

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000954.D
 Acq On : 24 Jan 2018 18:14
 Operator : JC/SY
 Sample : J1015-18RE
 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	12094	58.76	ug/l	0.00
Spiked Amount			Recovery	=	117.52%	
35) Dibromofluoromethane	7.89	113	2028	11.02	ug/l	0.00
Spiked Amount			Recovery	=	22.04%	
50) Toluene-d8	10.34	98	34670	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.63	95	10979	41.54	ug/l	0.00
Spiked Amount			Recovery	=	83.08%	

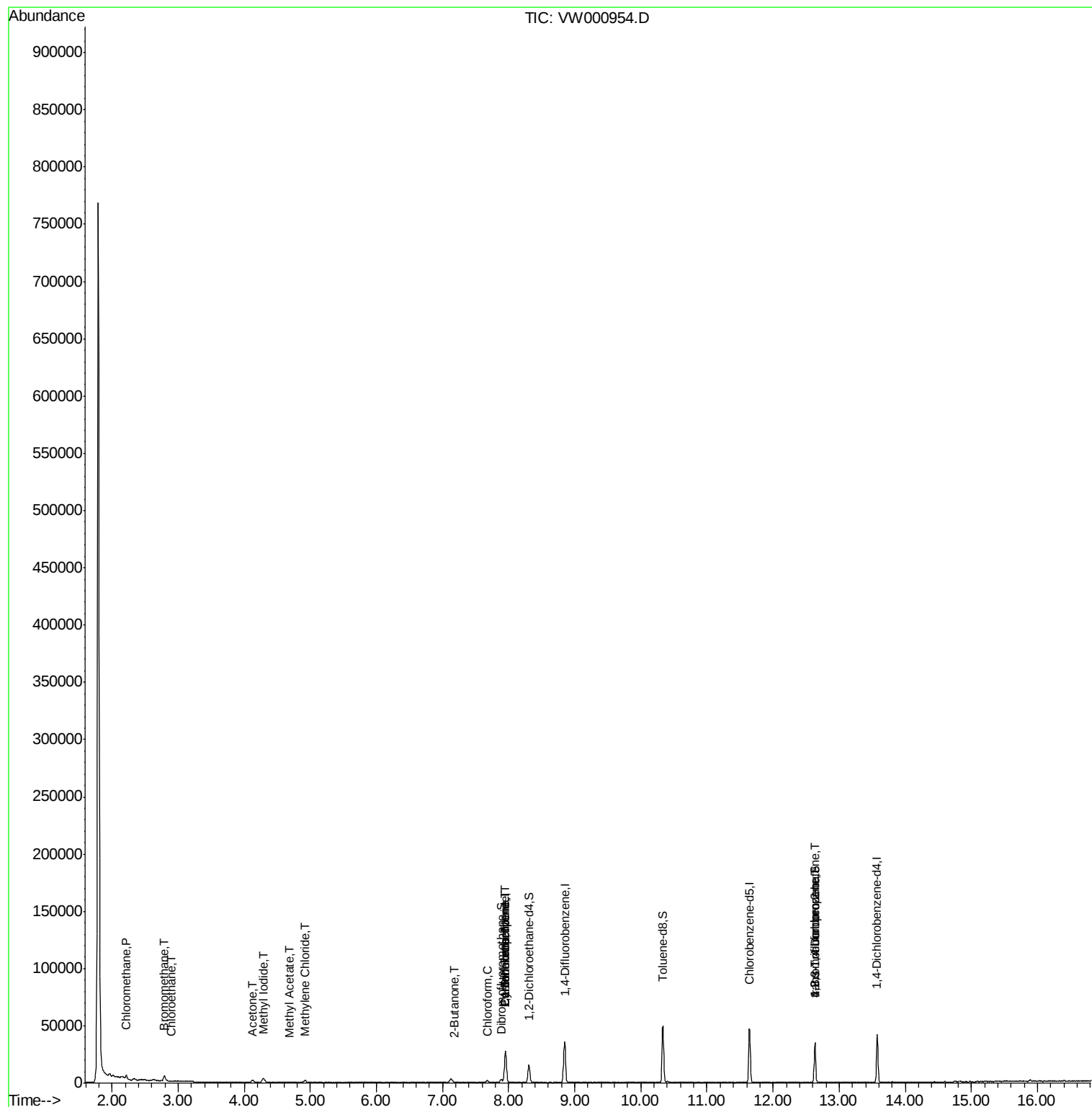
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	2653	14.50	ug/l	95
5) Bromomethane	2.79	94	3367	27.64	ug/l	96
6) Chloroethane	2.89	64	162	1.71	ug/l #	42
10) Methyl Iodide	4.29	142	6310	31.40	ug/l	97
16) Acetone	4.12	43	3672	55.96	ug/l #	80
18) Methyl Acetate	4.68	43	279	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

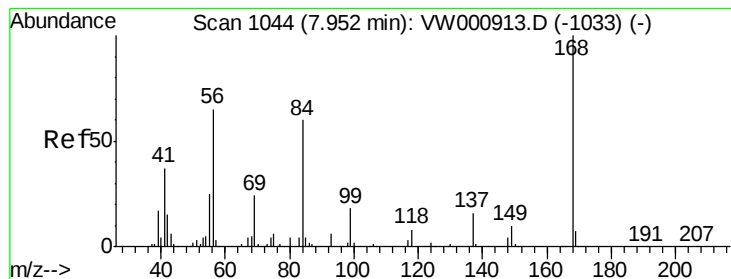
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

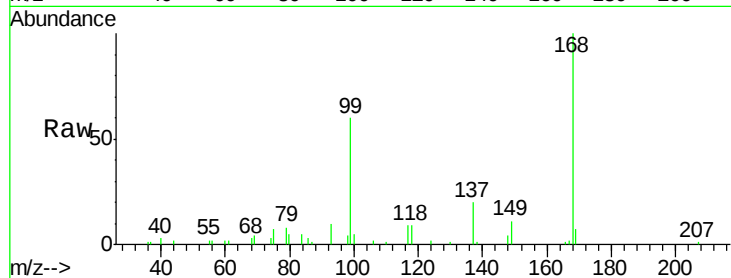
CL-01-012218-DRE

Tot 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

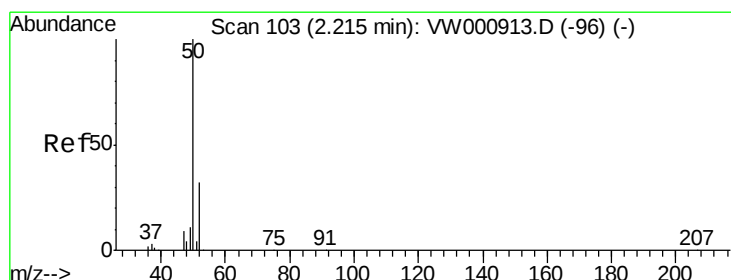
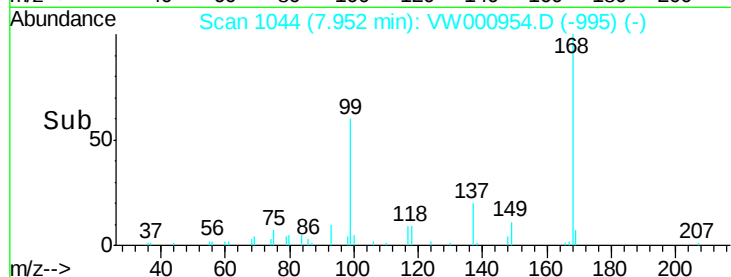
6000

