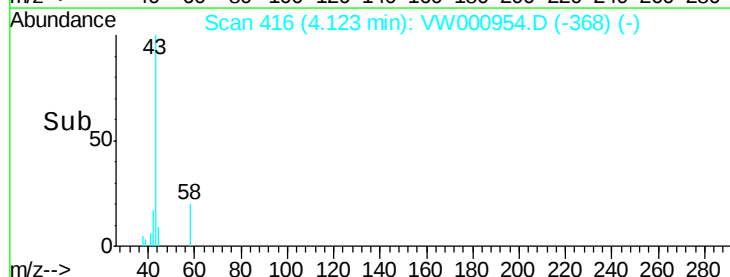
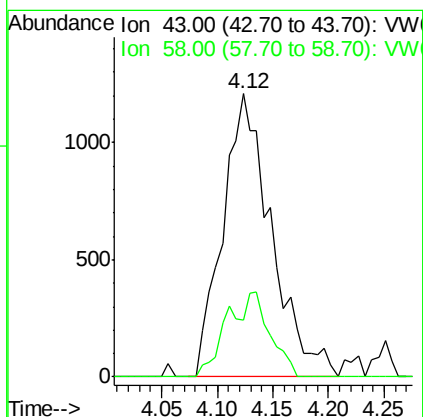
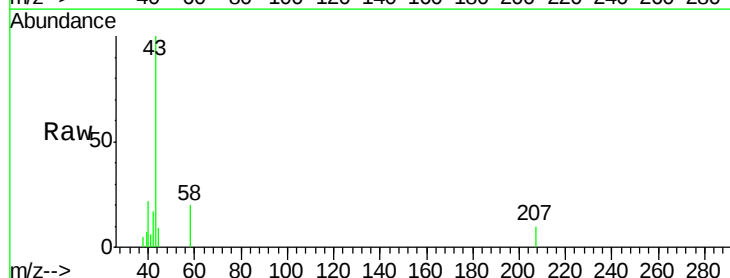
Instrument :
MSVOA_W
ClientSampleId :
CL-01-012218-DRE

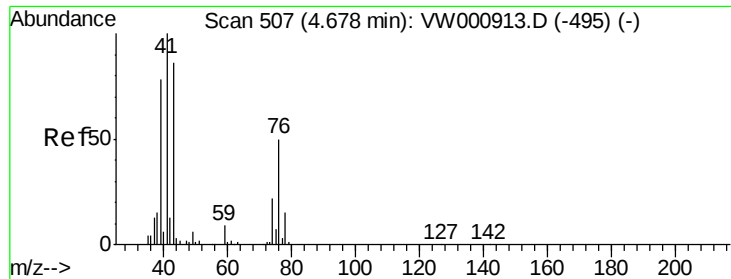
Tgt Ion:142 Resp: 6310
Ion Ratio Lower Upper
142 100
127 45.8 35.5 53.3
141 11.7 11.7 17.5



#16
Acetone
Concen: 55.96 ug/l
RT: 4.12 min Scan# 416
Delta R.T. -0.01 min
Lab File: VW000954.D
Acq: 24 Jan 2018 18:14

Tgt Ion: 43 Resp: 3672
Ion Ratio Lower Upper
43 100
58 20.3 24.9 37.3#

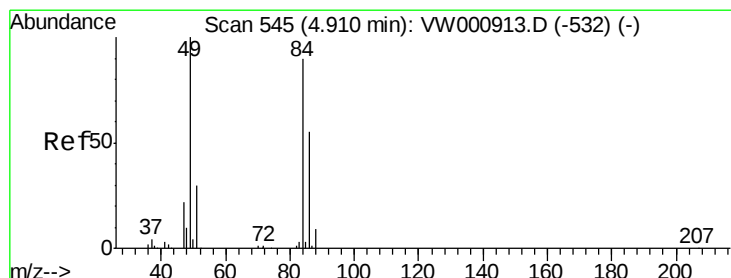
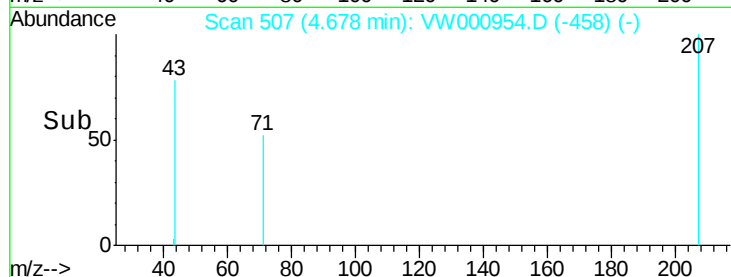
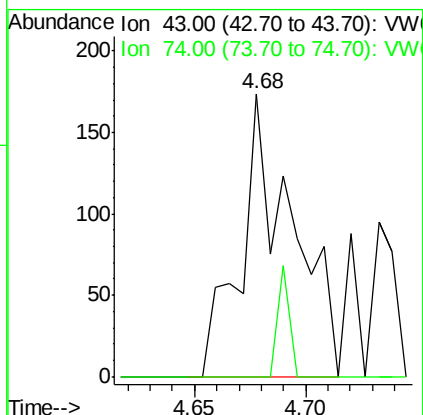
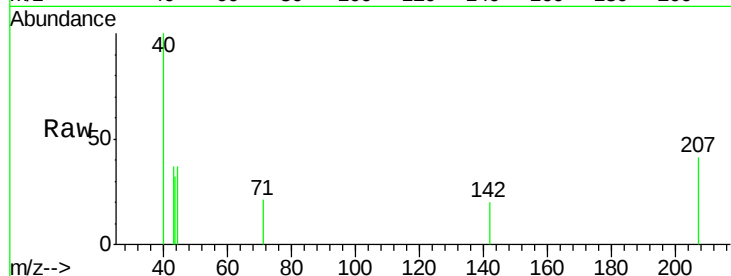




