

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000951.D
 Acq On : 24 Jan 2018 17:00
 Operator : JC/SY
 Sample : J1015-12RE
 Misc : 6.59G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jan 25 04:42:38 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	7.96	168	2723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	3639	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	2892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	1231	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	1495	57.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.56%	
35) Dibromofluoromethane	7.90	113	408	18.30	ug/l	0.01
Spiked Amount	50.000		Recovery	=	36.60%	
50) Toluene-d8	10.34	98	4450	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.63	95	1301	40.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.30%	

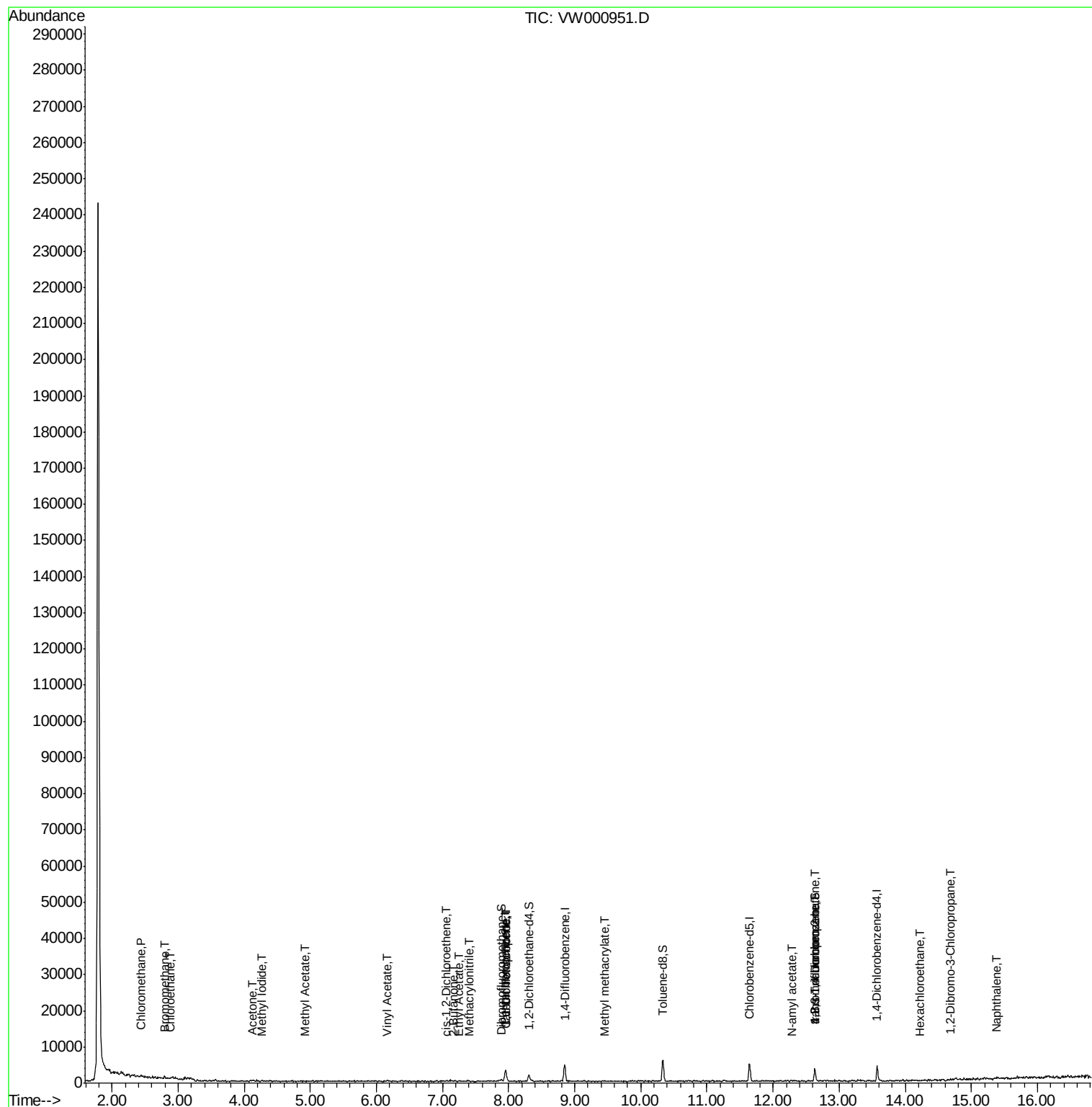
Target Compounds						Qvalue
3) Chloromethane	2.44	50	24	1.03	ug/l #	43
5) Bromomethane	2.81	94	72	4.60	ug/l #	65
6) Chloroethane	2.89	64	183	15.26	ug/l #	42
10) Methyl Iodide	4.26	142	20	5.52	ug/l #	40
16) Acetone	4.13	43	296	42.02	ug/l #	44
18) Methyl Acetate	4.91	43	26	1.35	ug/l #	49
23) Vinyl Acetate	6.16	43	40	1.05	ug/l #	70
25) 2-Butanone	7.17	43	26	2.25	ug/l #	48
27) cis-1,2-Dichloroethene	7.06	96	56	2.11	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	263	7.57	ug/l #	40
37) Ethyl Acetate	7.24	43	27	1.38	ug/l #	67
38) Carbon Tetrachloride	7.97	117	66	1.72	ug/l #	12
41) Methacrylonitrile	7.40	41	38	3.45	ug/l #	46
48) Methyl methacrylate	9.46	41	19	1.19	ug/l #	10
74) N-amyl acetate	12.29	43	26	1.35	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	661	46.40	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	661	110.39	ug/l #	10
90) Hexachloroethane	14.22	117	20	1.42	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.68	75	23	6.13	ug/l #	1
95) Naphthalene	15.39	128	86	1.51	ug/l #	69

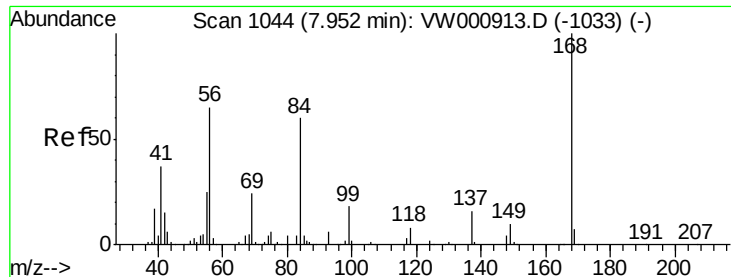
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.01 min

Lab File: VW000951.D

Acq: 24 Jan 2018 17:00

Instrument :

MSVOA_W

ClientSampleId :

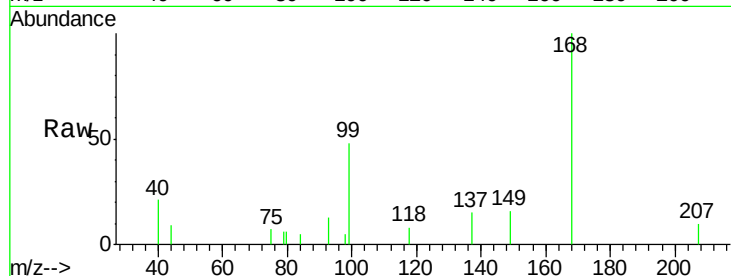
CL-01-012218-ARE

Tgt Ion:168 Resp: 2723

Ion Ratio Lower Upper

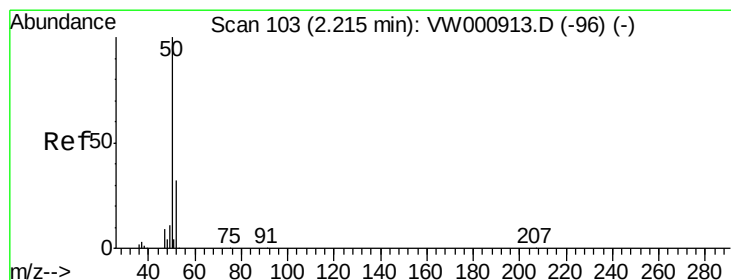
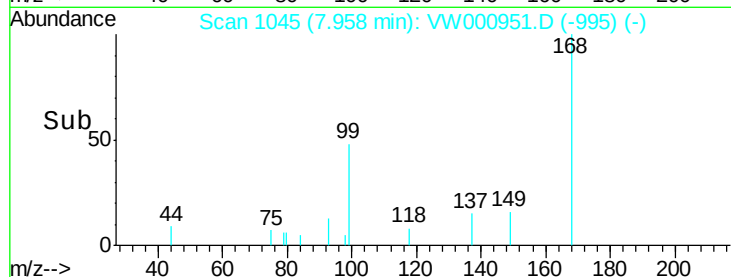
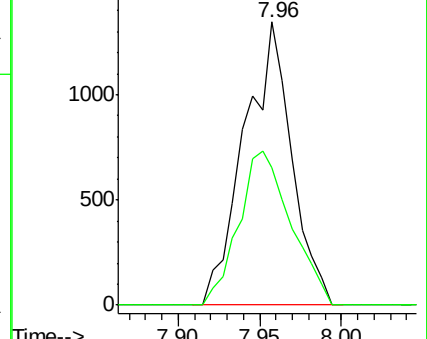
168 100

99 48.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.03 ug/l

RT: 2.44 min Scan# 140

Delta R.T. 0.23 min

Lab File: VW000951.D

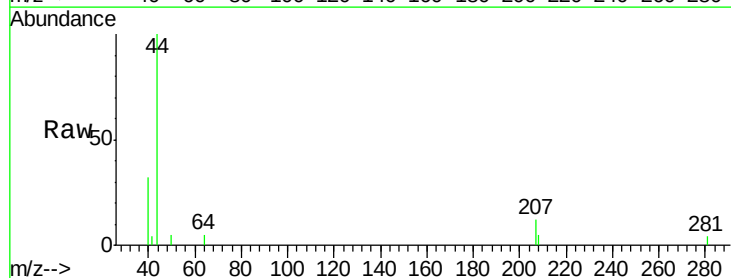
Acq: 24 Jan 2018 17:00

Tgt Ion: 50 Resp: 24

Ion Ratio Lower Upper

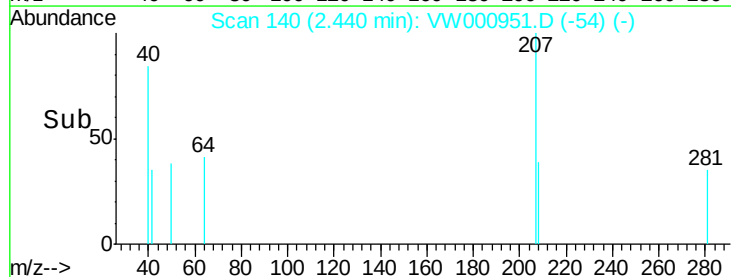
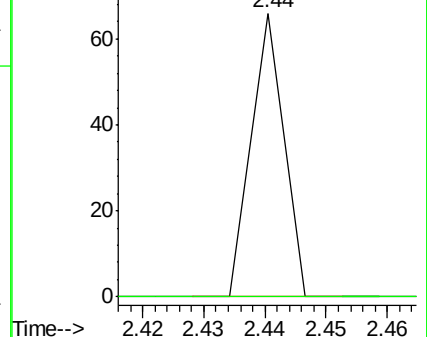
50 100