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

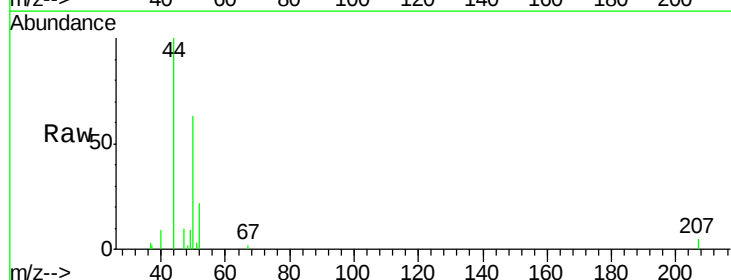
Acq: 24 Jan 2018 18:14

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

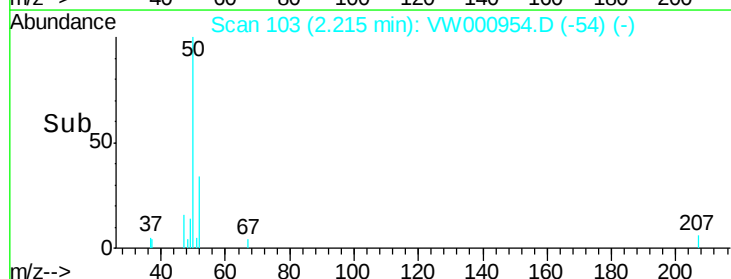
1500

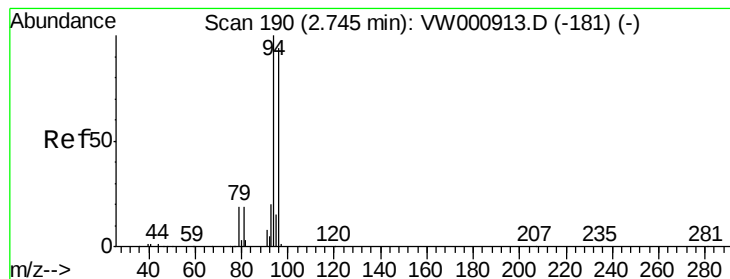
1000

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 :

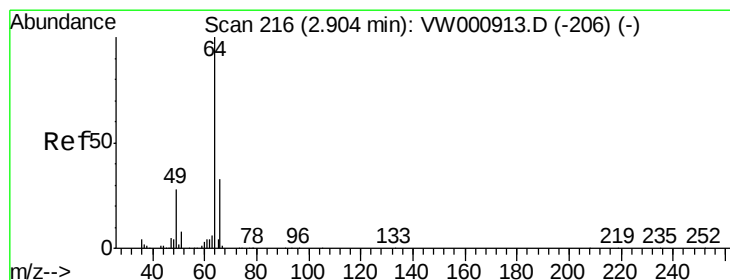
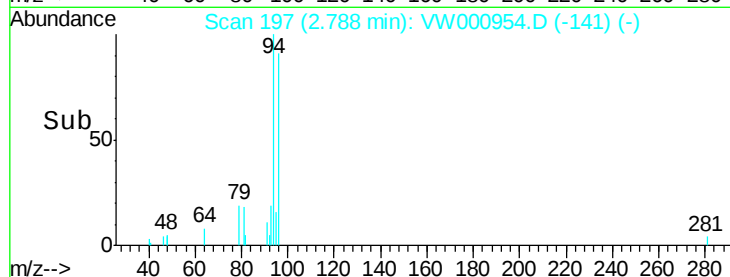
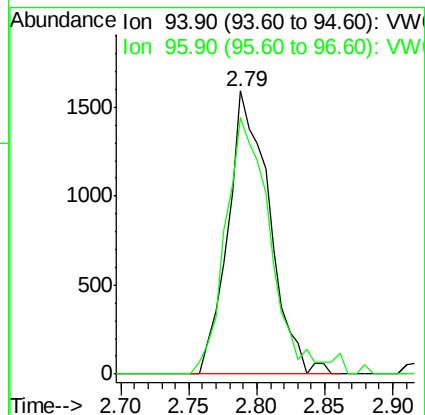
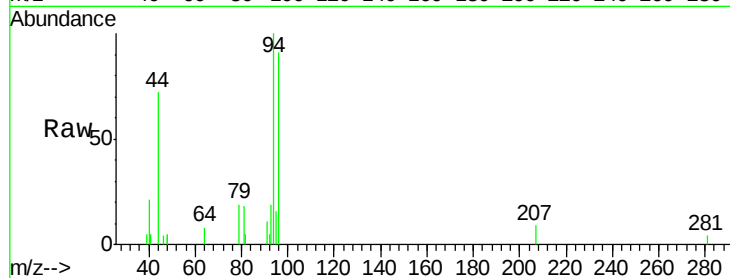
CL-01-012218-DRE

Tot 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

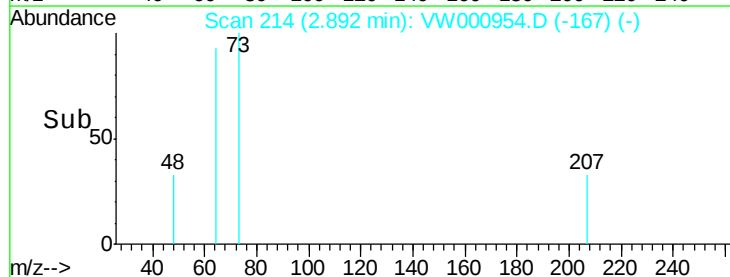
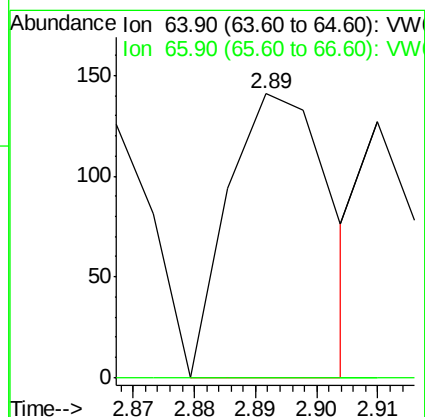
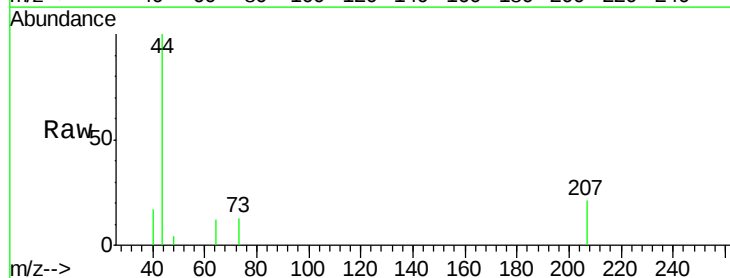
Acq: 24 Jan 2018 18:14