#18
Methyl Acetate
Concen: 1.84 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW000954.D
Acq: 24 Jan 2018 18:14

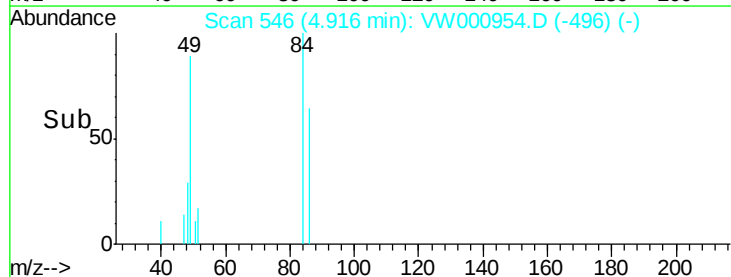
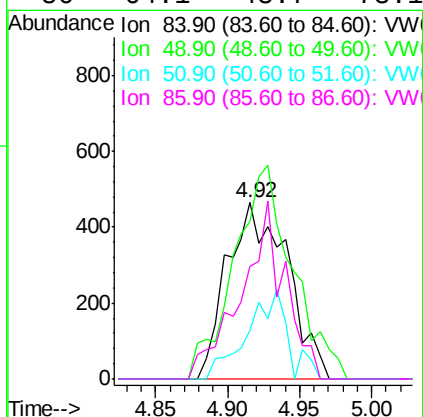
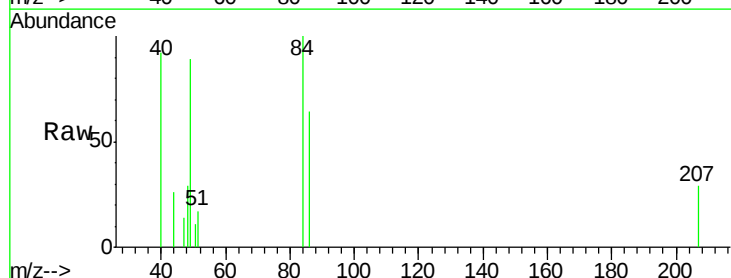
Instrument :
MSVOA_W
ClientSampleId :
CL-01-012218-DRE

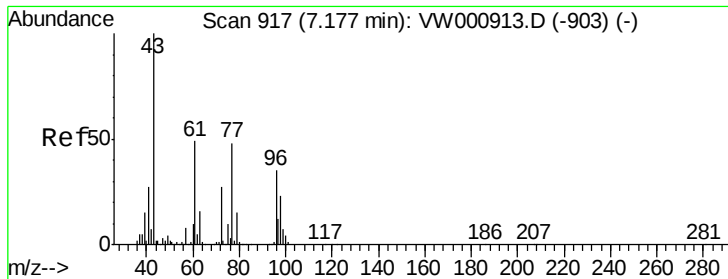
Tgt Ion: 43 Resp: 279
Ion Ratio Lower Upper
43 100
74 9.0 20.5 30.7#



#20
Methylene Chloride
Concen: 4.54 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW000954.D
Acq: 24 Jan 2018 18:14

Tgt Ion: 84 Resp: 1347
Ion Ratio Lower Upper
84 100
49 89.5 89.0 133.4
51 27.7 26.7 40.1
86 64.1 48.7 73.1





#25

2-Butanone

Concen: 3.70 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW000954.D

Acq: 24 Jan 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

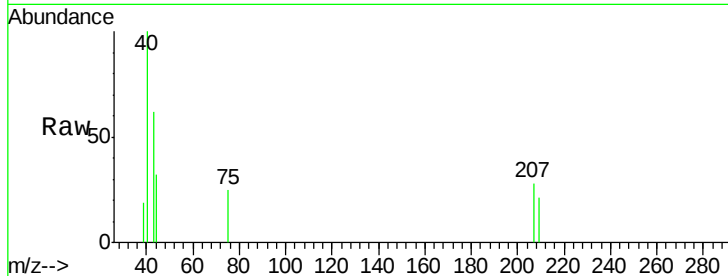
CL-01-012218-DRE

Tgt Ion: 43 Resp: 337

Ion Ratio Lower Upper

43 100

72 0.0 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

150

100

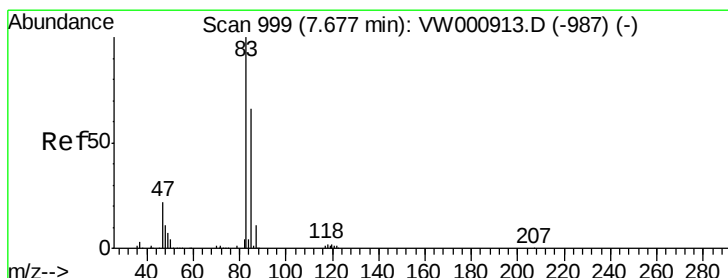
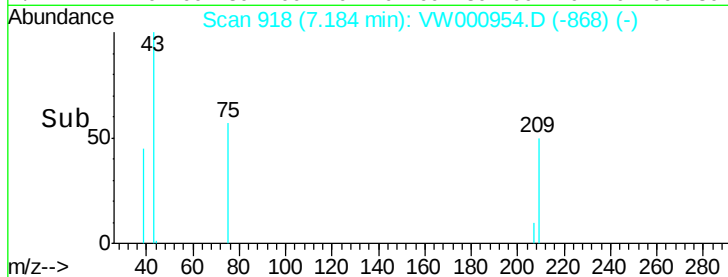
50

