

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070318\
 Data File : VW003700.D
 Acq On : 03 Jul 2018 15:51
 Operator : SY/AP
 Sample : J3245-23
 Misc : 6.69G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jul 03 23:49:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	177937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	299553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	120308	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	100893	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
35) Dibromofluoromethane	7.88	113	86255	44.15	ug/l	0.00
Spiked Amount			Recovery	=	88.30%	
50) Toluene-d8	10.33	98	276332	36.03	ug/l	0.00
Spiked Amount			Recovery	=	72.06%	
62) 4-Bromofluorobenzene	12.62	95	93890	34.08	ug/l	0.00
Spiked Amount			Recovery	=	68.16%	

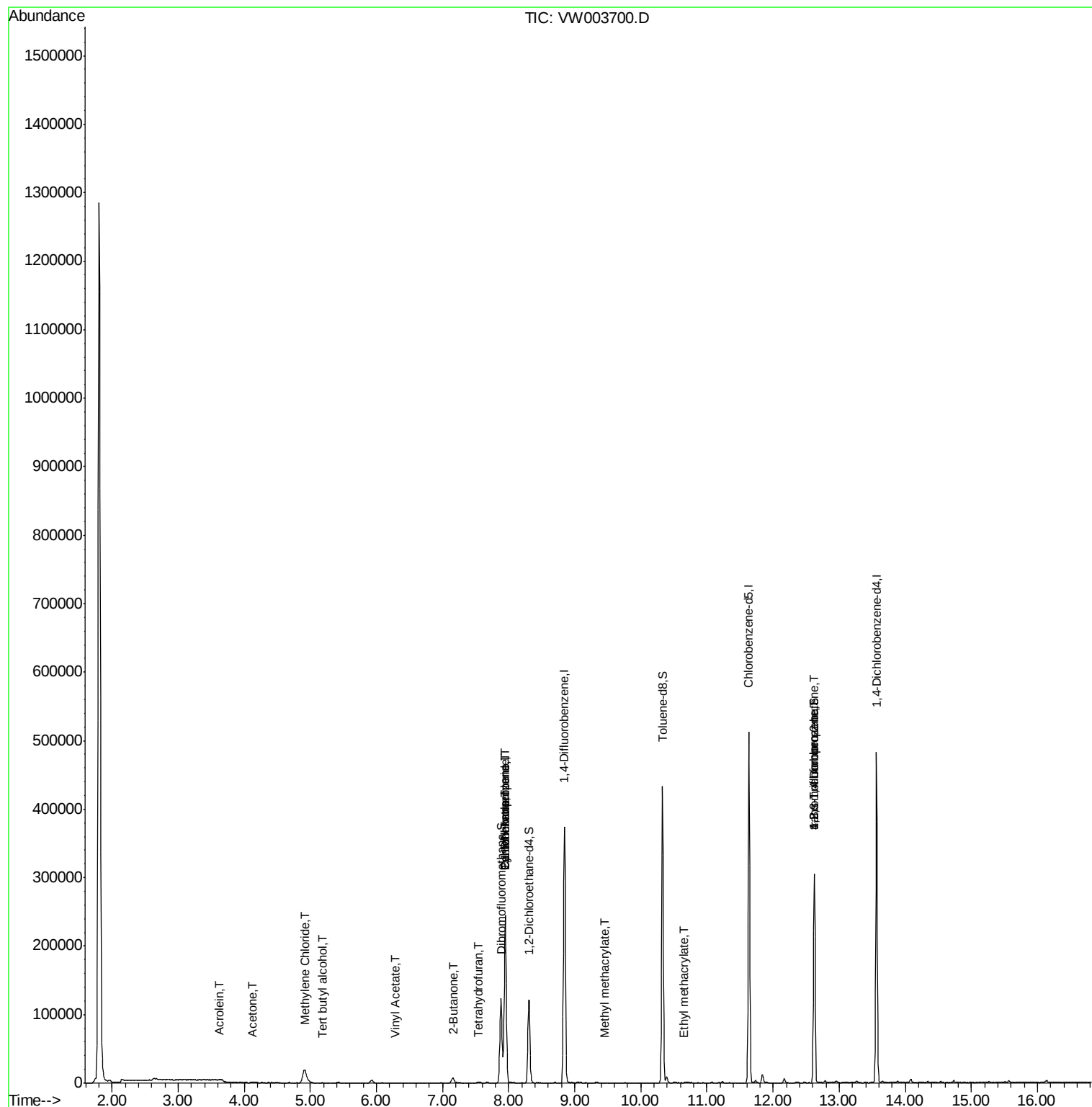
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	238	1.793	ug/l #	71
13) Acrolein	3.63	56	68	1.056	ug/l #	1
16) Acetone	4.12	43	2145	4.236	ug/l	98
20) Methylene Chloride	4.91	84	18668	6.736	ug/l	95
23) Vinyl Acetate	6.29	43	23	13.869	ug/l #	74
25) 2-Butanone	7.17	43	831	1.282	ug/l #	50
29) Tetrahydrofuran	7.54	42	939	2.416	ug/l #	73
31) Cyclohexane	7.95	56	4500	1.388	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	15315	5.093	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18254	6.381	ug/l #	18
48) Methyl methacrylate	9.45	41	43	3.392	ug/l #	1
56) Ethyl methacrylate	10.66	69	114	3.631	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	50393	46.585	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	50393	98.711	ug/l #	9