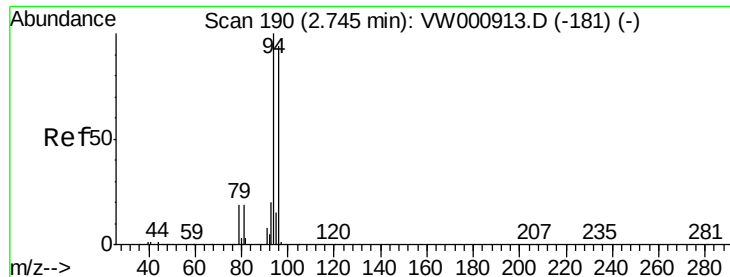
52 0.0 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#5

Bromomethane

Concen: 4.60 ug/l

RT: 2.81 min Scan# 200

Delta R.T. 0.06 min

Lab File: VW000951.D

Acq: 24 Jan 2018 17:00

Instrument :

MSVOA_W

ClientSampleId :

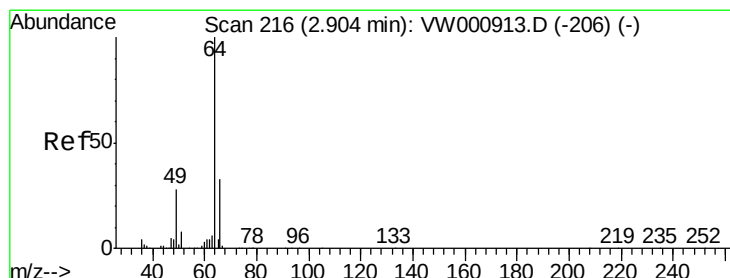
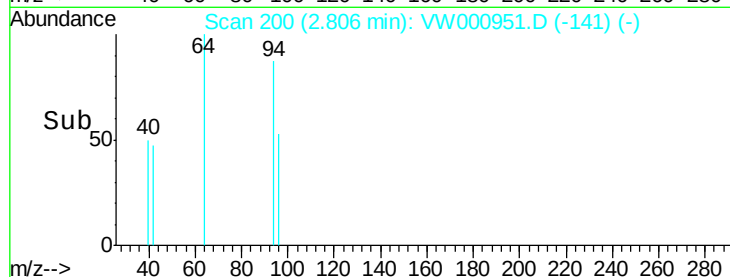
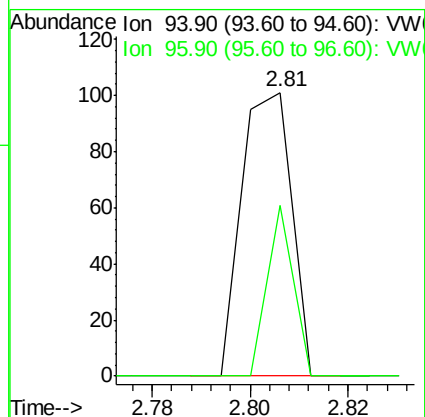
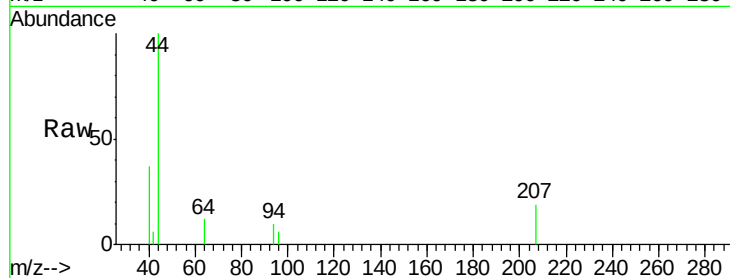
CL-01-012218-ARE

Tgt Ion: 94 Resp: 72

Ion Ratio Lower Upper

94 100

96 60.4 75.5 113.3#



#6

Chloroethane

Concen: 15.26 ug/l

RT: 2.89 min Scan# 213

Delta R.T. -0.02 min

Lab File: VW000951.D

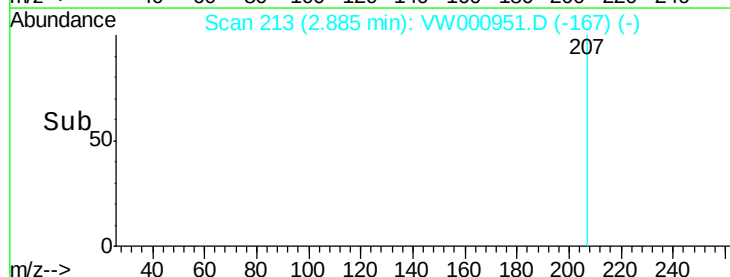
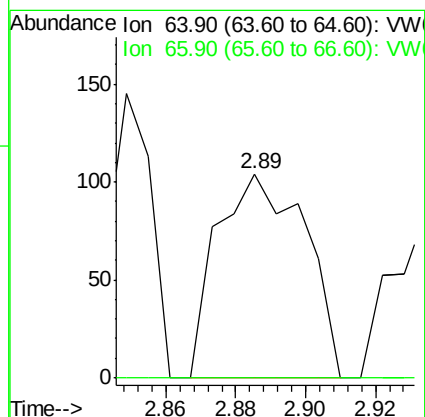
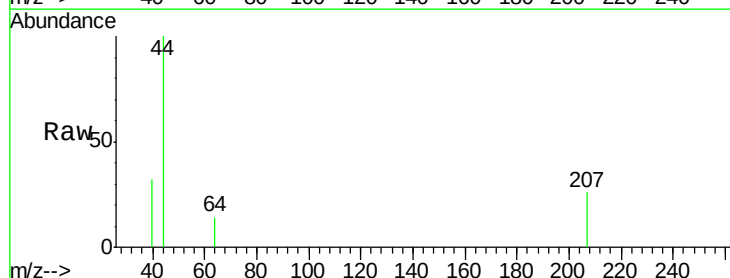
Acq: 24 Jan 2018 17:00

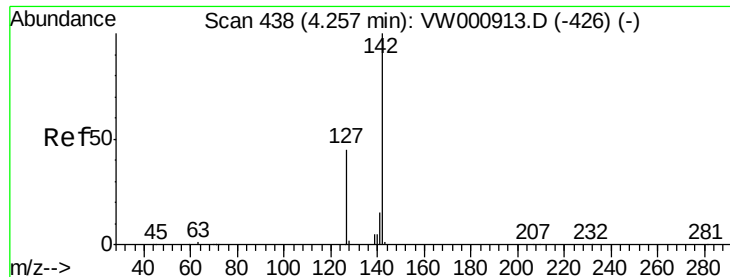
Tgt Ion: 64 Resp: 183

Ion Ratio Lower Upper

64 100

66 0.0 26.1 39.1#

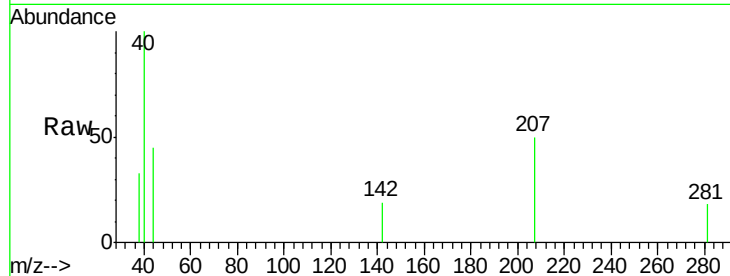




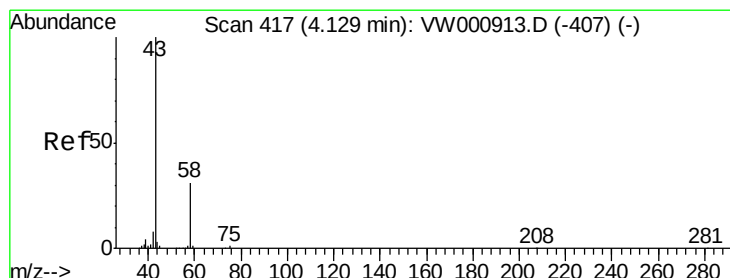
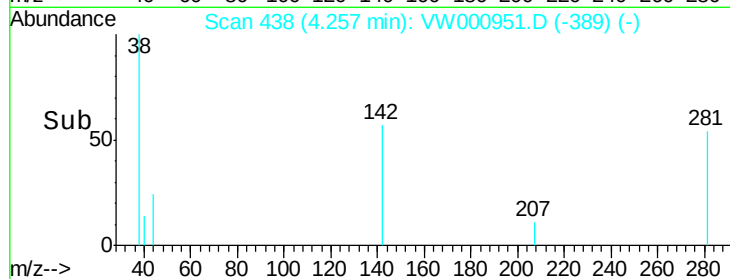
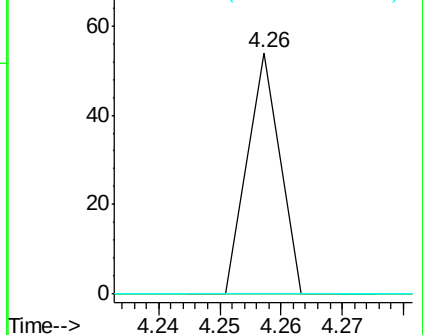
#10
Methyl Iodide
Concen: 5.52 ug/l
RT: 4.26 min Scan# 438
Delta R.T. 0.00 min
Lab File: VW000951.D
Acq: 24 Jan 2018 17:00

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

Tgt Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.5	53.3#
141	0.0	11.7	17.5#