0

7.15

7.20

Time-->



#30

Chloroform

Concen: 5.13 ug/l

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW000954.D

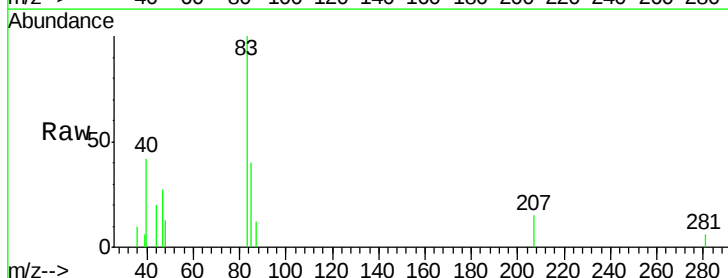
Acq: 24 Jan 2018 18:14

Tgt Ion: 83 Resp: 1797

Ion Ratio Lower Upper

83 100

85 40.2 52.5 78.7#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

7.68

1000

800

600

400

200

0

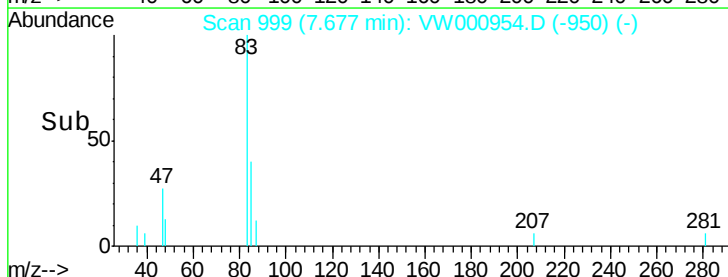
7.60

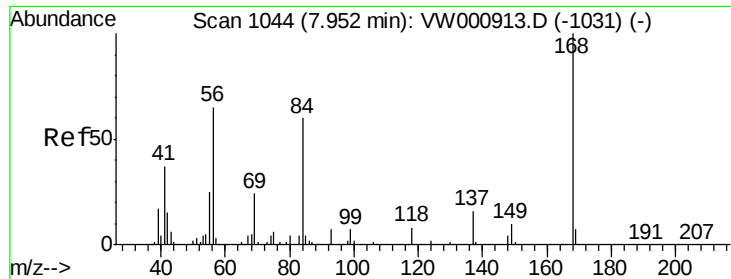
7.65

7.70

7.75

Time-->

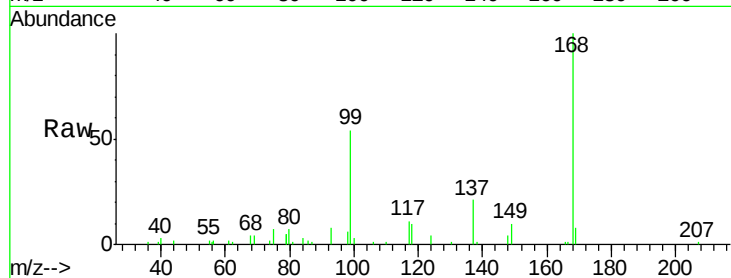




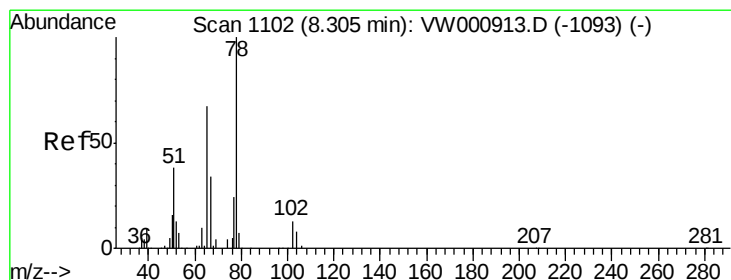
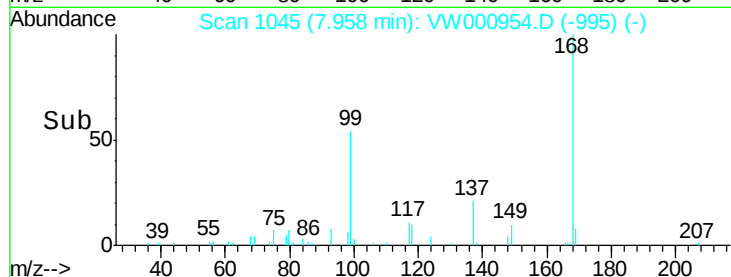
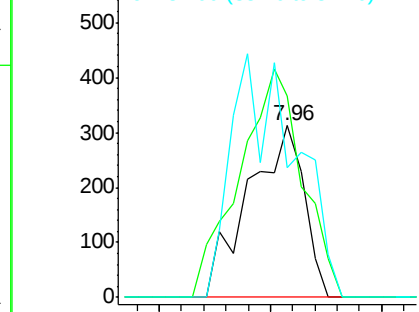
#31
Cyclohexane
Concen: 1.62 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW000954.D
Acq: 24 Jan 2018 18:14

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

Tgt Ion: 56 Resp: 542
Ion Ratio Lower Upper
56 100
69 117.6 29.2 43.8#
84 75.6 73.6 110.4