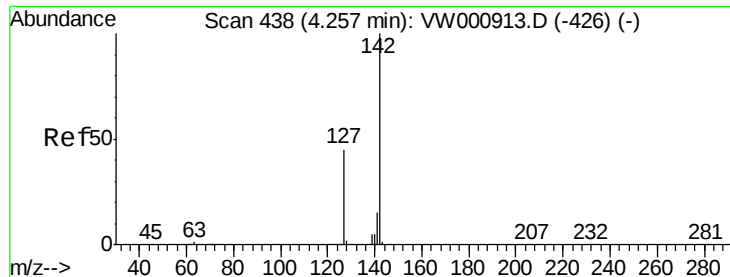
Tgt Ion: 64 Resp: 162

Ion Ratio Lower Upper

64 100

66 0.0 26.1 39.1#

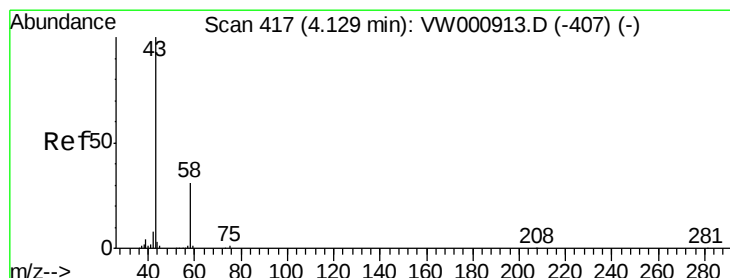
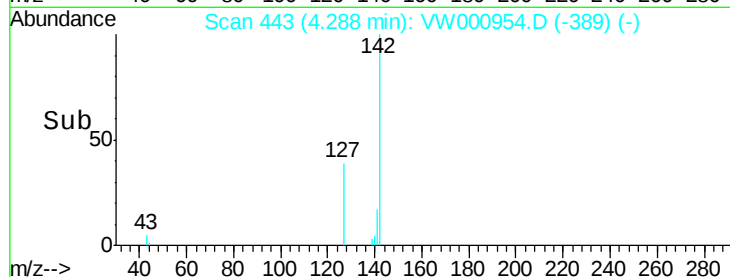
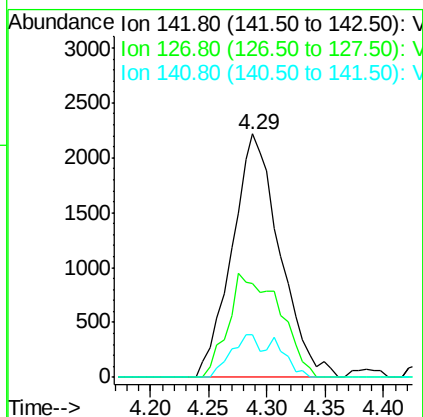
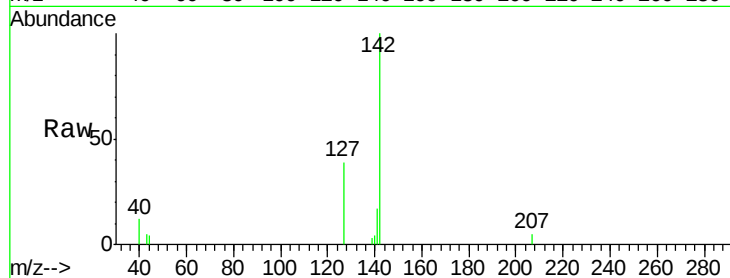




#10
Methvl Iodide
Concen: 31.40 ug/l
RT: 4.29 min Scan# 443
Delta R.T. 0.03 min
Lab File: VW000954.D
Acq: 24 Jan 2018 18:14

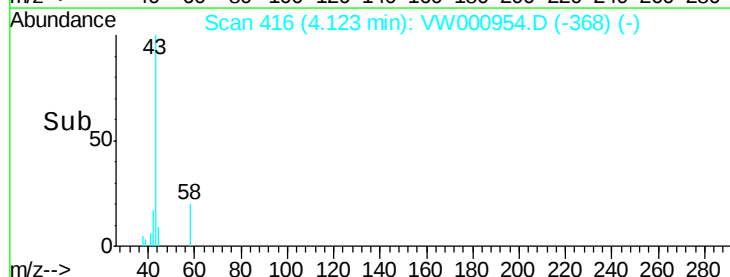
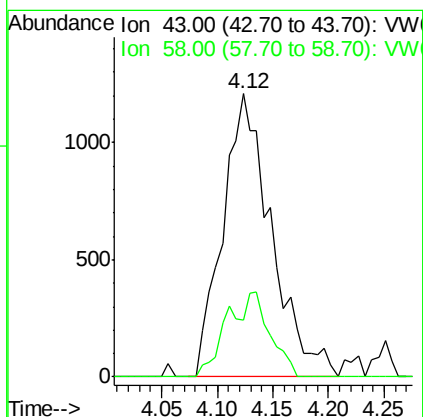
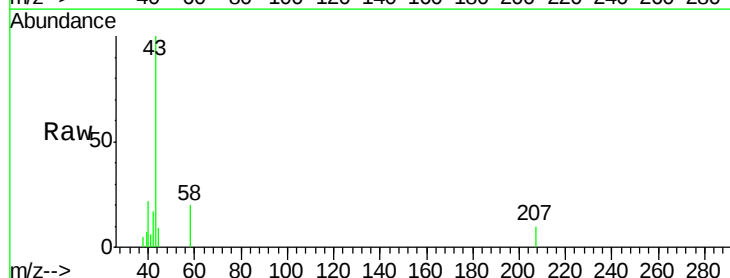
Instrument :
MSVOA_W
ClientSampleId :
CL-01-012218-DRE

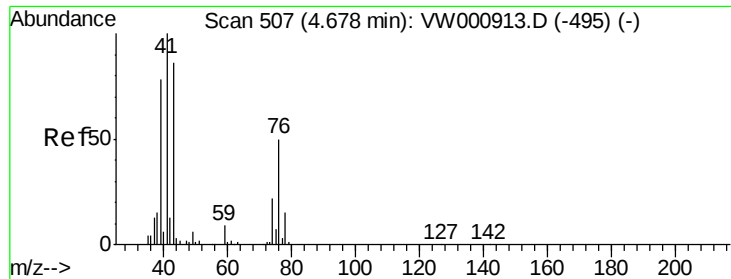
Tot Ion:142 Resp: 6310
Ion Ratio Lower Upper
142 100
127 45.8 35.5 53.3
141 11.7 11.7 17.5



#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#

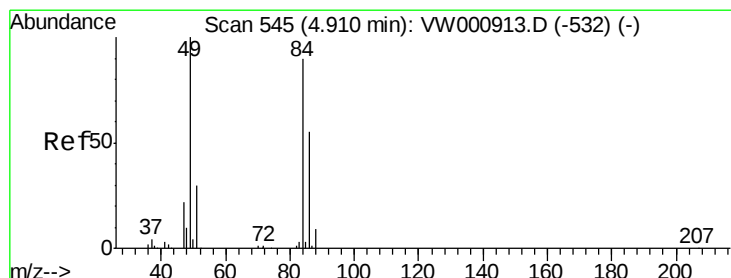
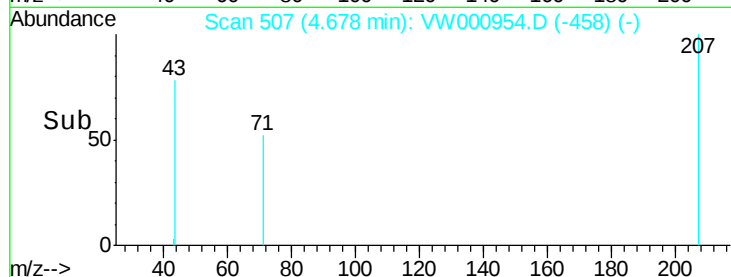
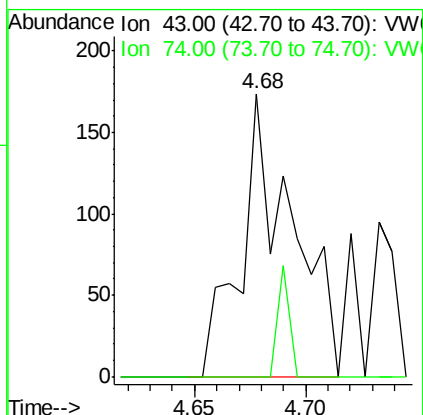
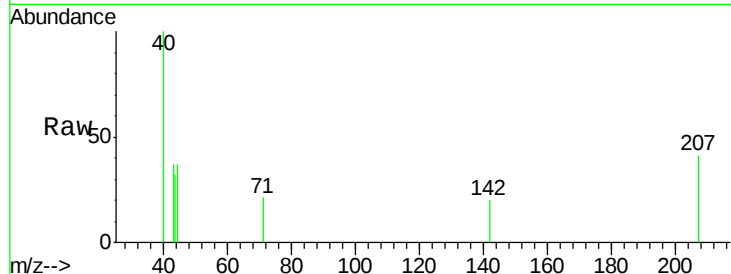