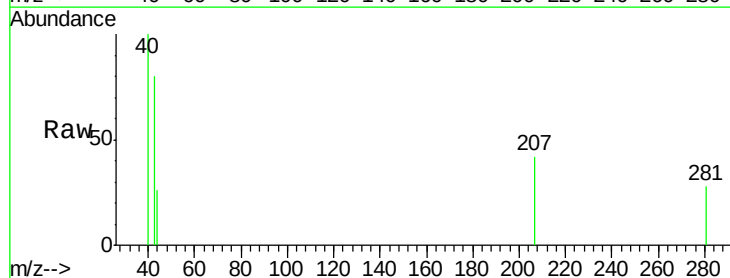


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

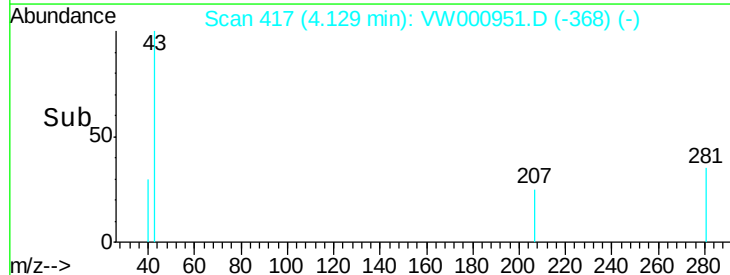
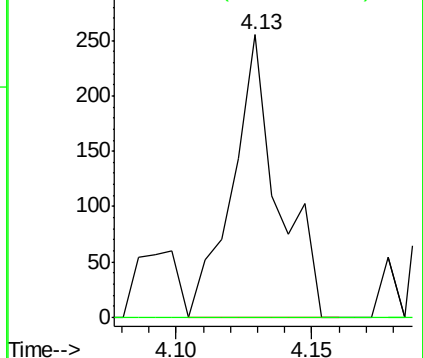


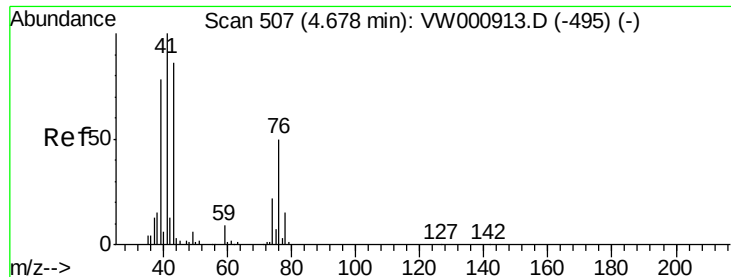
#16
Acetone
Concen: 42.02 ug/l
RT: 4.13 min Scan# 417
Delta R.T. 0.00 min
Lab File: VW000951.D
Acq: 24 Jan 2018 17:00

Tgt 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

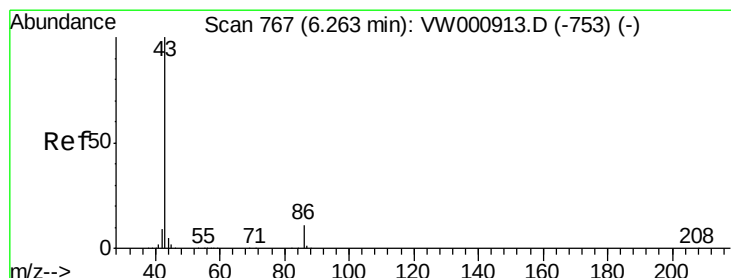
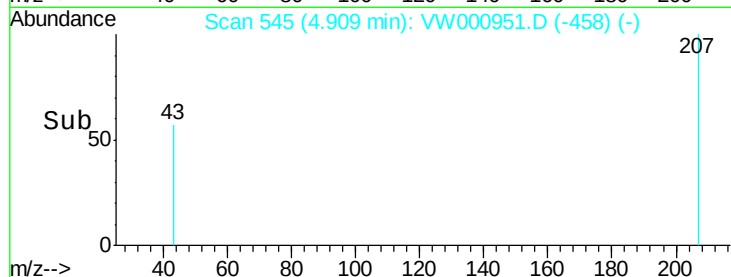
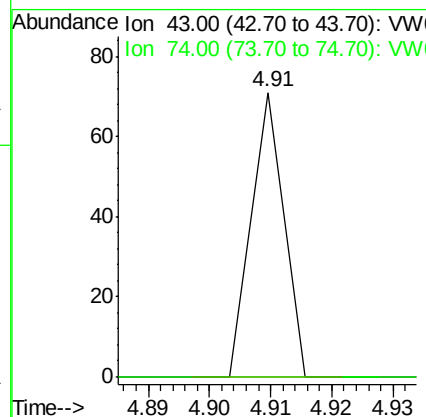
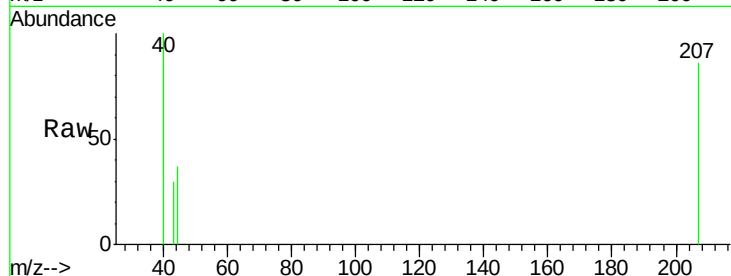




#18
Methyl Acetate
Concen: 1.35 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.23 min
Lab File: VW000951.D
Acq: 24 Jan 2018 17:00

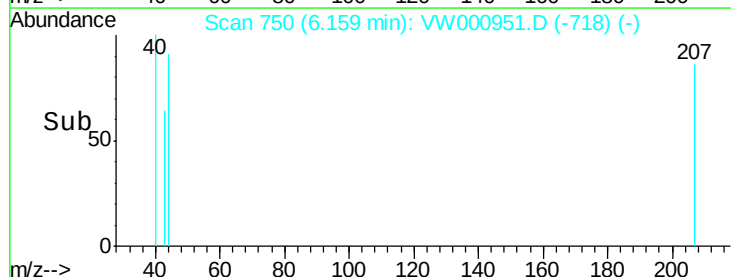
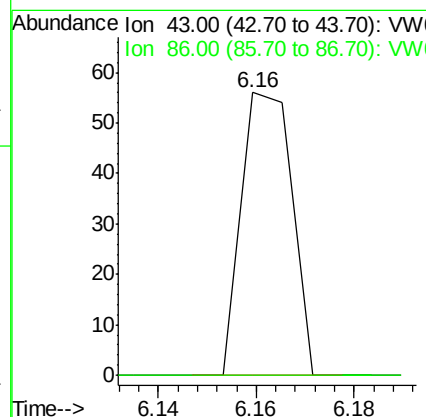
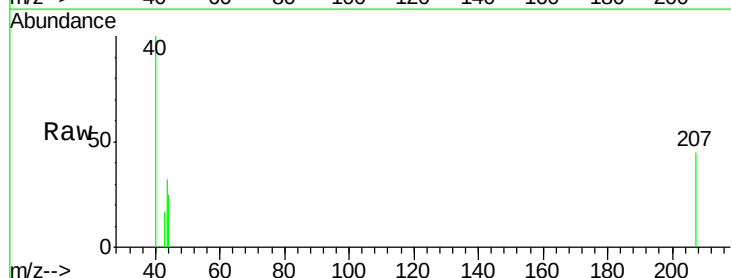
Instrument :
MSVOA_W
ClientSampleId :
CL-01-012218-ARE

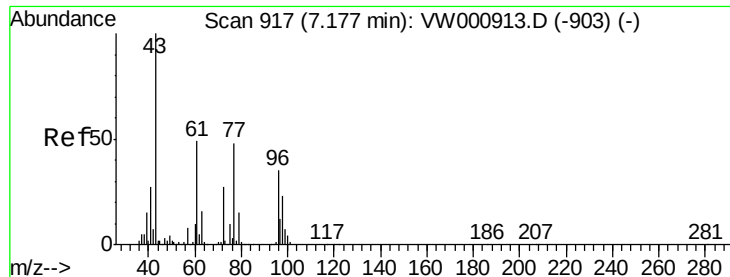
Tgt Ion: 43 Resp: 26
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#



#23
Vinyl Acetate
Concen: 1.05 ug/l
RT: 6.16 min Scan# 750
Delta R.T. -0.10 min
Lab File: VW000951.D
Acq: 24 Jan 2018 17:00

Tgt Ion: 43 Resp: 40
Ion Ratio Lower Upper
43 100
86 0.0 9.1 13.7#





#25

2-Butanone

Concen: 2.25 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW000951.D

Acq: 24 Jan 2018 17:00

Instrument :

MSVOA_W

ClientSampleId :

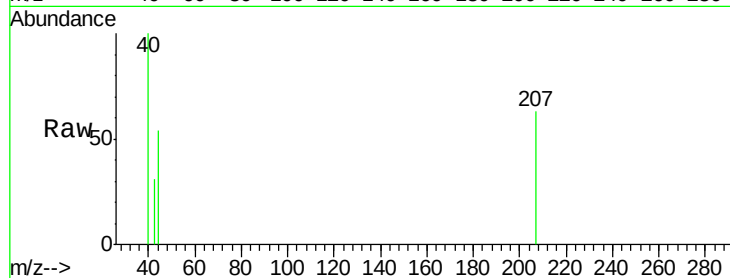
CL-01-012218-ARE

Tgt Ion: 43 Resp: 26

Ion Ratio Lower Upper

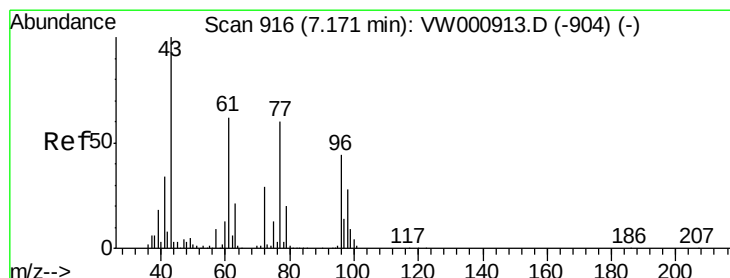
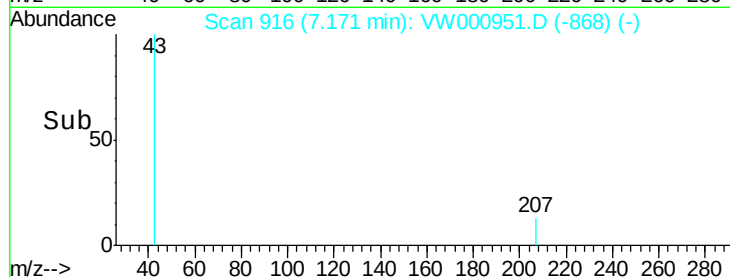
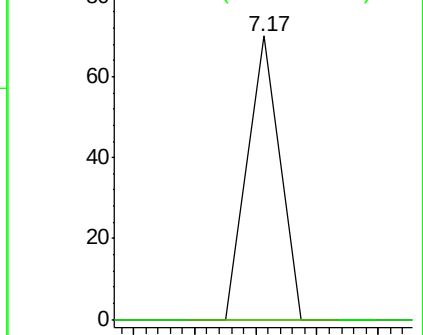
43 100