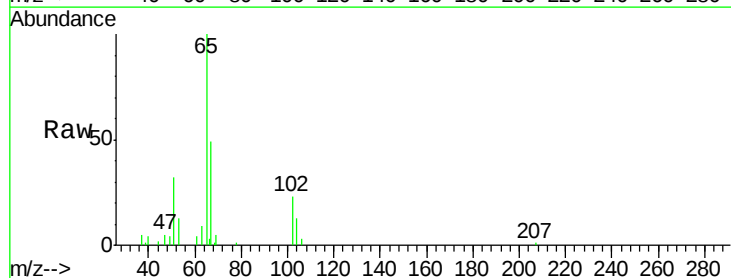


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

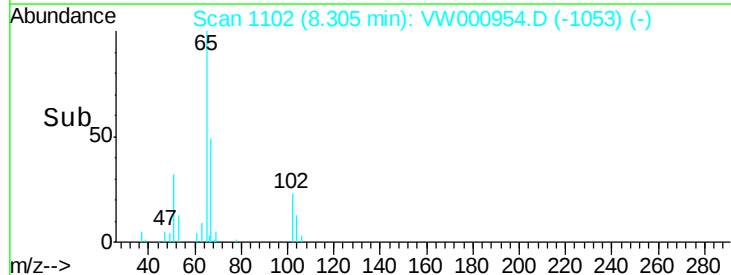
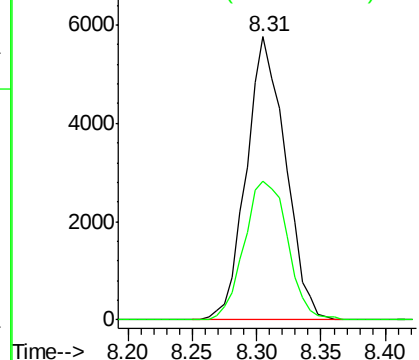


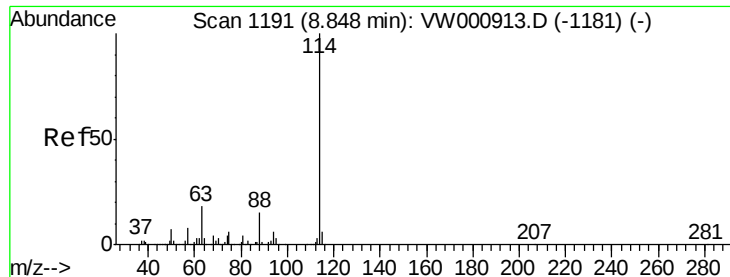
#33
1,2-Dichloroethane-d4
Concen: 58.76 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW000954.D
Acq: 24 Jan 2018 18:14

Tgt Ion: 65 Resp: 12094
Ion Ratio Lower Upper
65 100
67 54.5 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW000954.D

Acq: 24 Jan 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

CL-01-012218-DRE

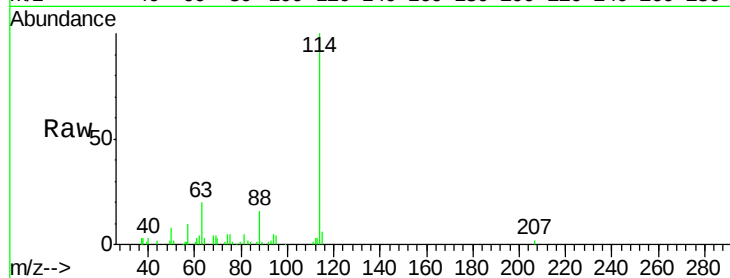
Tgt Ion:114 Resp: 30047

Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.8

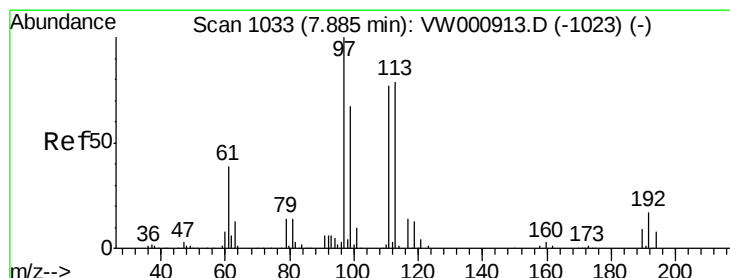
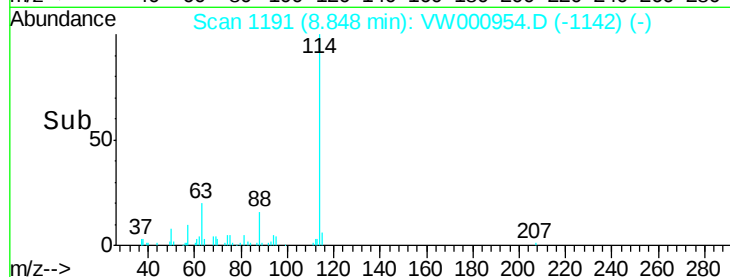
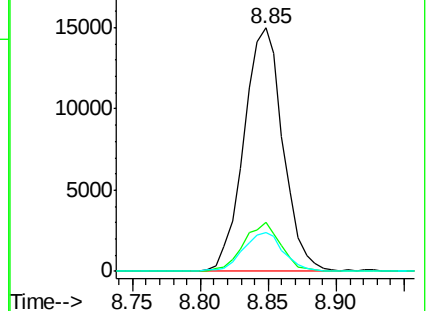
88 16.1 0.0 29.8



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: 11.02 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW000954.D