#18
Methvl Acetate
Concen: 1.84 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW000954.D
Acq: 24 Jan 2018 18:14

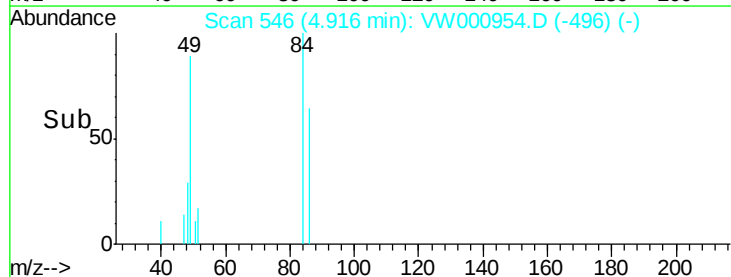
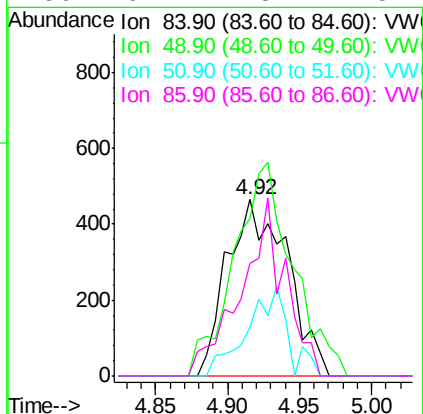
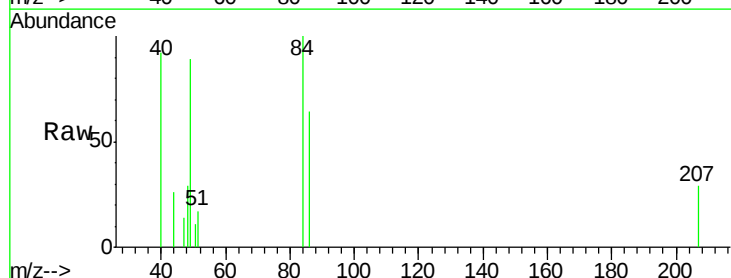
Instrument :
MSVOA_W
ClientSampleId :
CL-01-012218-DRE

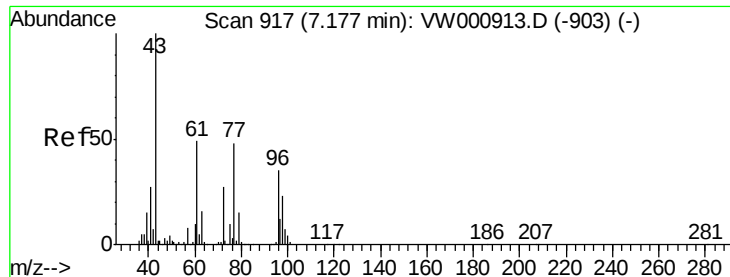
Tot Ion: 43 Resp: 279
Ion Ratio Lower Upper
43 100
74 9.0 20.5 30.7#



#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 :

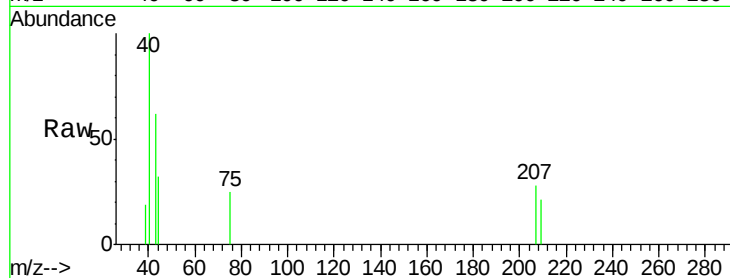
CL-01-012218-DRE

Tot 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

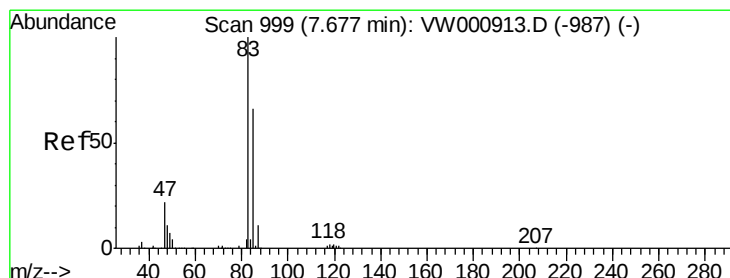
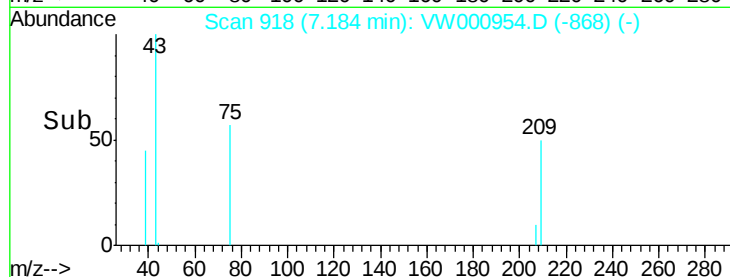
100