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



#27

cis-1,2-Dichloroethene

Concen: 2.11 ug/l

RT: 7.06 min Scan# 897

Delta R.T. -0.12 min

Lab File: VW000951.D

Acq: 24 Jan 2018 17:00

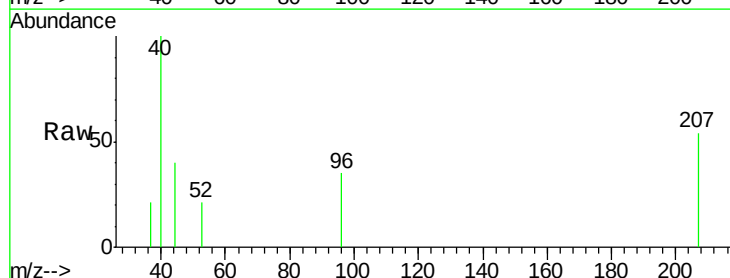
Tgt Ion: 96 Resp: 56

Ion Ratio Lower Upper

96 100

61 0.0 0.0 279.8

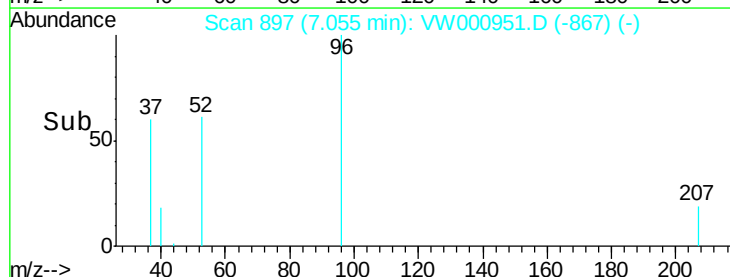
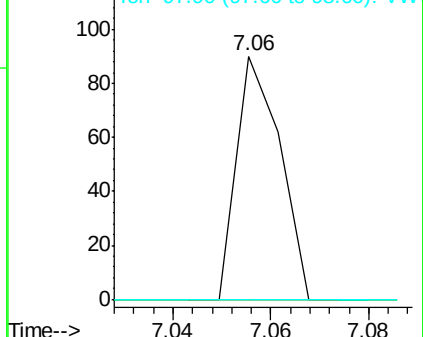
98 0.0 0.0 127.6

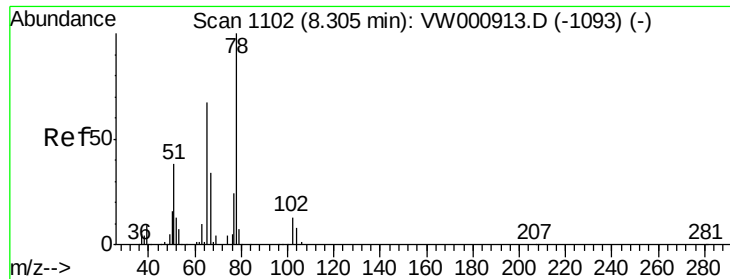


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

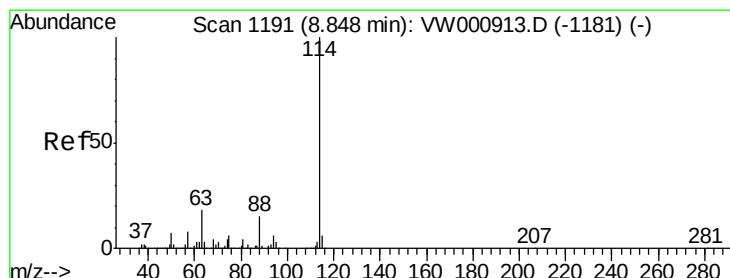
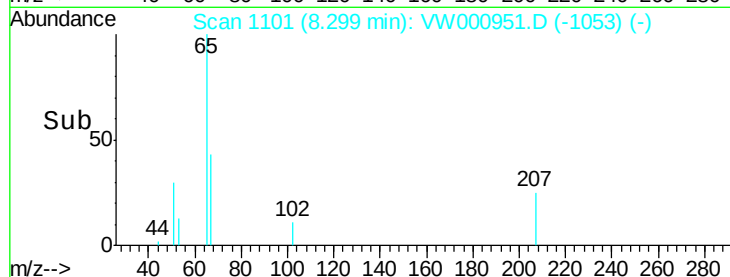
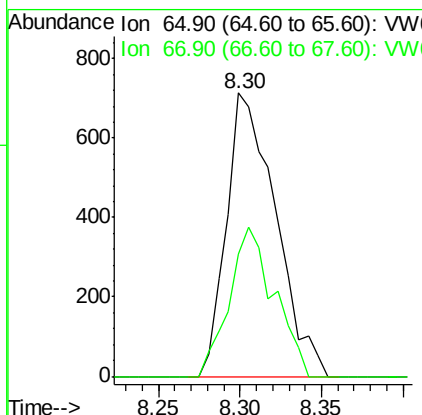
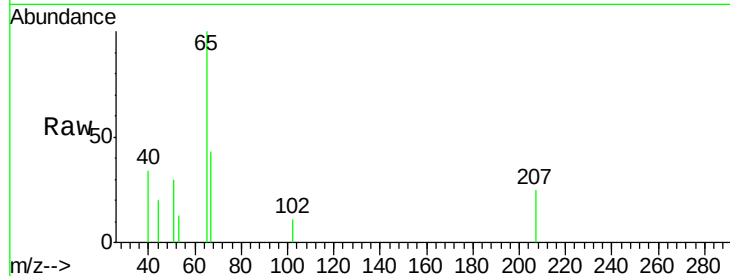




#33
 1,2-Dichloroethane-d4
 Concen: 57.28 ug/l
 RT: 8.30 min Scan# 1101
 Delta R.T. -0.01 min
 Lab File: VW000951.D
 Acq: 24 Jan 2018 17:00

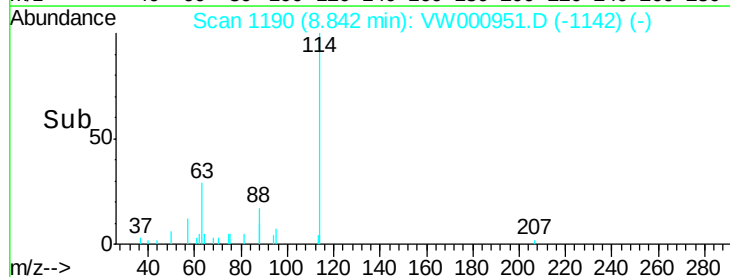
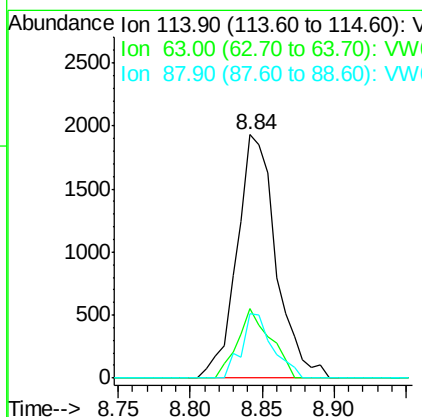
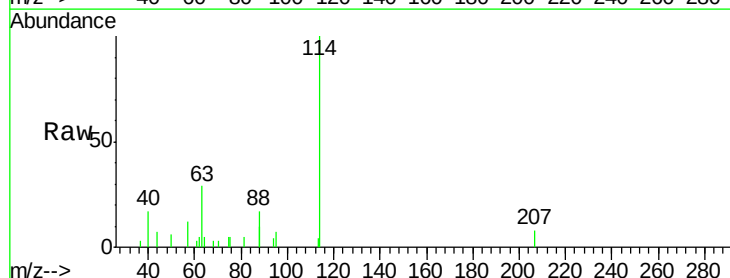
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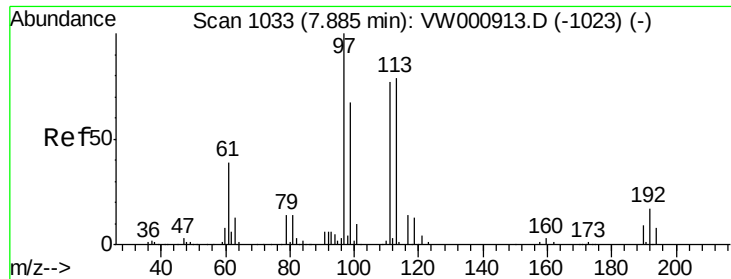
Tgt Ion: 65 Resp: 1495
 Ion Ratio Lower Upper
 65 100
 67 47.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW000951.D
 Acq: 24 Jan 2018 17:00

Tgt Ion: 114 Resp: 3639
 Ion Ratio Lower Upper
 114 100
 63 28.6 0.0 36.8
 88 26.3 0.0 29.8