Acq: 24 Jan 2018 18:14

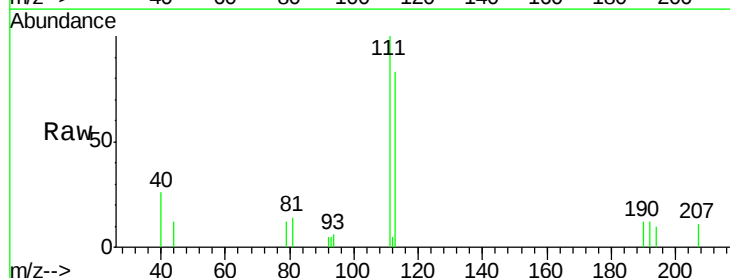
Tgt Ion:113 Resp: 2028

Ion Ratio Lower Upper

113 100

111 111.3 80.4 120.6

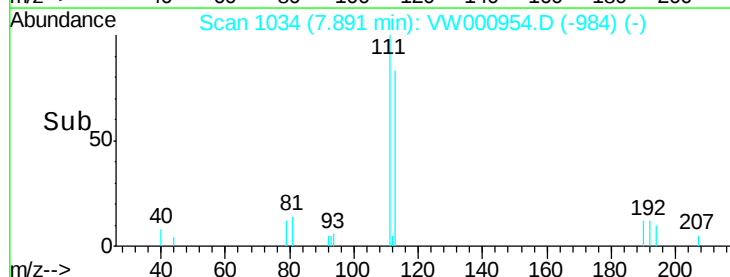
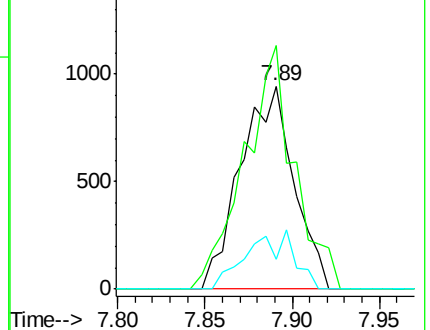
192 25.0 17.0 25.4

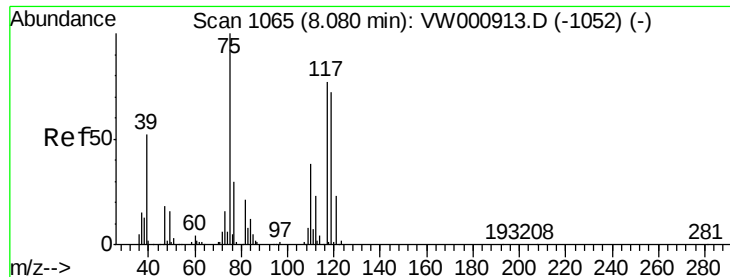


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.71 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.14 min

Lab File: VW000954.D

Acq: 24 Jan 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

CL-01-012218-DRE

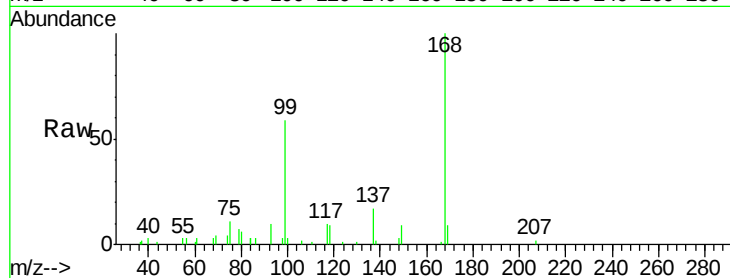
Tgt Ion: 75 Resp: 1636

Ion Ratio Lower Upper

75 100

110 6.5 18.6 56.0#

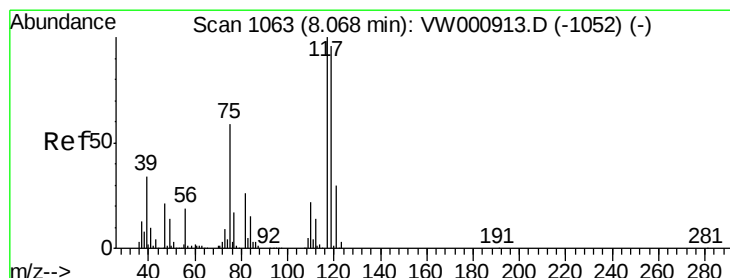
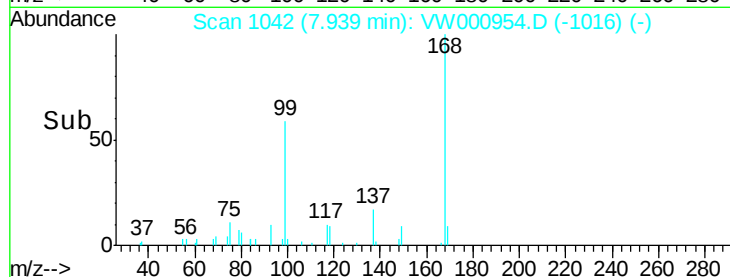
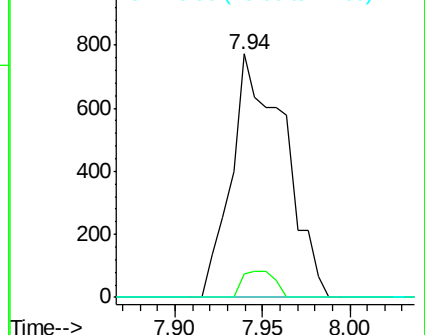
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.98 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.11 min