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

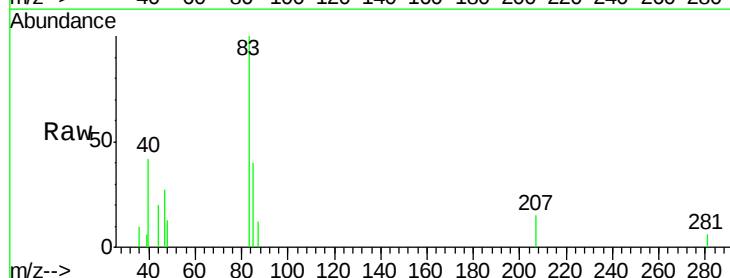
Acq: 24 Jan 2018 18:14

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

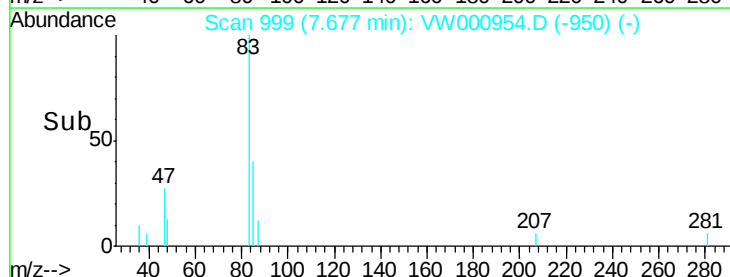
400

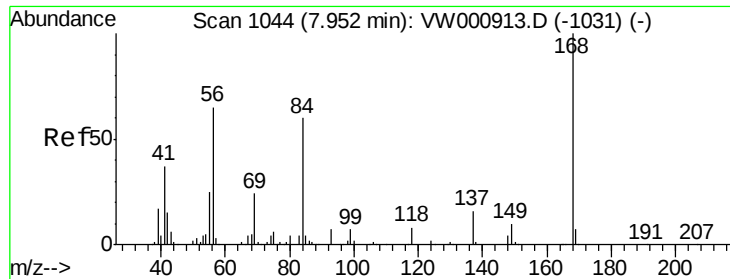
200

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

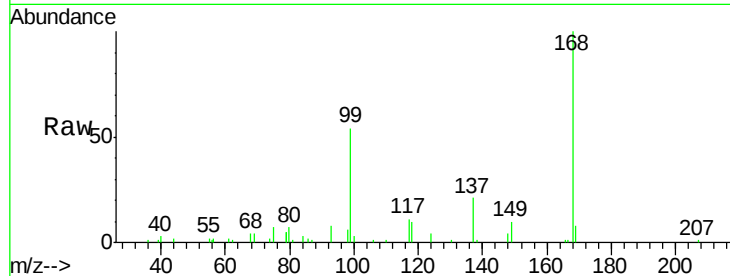
Tot Ion: 56 Resp: 542

Ion Ratio Lower Upper

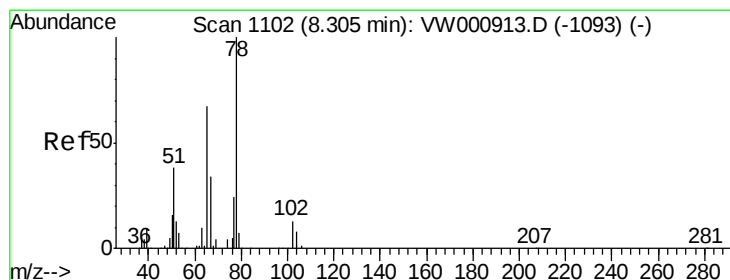
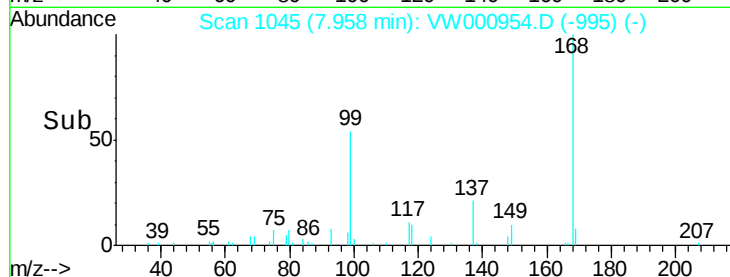
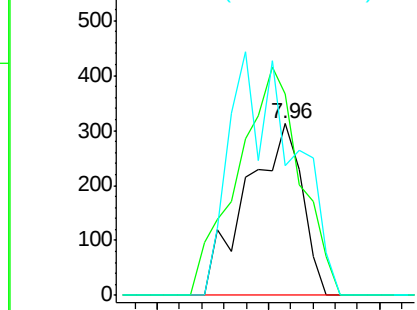
56 100

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

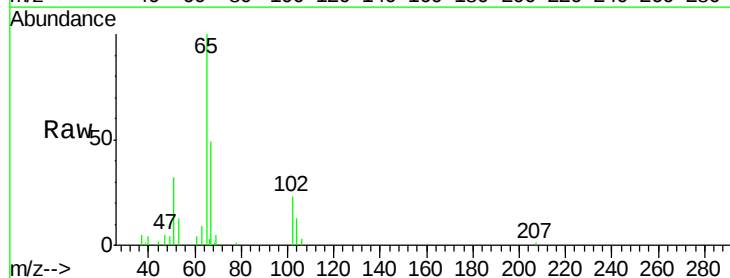
Acq: 24 Jan 2018 18:14

Tgt Ion: 65 Resp: 12094

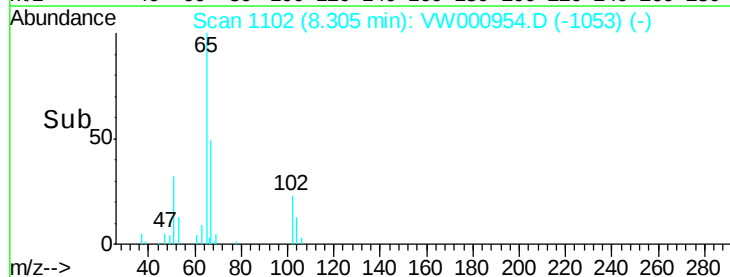
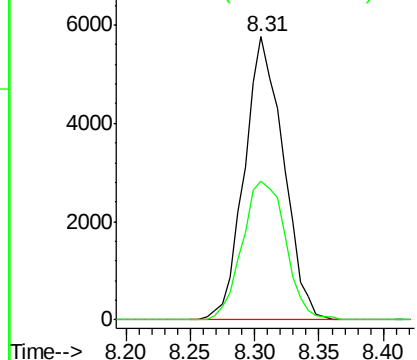
Ion Ratio Lower Upper

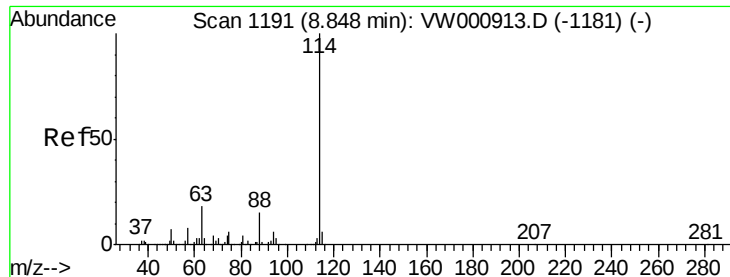
65 100

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

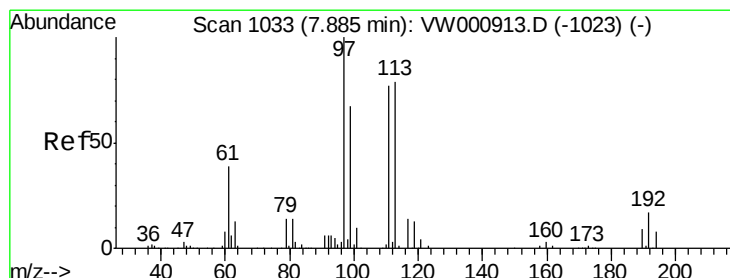
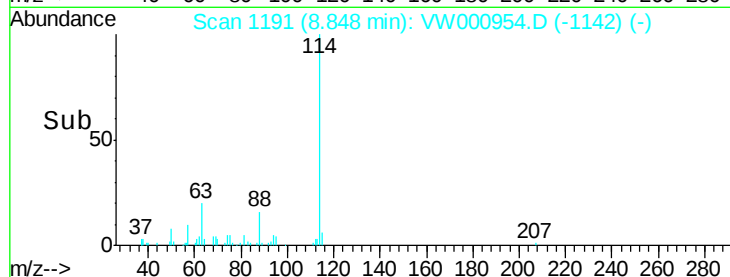
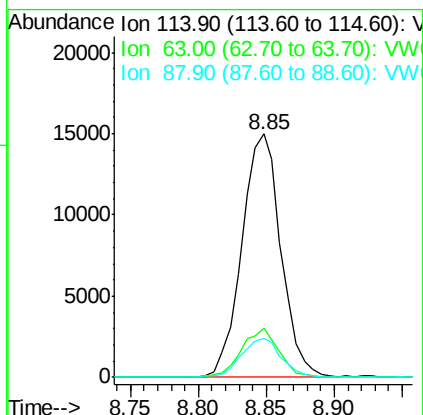
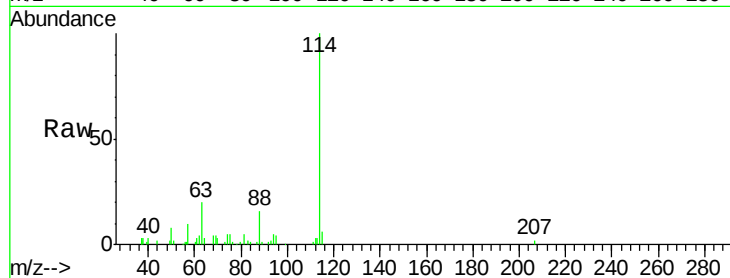




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VW000954.D
Acq: 24 Jan 2018 18:14