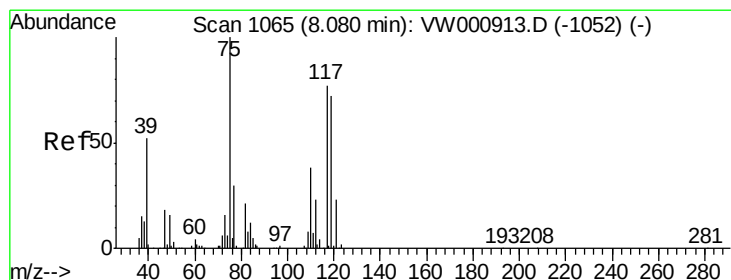
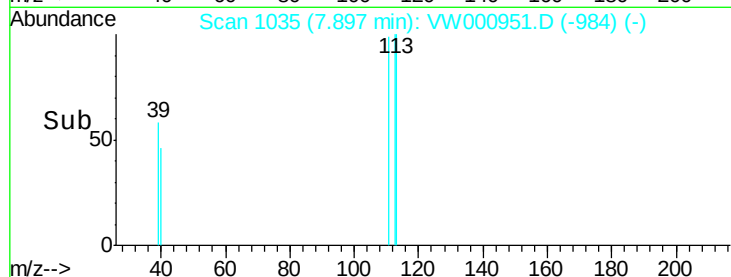
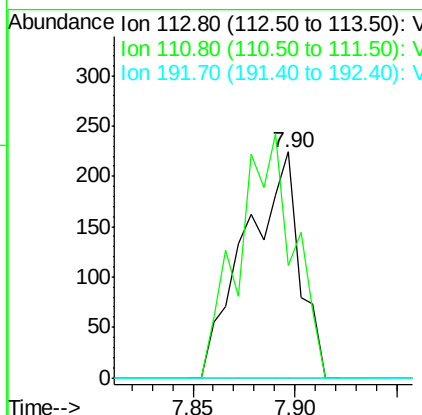
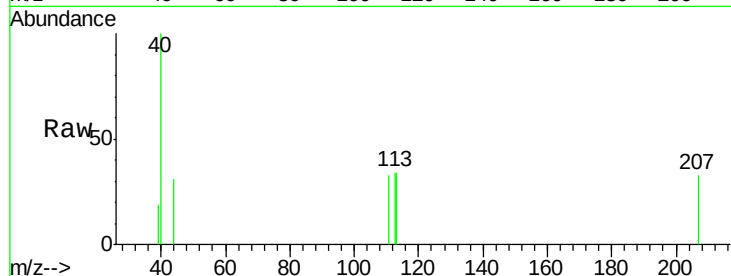




#35
 Dibromofluoromethane
 Concen: 18.30 ug/l
 RT: 7.90 min Scan# 1035
 Delta R.T. 0.01 min
 Lab File: VW000951.D
 Acq: 24 Jan 2018 17:00

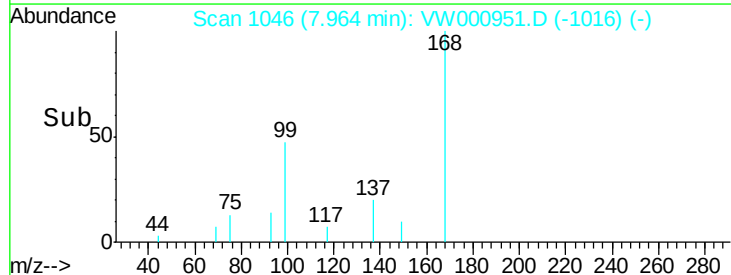
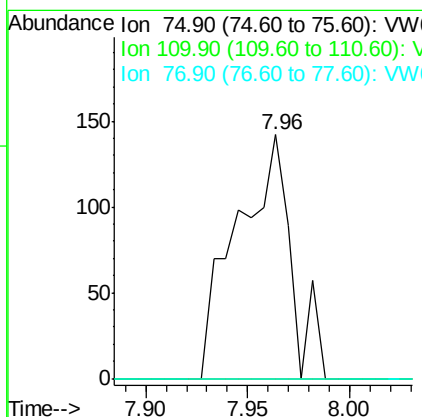
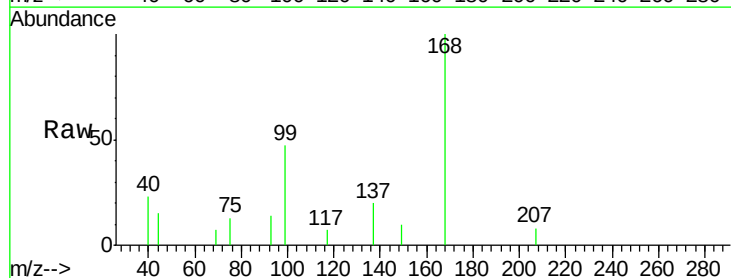
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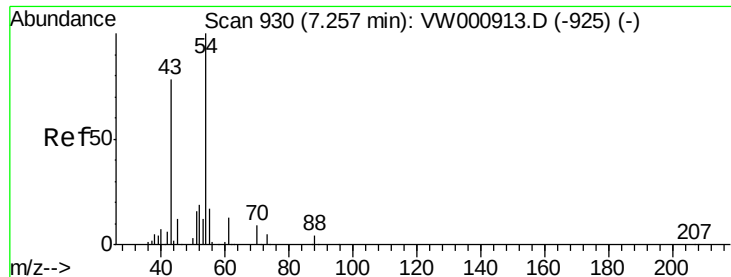
Tgt Ion: 113 Resp: 408
 Ion Ratio Lower Upper
 113 100
 111 111.5 80.4 120.6
 192 0.0 17.0 25.4#



#36
 1,1-Dichloropropene
 Concen: 7.57 ug/l
 RT: 7.96 min Scan# 1046
 Delta R.T. -0.12 min
 Lab File: VW000951.D
 Acq: 24 Jan 2018 17:00

Tgt Ion: 75 Resp: 263
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.6 56.0#
 77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.38 ug/l

RT: 7.24 min Scan# 928

Delta R.T. -0.01 min

Lab File: VW000951.D

Acq: 24 Jan 2018 17:00

Instrument :

MSVOA_W

ClientSampleId :

CL-01-012218-ARE

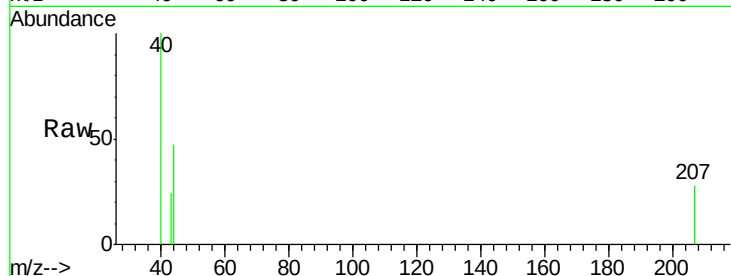
Tgt Ion: 43 Resp: 27

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

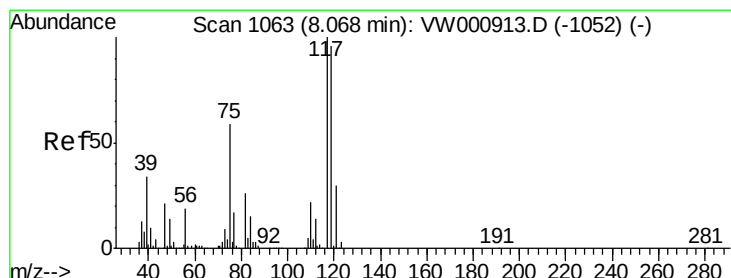
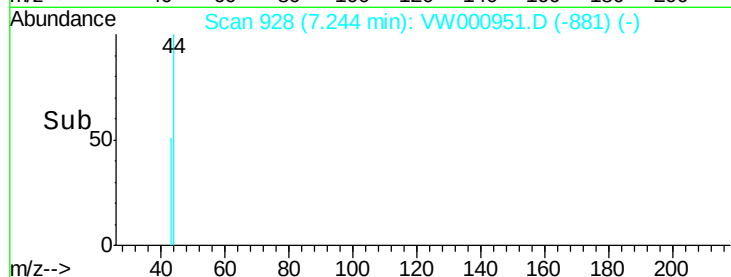
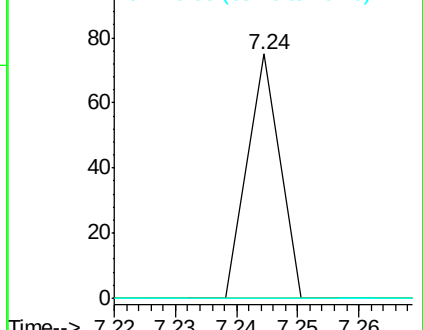
70 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 1.72 ug/l

RT: 7.97 min Scan# 1047

Delta R.T. -0.10 min

Lab File: VW000951.D

Acq: 24 Jan 2018 17:00

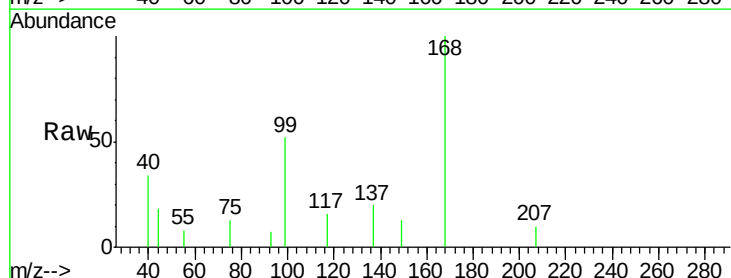
Tgt Ion: 117 Resp: 66

Ion Ratio Lower Upper

117 100

119 0.0 76.5 114.7#

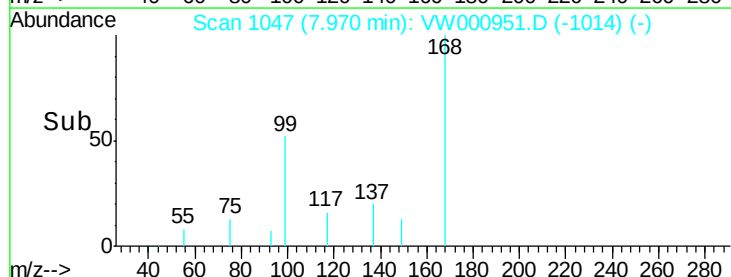
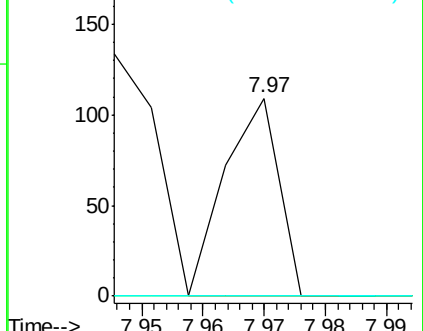
121 0.0 24.3 36.5#