Lab File: VW000954.D

Acq: 24 Jan 2018 18:14

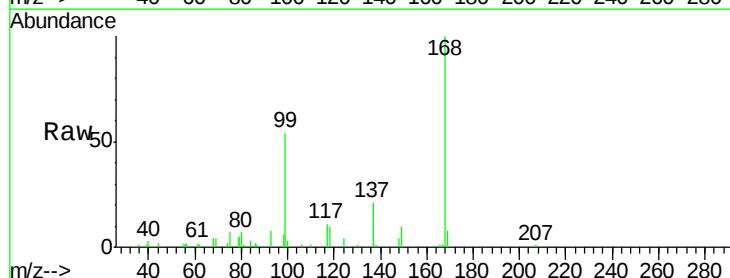
Tgt Ion: 117 Resp: 2207

Ion Ratio Lower Upper

117 100

119 0.0 76.5 114.7#

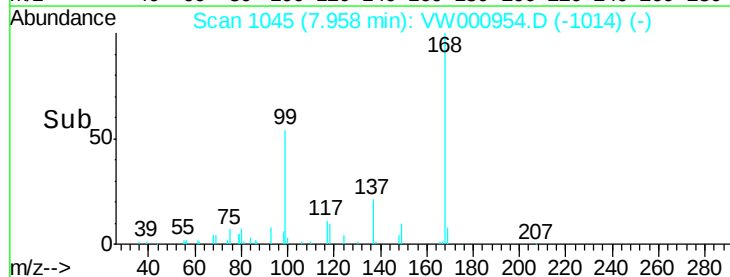
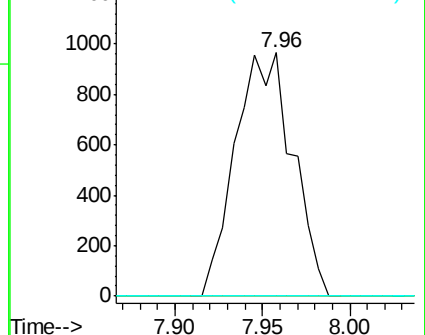
121 0.0 24.3 36.5#

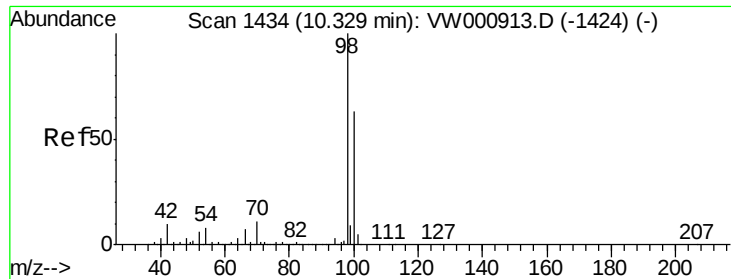


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 47.78 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW000954.D

Acq: 24 Jan 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

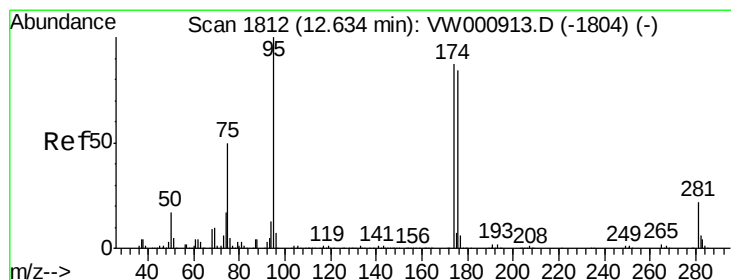
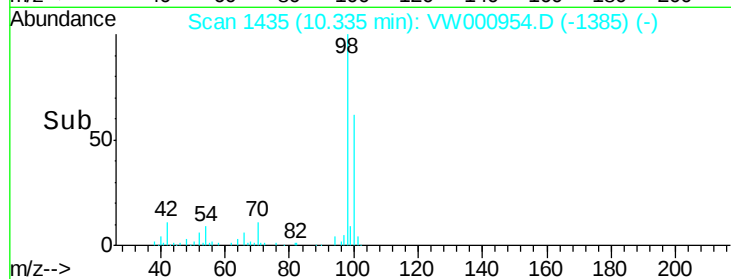
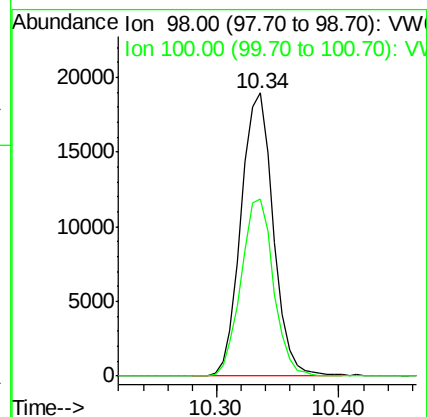
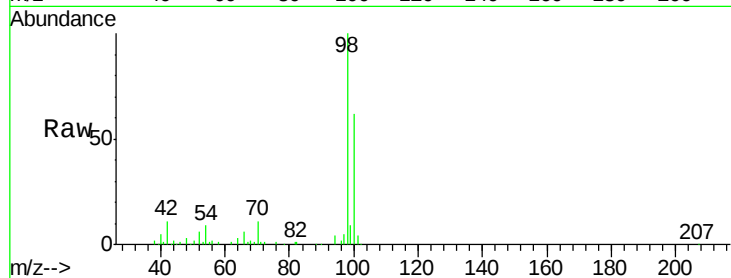
CL-01-012218-DRE

Tgt Ion: 98 Resp: 34670

Ion Ratio Lower Upper

98 100

100 62.7 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 41.54 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW000954.D