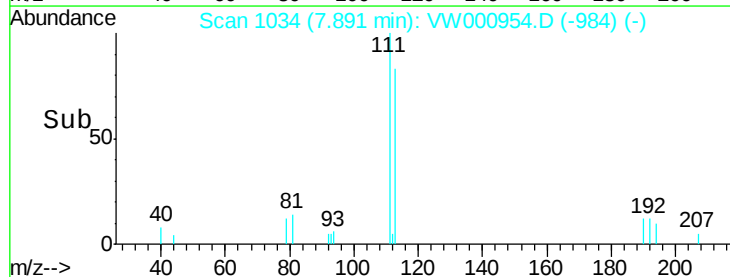
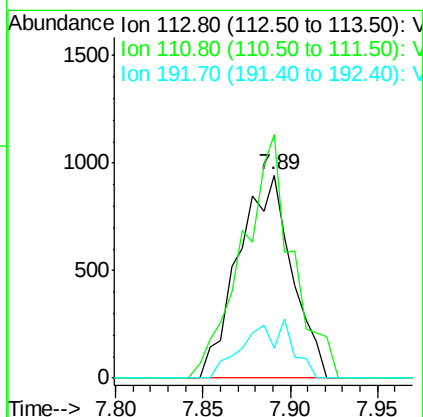
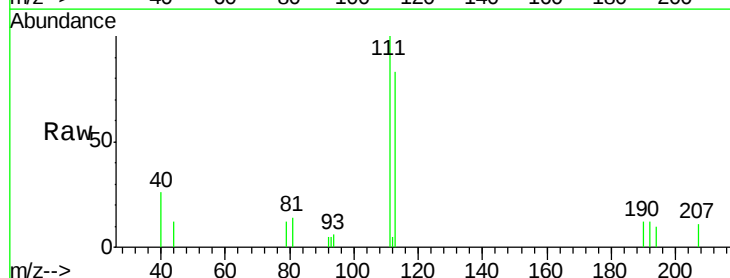
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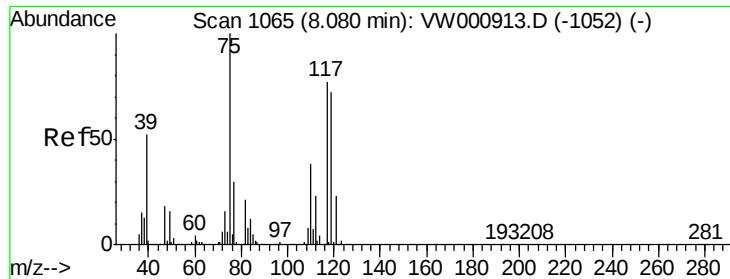
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	36.8
88	16.1	0.0	29.8



#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	Ratio	Lower	Upper
113	100		
111	111.3	80.4	120.6
192	25.0	17.0	25.4





#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

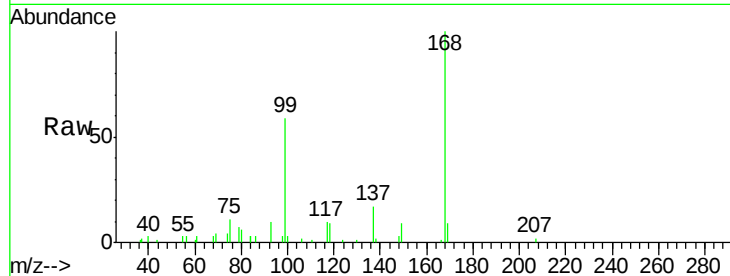
Tot Ion: 75 Resp: 1636

Ion Ratio Lower Upper

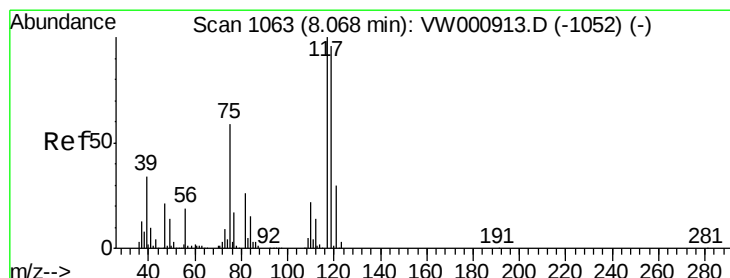
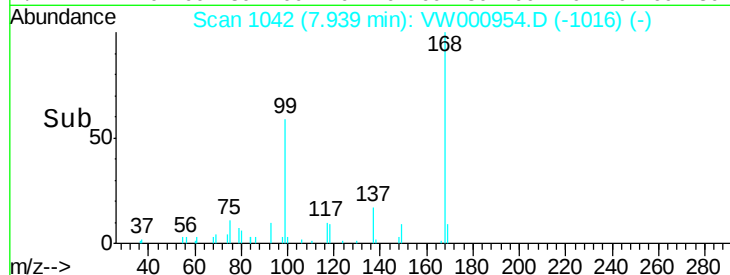
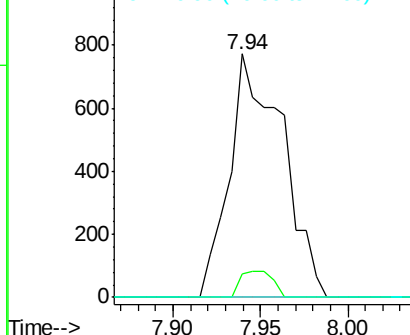
75 100

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

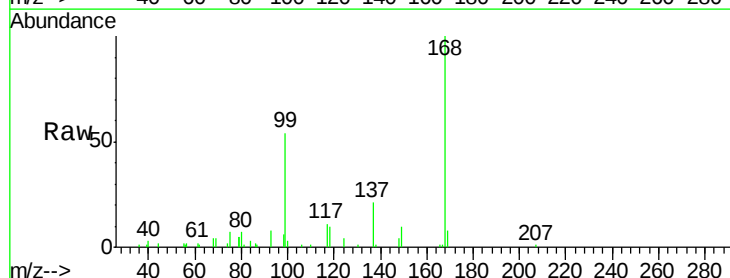
Tgt Ion: 117 Resp: 2207

Ion Ratio Lower Upper

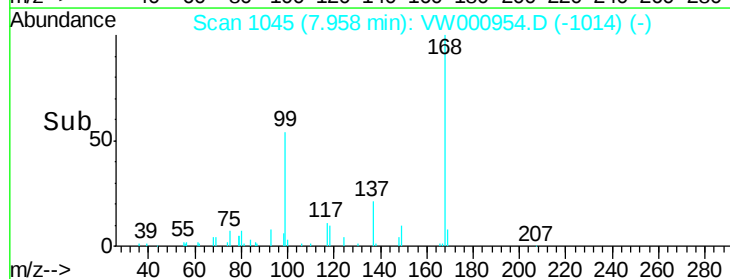
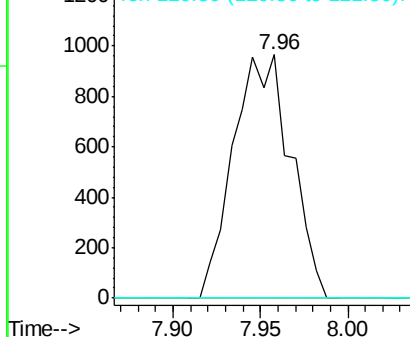
117 100

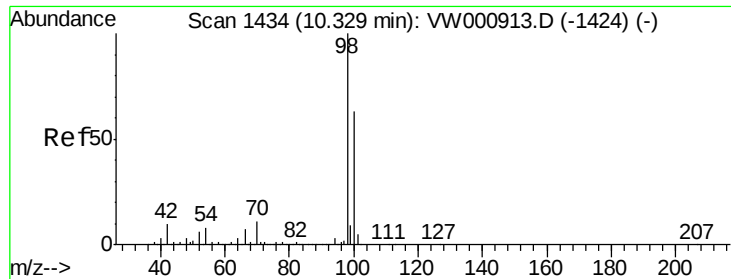
119 0.0 76.5 114.7#

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 :