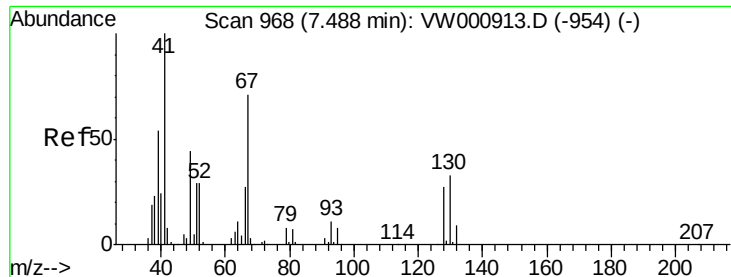


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

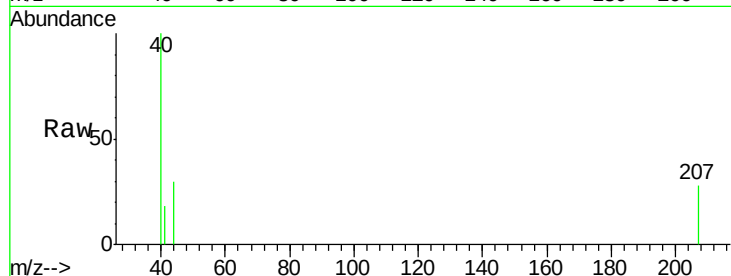




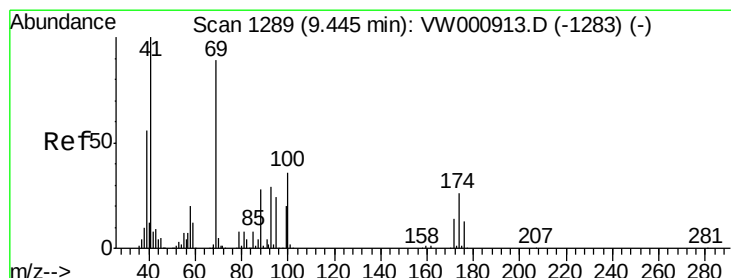
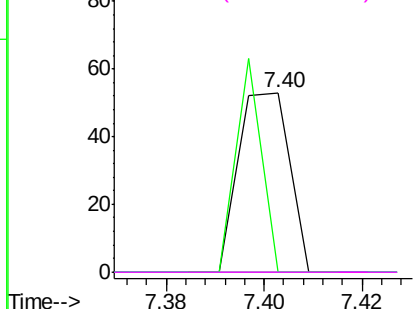
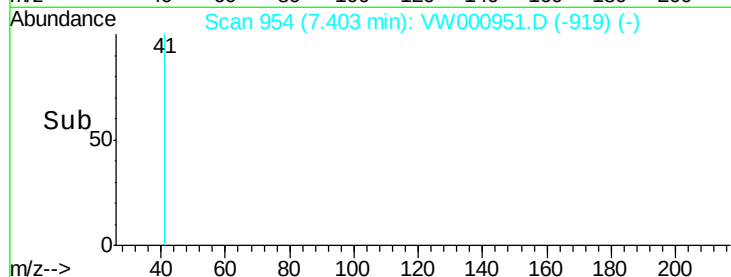
#41
Methacrylonitrile
Concen: 3.45 ug/l
RT: 7.40 min Scan# 954
Delta R.T. -0.09 min
Lab File: VW000951.D
Acq: 24 Jan 2018 17:00

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

Tgt Ion:	41	Resp:	38
Ion	Ratio	Lower	Upper
41	100		
39	60.5	43.4	65.0
67	0.0	59.0	88.4#
52	0.0	24.6	36.8#

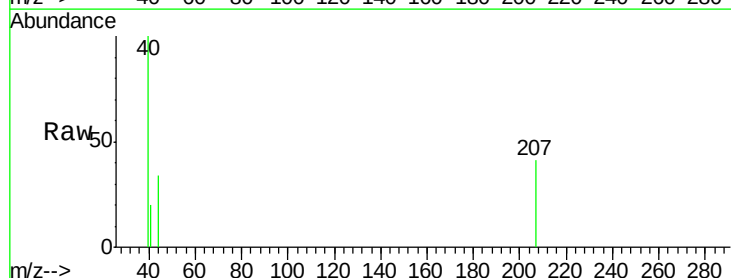


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

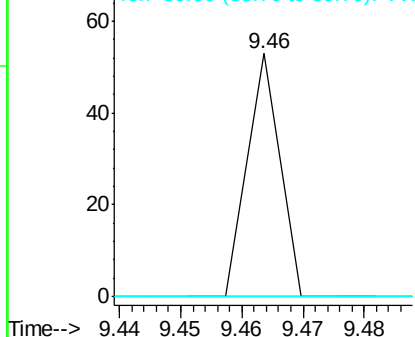
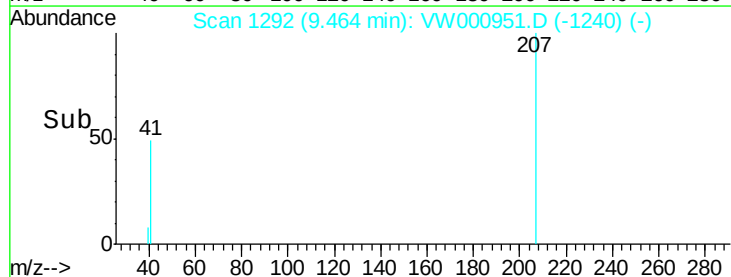


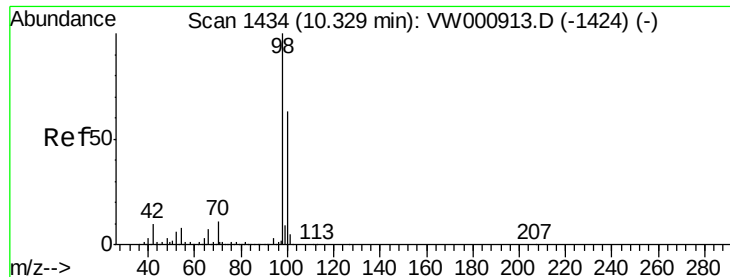
#48
Methyl methacrylate
Concen: 1.19 ug/l
RT: 9.46 min Scan# 1292
Delta R.T. 0.02 min
Lab File: VW000951.D
Acq: 24 Jan 2018 17:00

Tgt Ion:	41	Resp:	19
Ion	Ratio	Lower	Upper
41	100		
69	0.0	72.9	109.3#
39	0.0	48.4	72.6#



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: 50.63 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW000951.D

Acq: 24 Jan 2018 17:00

Instrument :

MSVOA_W

ClientSampleId :

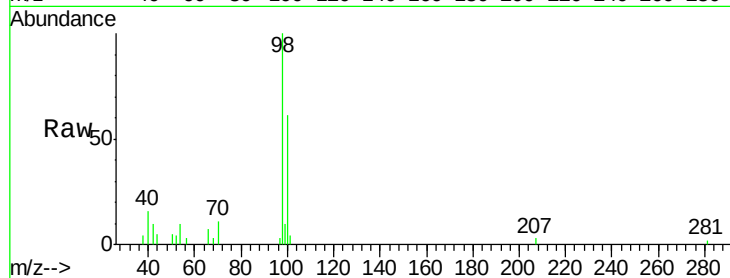
CL-01-012218-ARE

Tgt Ion: 98 Resp: 4450

Ion Ratio Lower Upper

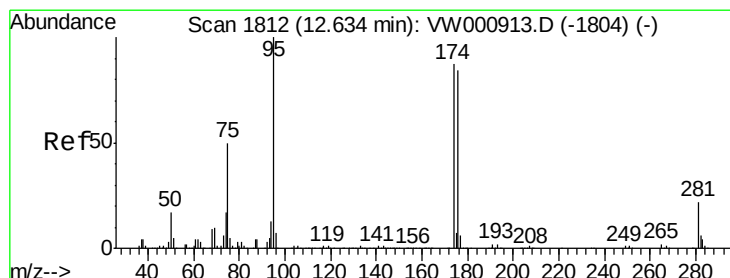
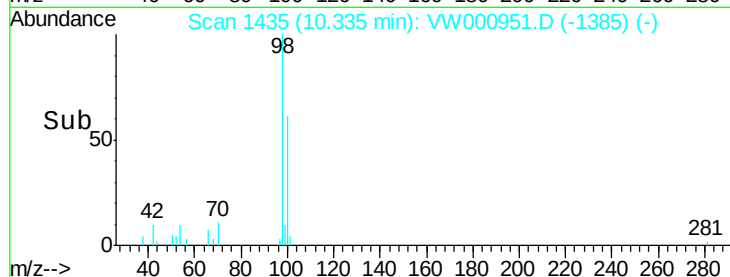
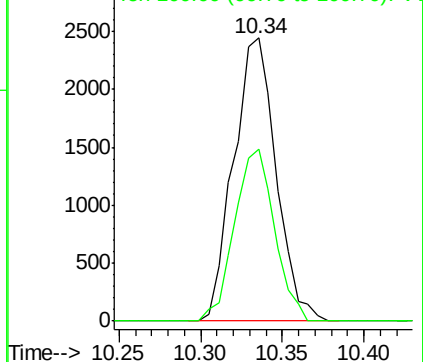
98 100

100 56.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 40.65 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VW000951.D

Acq: 24 Jan 2018 17:00

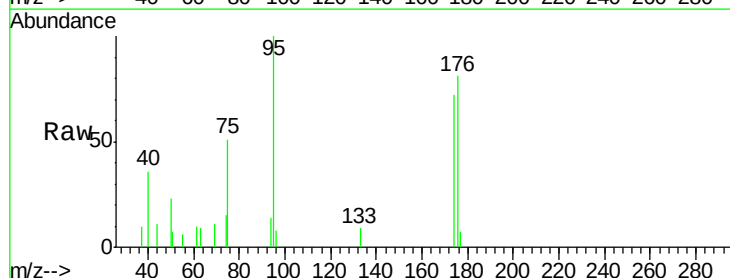
Tgt Ion: 95 Resp: 1301

Ion Ratio Lower Upper

95 100

174 88.9 0.0 176.8

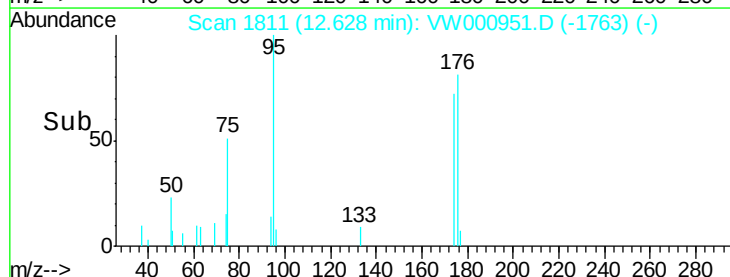
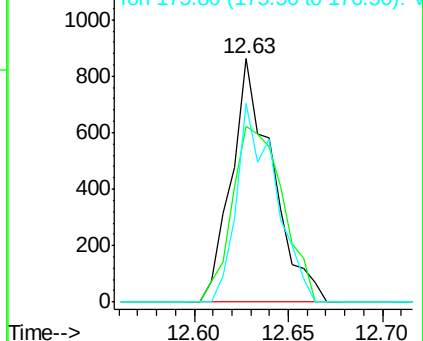
176 77.1 0.0 171.8