Acq: 24 Jan 2018 18:14

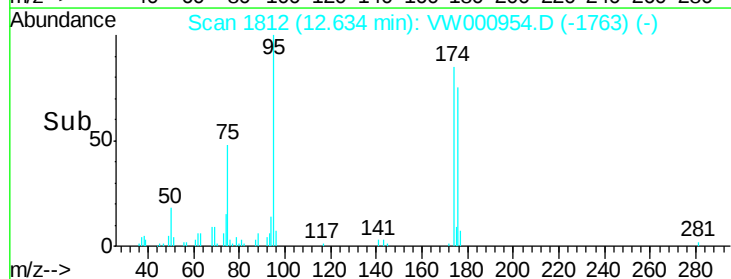
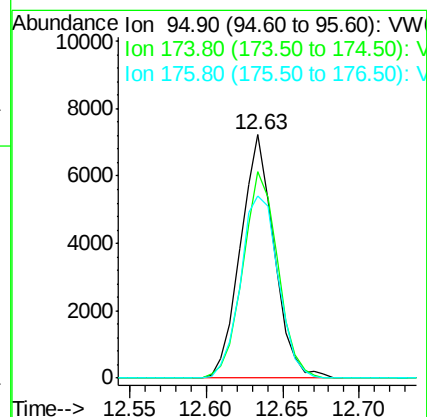
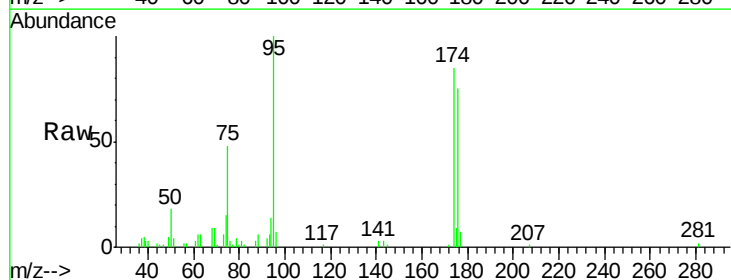
Tgt Ion: 95 Resp: 10979

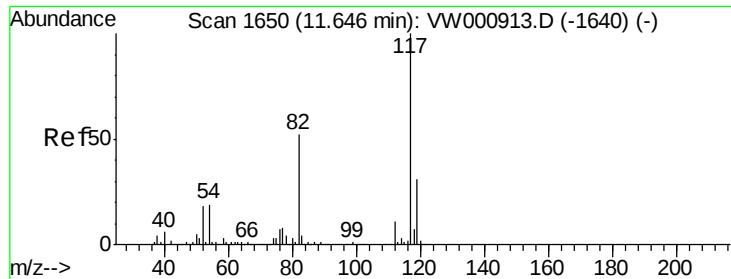
Ion Ratio Lower Upper

95 100

174 88.7 0.0 176.8

176 84.5 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.65 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VW000954.D

Acq: 24 Jan 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

CL-01-012218-DRE

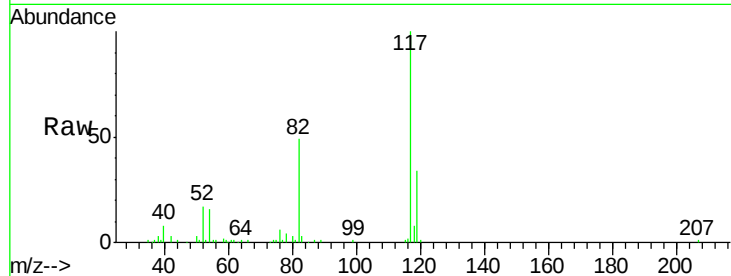
Tgt Ion:117 Resp: 28367

Ion Ratio Lower Upper

117 100

82 48.7 41.8 62.6

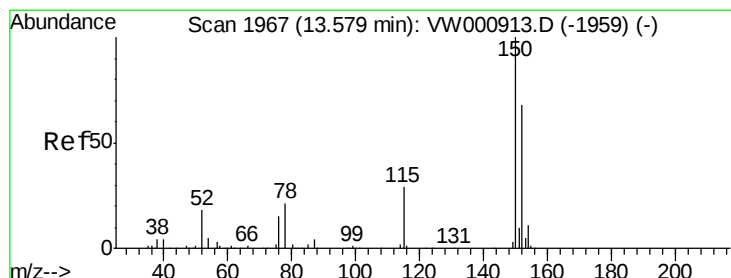
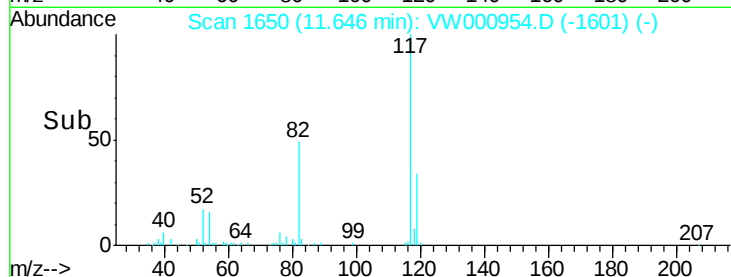
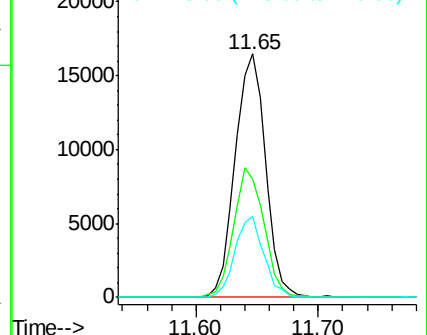
119 33.5 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.01 min