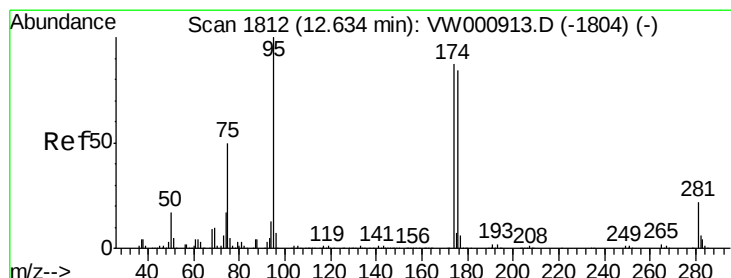
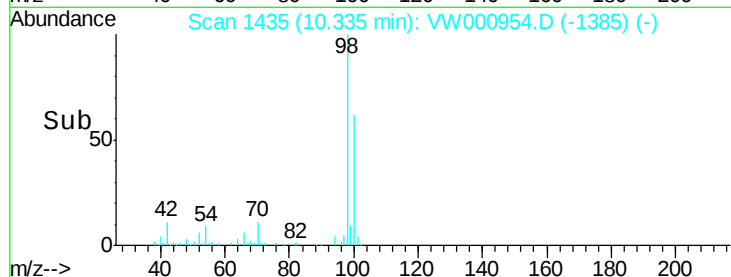
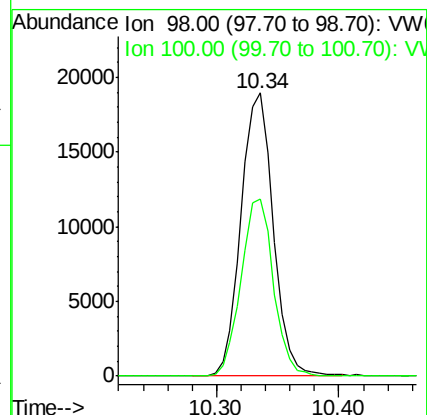
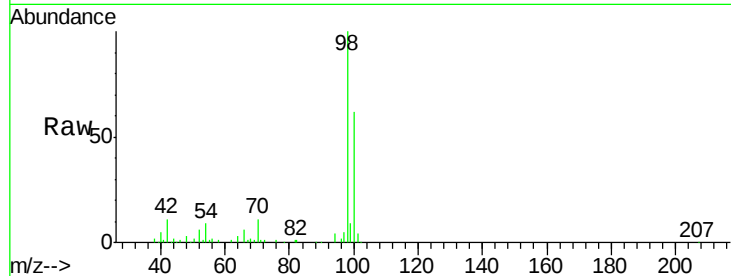
CL-01-012218-DRE

Tot 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

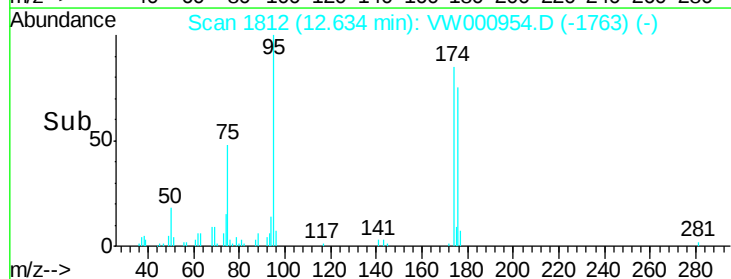
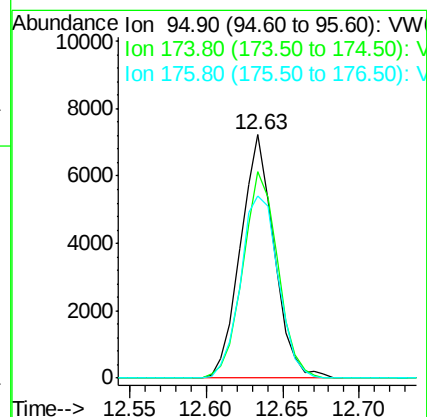
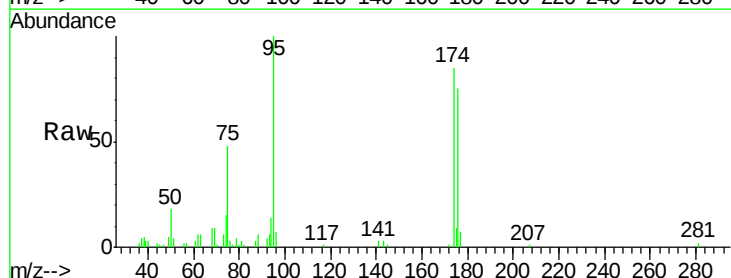
Tgt Ion: 95 Resp: 10979

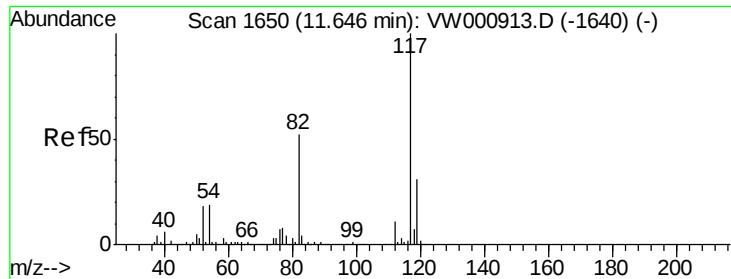
Ion Ratio Lower Upper

95 100

174 88.7 0.0 176.8

176 84.5 0.0 171.8

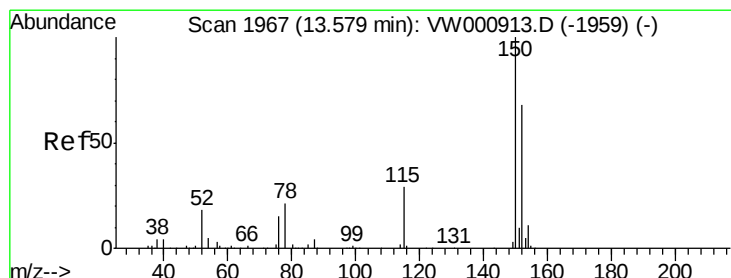
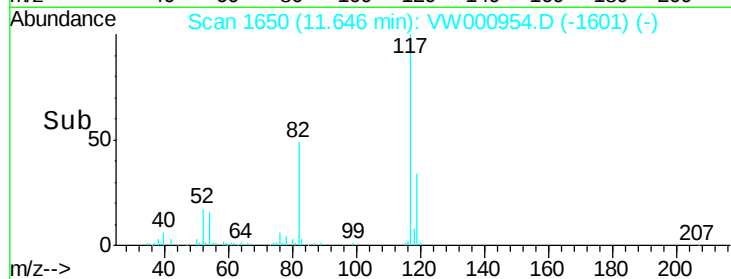
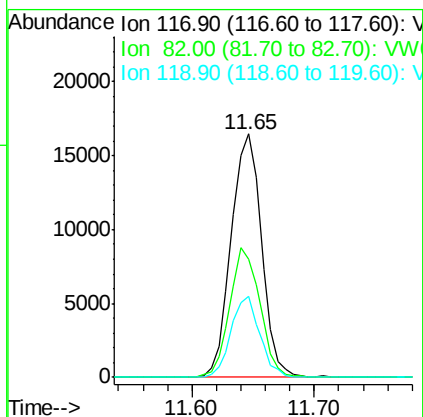
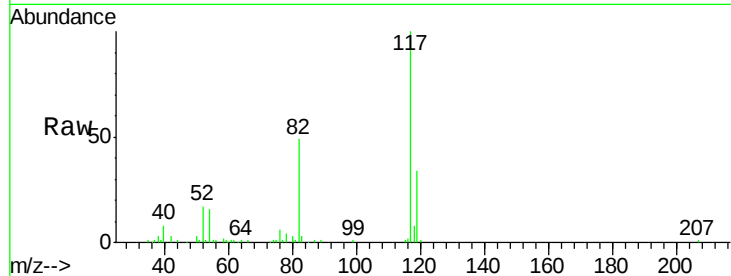