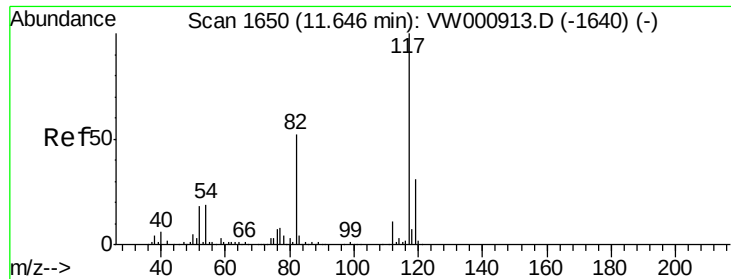


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

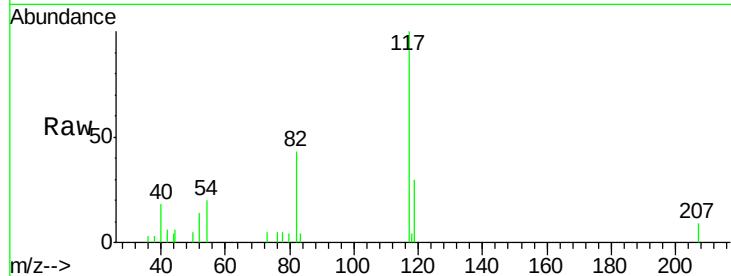




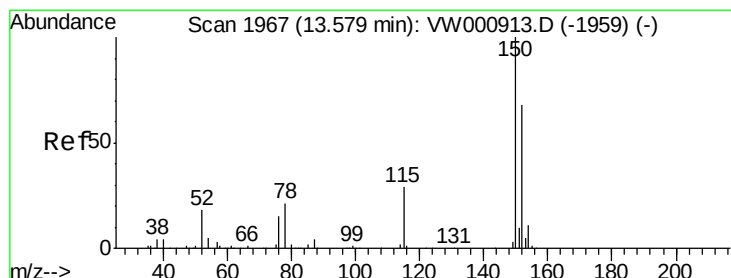
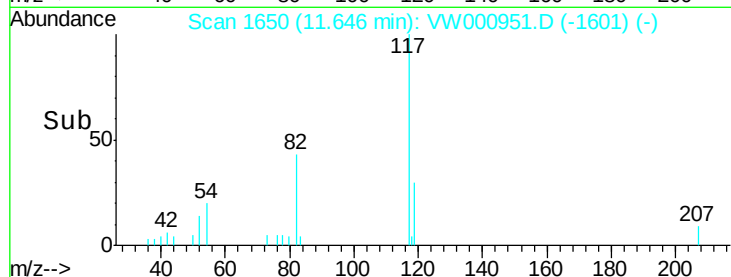
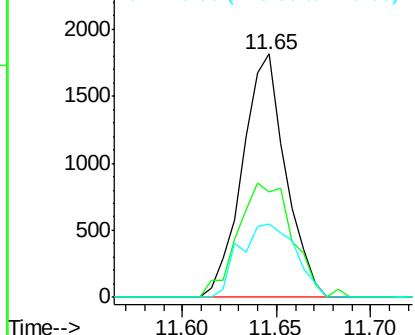
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VW000951.D
Acq: 24 Jan 2018 17:00

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

Tgt Ion:117 Resp: 2892
Ion Ratio Lower Upper
117 100
82 43.1 41.8 62.6
119 30.2 25.2 37.8

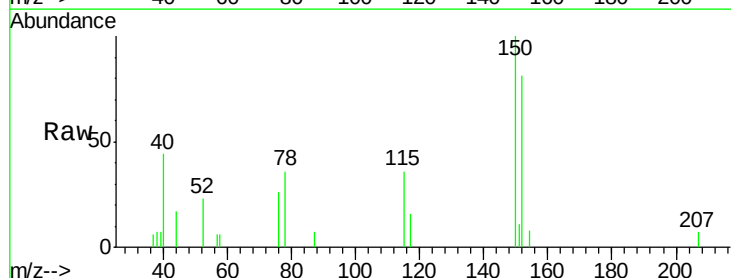


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

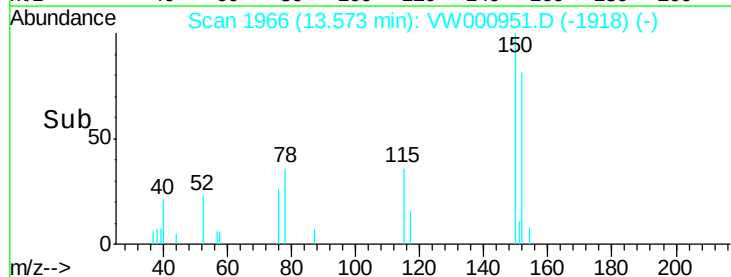
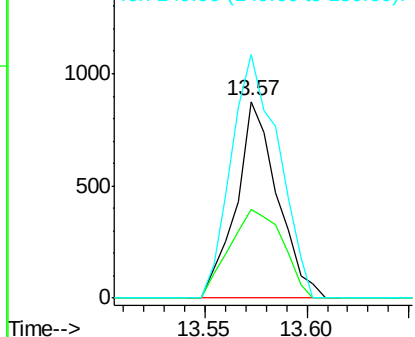


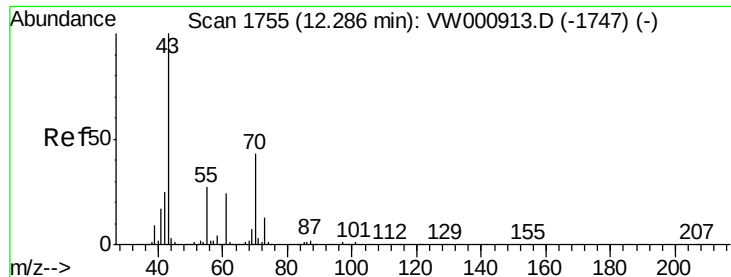
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.01 min
Lab File: VW000951.D
Acq: 24 Jan 2018 17:00

Tgt Ion:152 Resp: 1231
Ion Ratio Lower Upper
152 100
115 57.8 28.5 85.5
150 141.8 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





#74

N-ethyl acetate

Concen: 1.35 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VW000951.D

Acq: 24 Jan 2018 17:00

Instrument :

MSVOA_W

ClientSampleId :

CL-01-012218-ARE

Tgt Ion: 43 Resp: 26

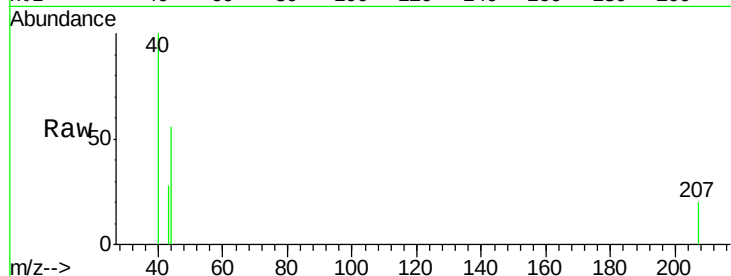
Ion Ratio Lower Upper

43 100

70 0.0 35.8 53.8#

55 230.8 21.4 32.2#

61 0.0 19.5 29.3#

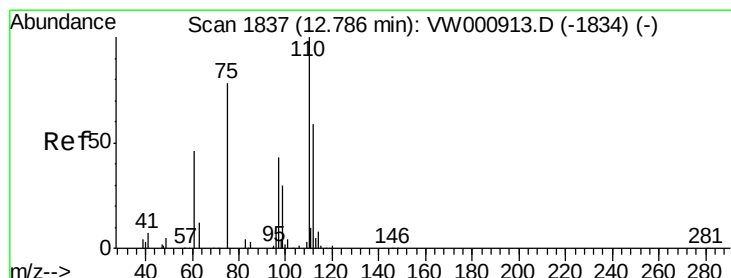
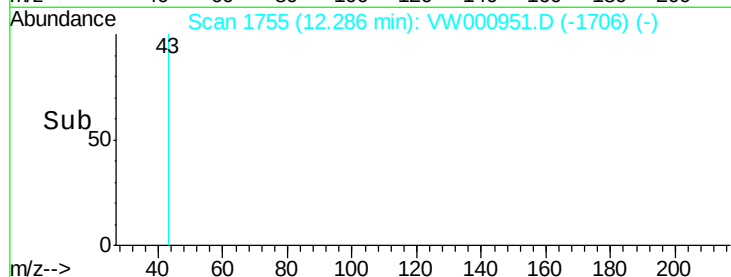
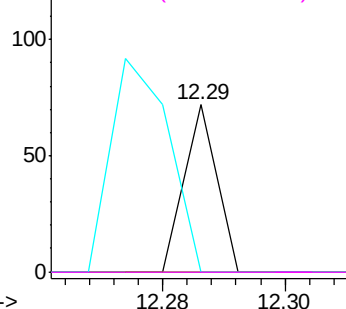


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 46.40 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.16 min

Lab File: VW000951.D

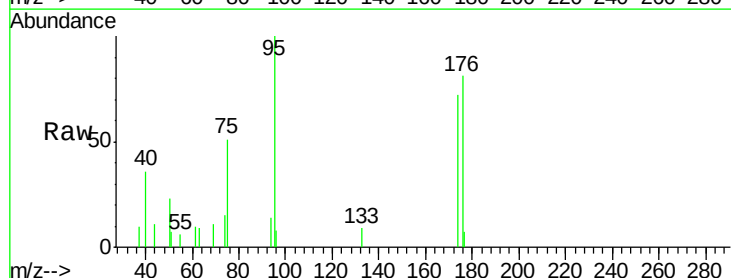
Acq: 24 Jan 2018 17:00

Tgt Ion: 75 Resp: 661

Ion Ratio Lower Upper

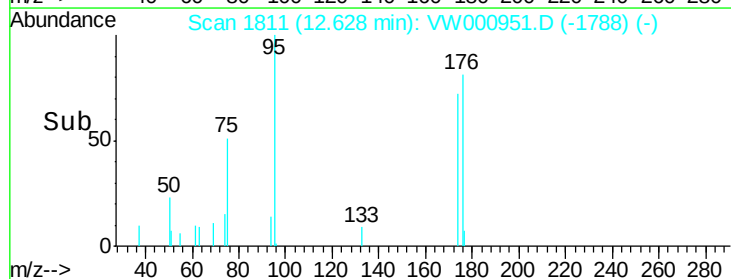
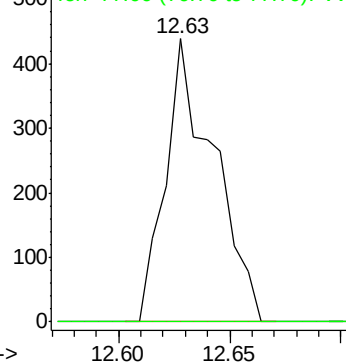
75 100