Lab File: VW000954.D

Acq: 24 Jan 2018 18:14

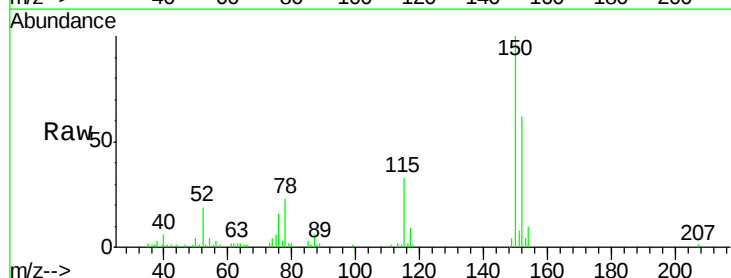
Tgt Ion:152 Resp: 11964

Ion Ratio Lower Upper

152 100

115 57.0 28.5 85.5

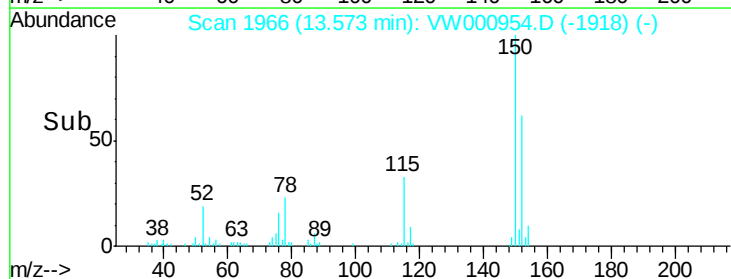
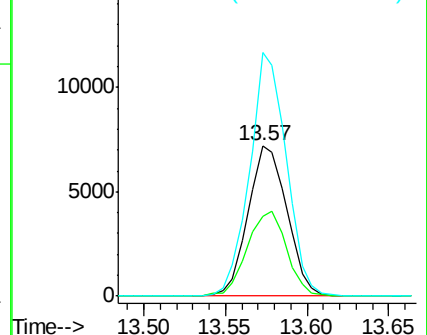
150 153.2 0.0 342.0

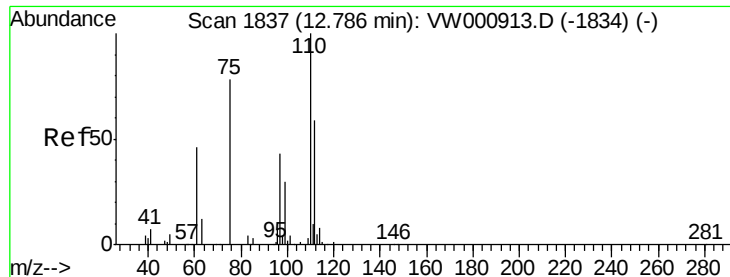


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

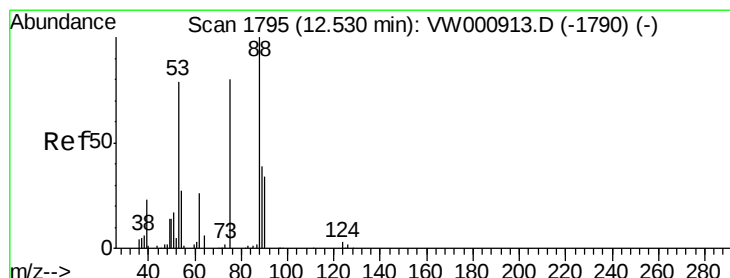
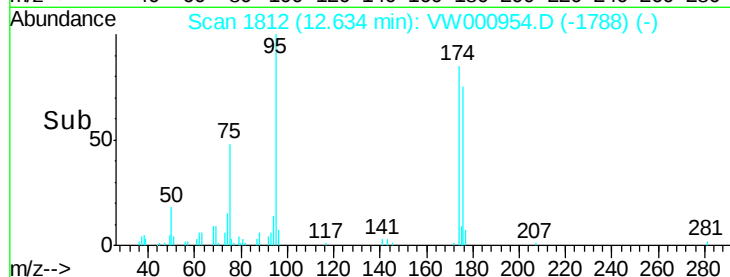
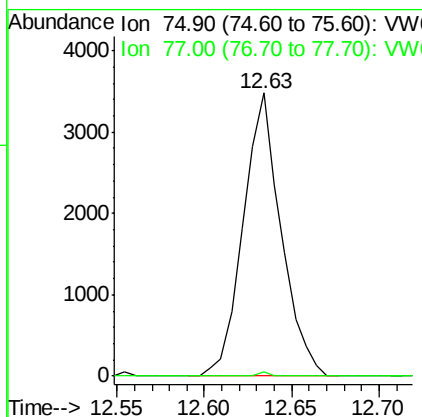
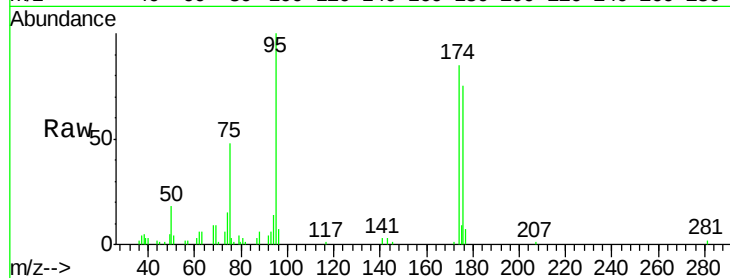




#76
 1,2,3-Trichloropropane
 Concen: 37.73 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. -0.15 min
 Lab File: VW000954.D
 Acq: 24 Jan 2018 18:14

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

Tgt Ion: 75 Resp: 5223
 Ion Ratio Lower Upper
 75 100
 77 0.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.60 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.10 min
 Lab File: VW000954.D
 Acq: 24 Jan 2018 18:14

Tgt Ion: 75 Resp: 5223
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.5 116.3#
 89 0.0 38.2 57.4#