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VW000954.D
Acq: 24 Jan 2018 18:14

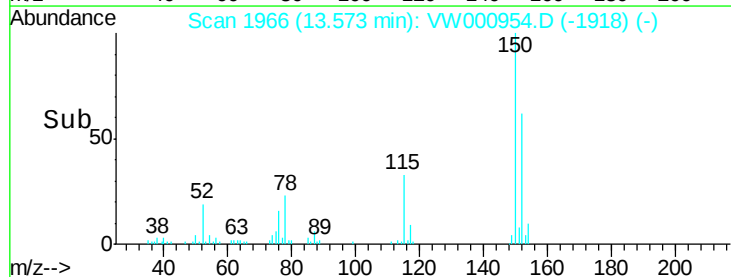
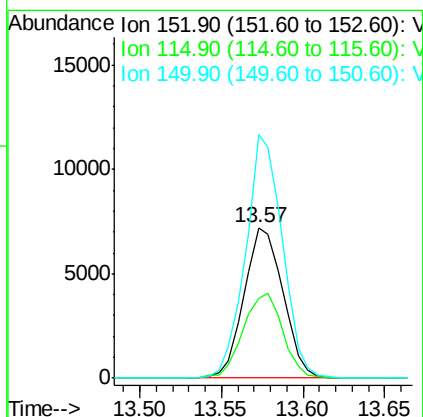
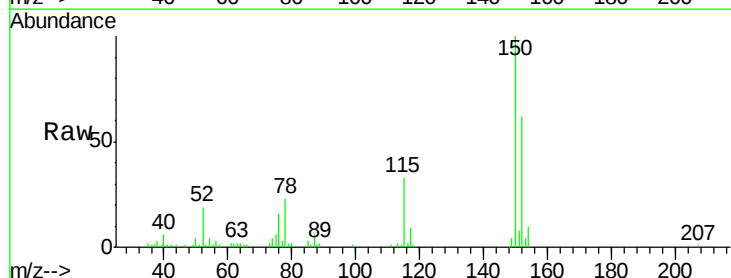
Instrument :
MSVOA_W
ClientSampleId :
CL-01-012218-DRE

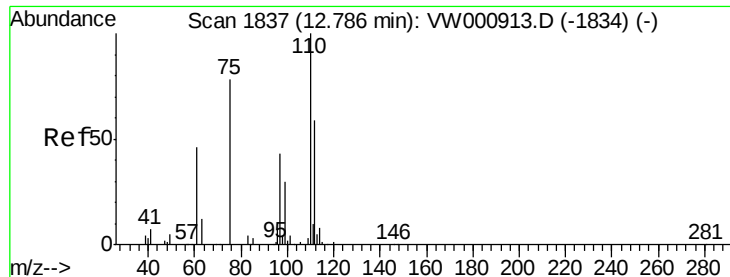
Tot Ion:117 Resp: 28367
Ion Ratio Lower Upper
117 100
82 48.7 41.8 62.6
119 33.5 25.2 37.8



#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





#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 :

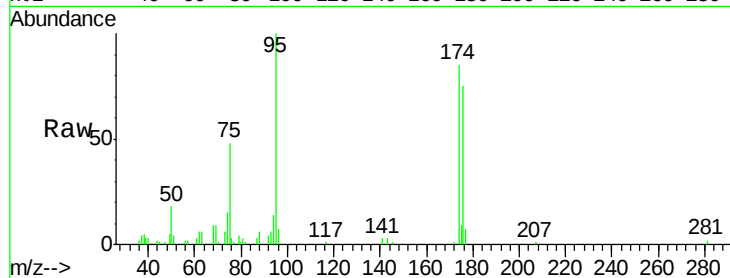
CL-01-012218-DRE

Tot Ion: 75 Resp: 5223

Ion Ratio Lower Upper

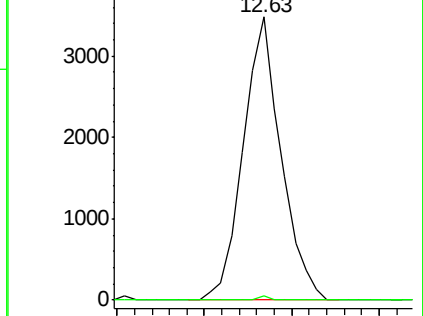
75 100

77 0.4 0.0 0.0#

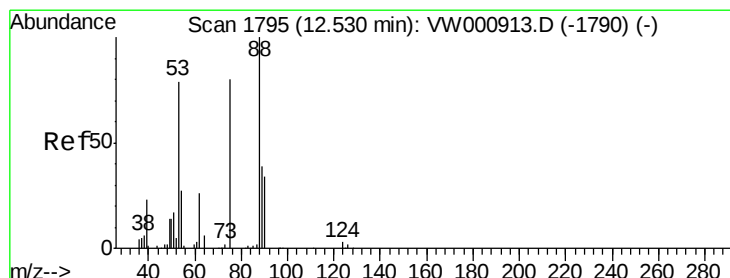
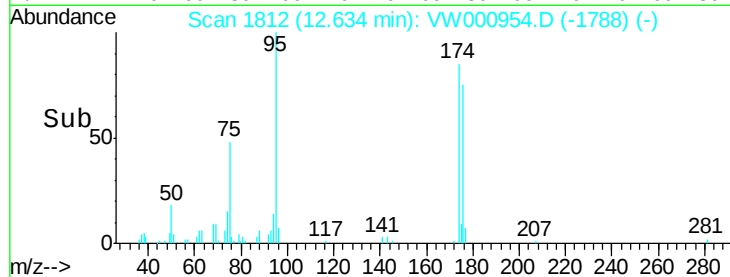


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



Time--> 12.55 12.60 12.65 12.70



#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

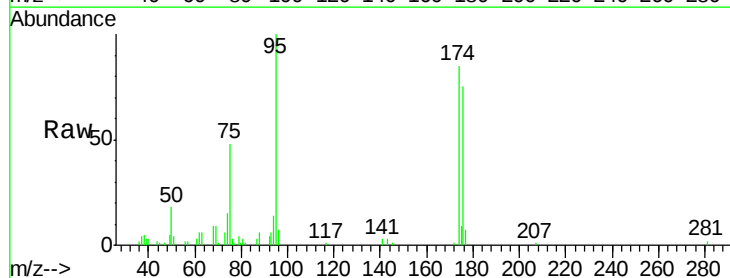
Tgt Ion: 75 Resp: 5223

Ion Ratio Lower Upper

75 100

53 0.0 77.5 116.3#

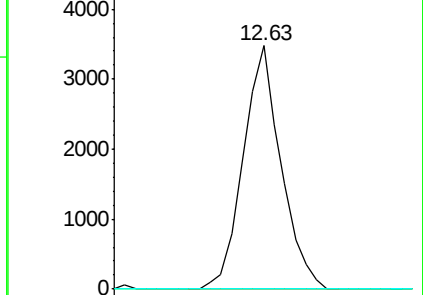
89 0.0 38.2 57.4#



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



Time--> 12.55 12.60 12.65 12.70