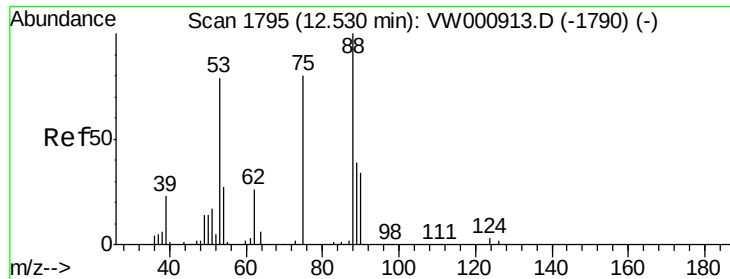
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

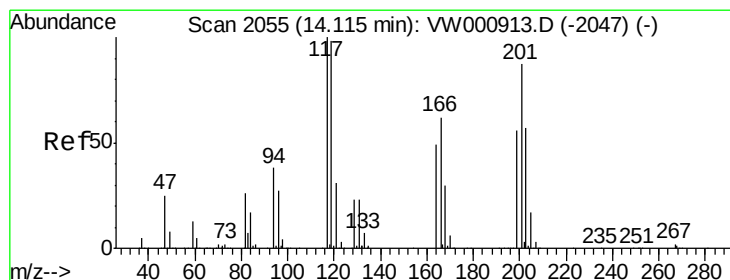
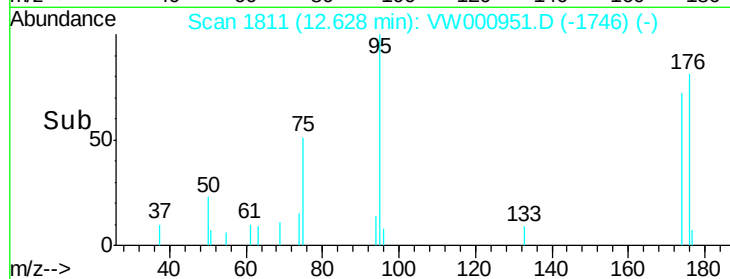
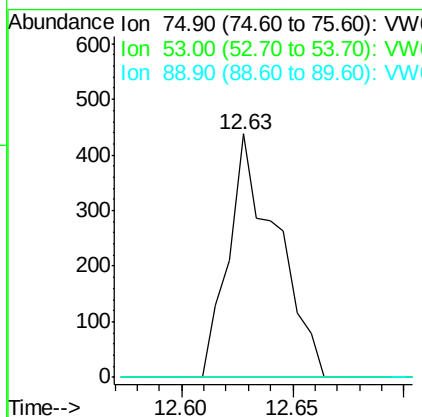
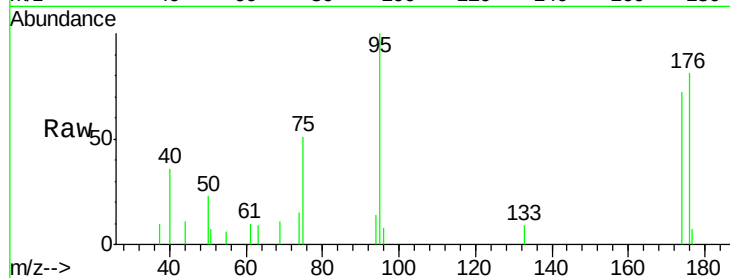




#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.39 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW000951.D
 Acq: 24 Jan 2018 17:00

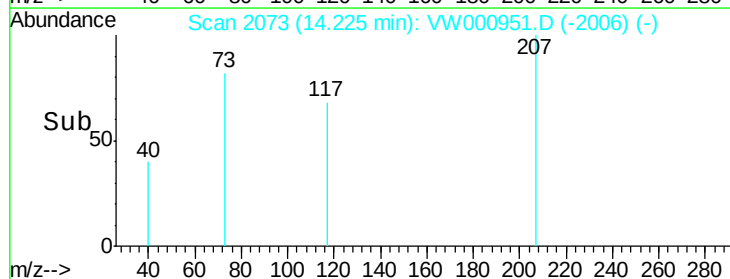
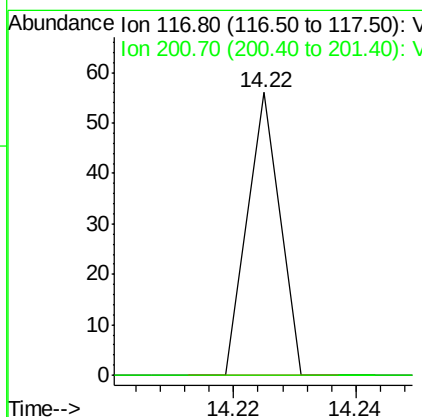
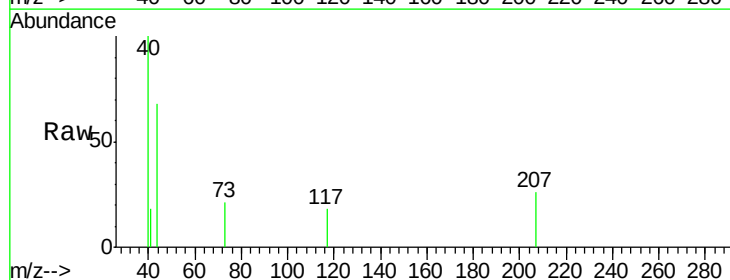
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-012218-ARE

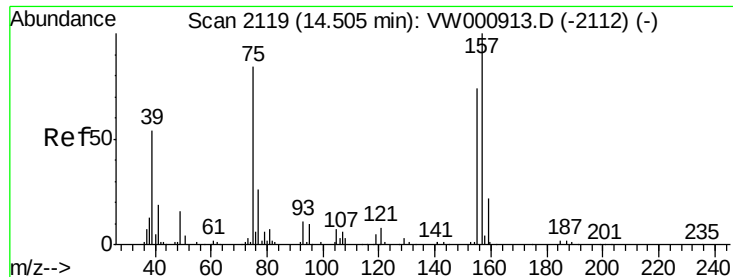
Tgt Ion: 75 Resp: 661
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.5 116.3#
 89 0.0 38.2 57.4#



#90
 Hexachloroethane
 Concen: 1.42 ug/l
 RT: 14.22 min Scan# 2073
 Delta R.T. 0.11 min
 Lab File: VW000951.D
 Acq: 24 Jan 2018 17:00

Tgt Ion: 117 Resp: 20
 Ion Ratio Lower Upper
 117 100
 201 0.0 42.8 128.3#

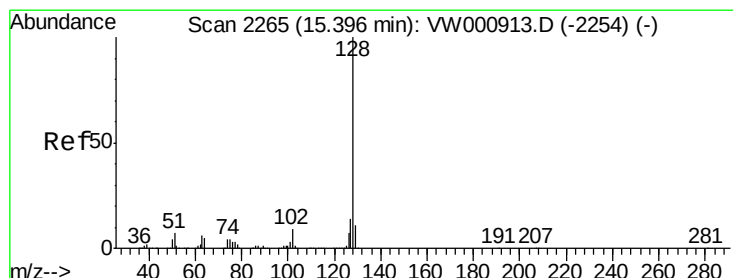
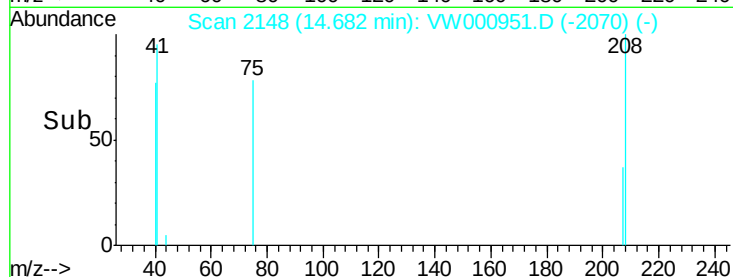
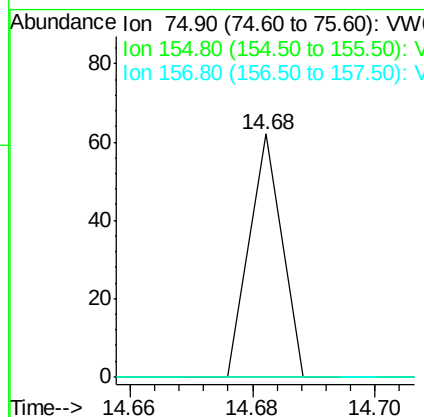
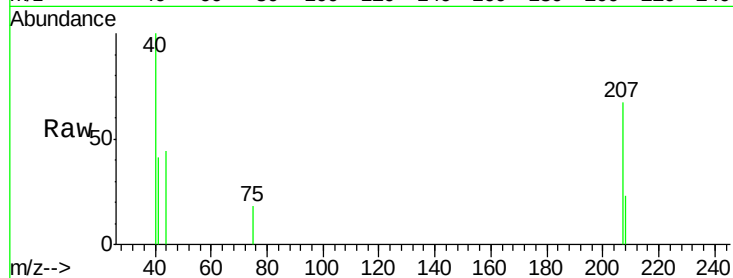




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.13 ug/l
 RT: 14.68 min Scan# 2148
 Delta R.T. 0.18 min
 Lab File: VW000951.D
 Acq: 24 Jan 2018 17:00

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

Tgt Ion: 75 Resp: 23
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.9 137.6#
 157 0.0 59.8 179.3#



#95
 Naphthalene
 Concen: 1.51 ug/l
 RT: 15.39 min Scan# 2264
 Delta R.T. -0.01 min
 Lab File: VW000951.D
 Acq: 24 Jan 2018 17:00

Tgt Ion: 128 Resp: 86
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 8.7 13.1#