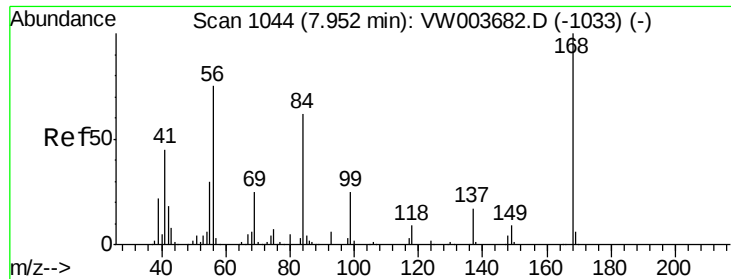
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 03 08:55:34 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003700.D

Acq: 03 Jul 2018 15:51

Instrument :

MSVOA_W

ClientSampleId :

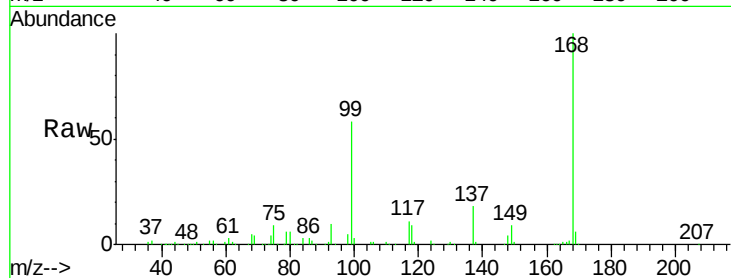
CL-01-062918-D

Tgt Ion: 168 Resp: 177937

Ion Ratio Lower Upper

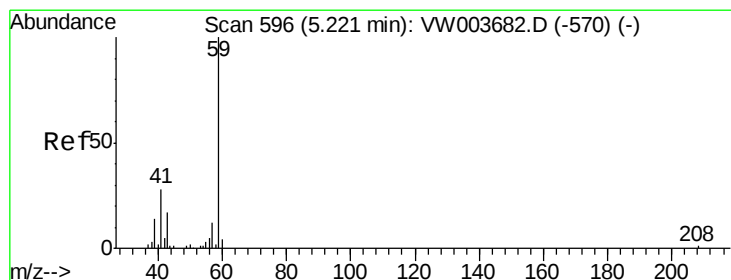
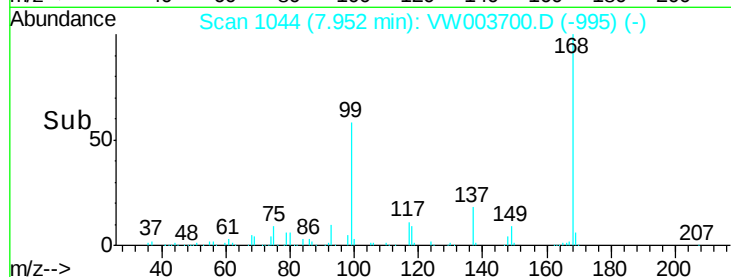
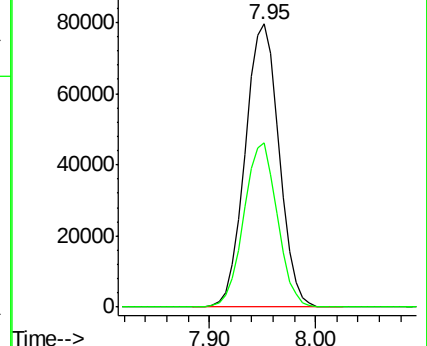
168 100

99 57.9 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.793 ug/l

RT: 5.18 min Scan# 589

Delta R.T. -0.04 min

Lab File: VW003700.D

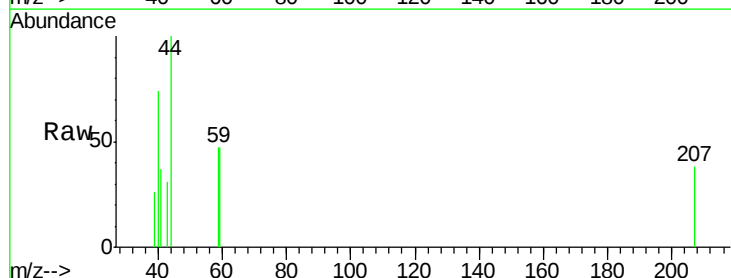
Acq: 03 Jul 2018 15:51

Tgt Ion: 59 Resp: 238

Ion Ratio Lower Upper

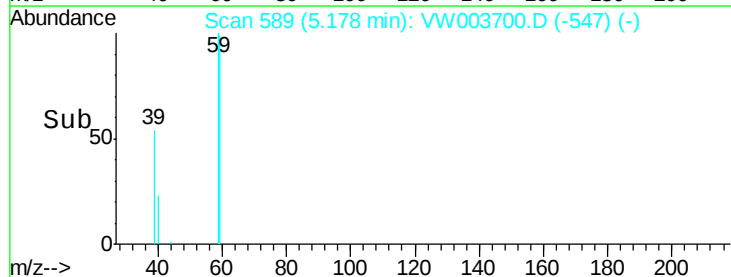
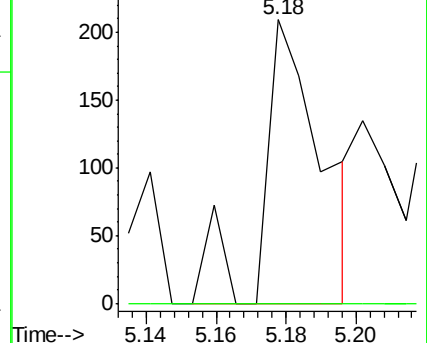
59 100

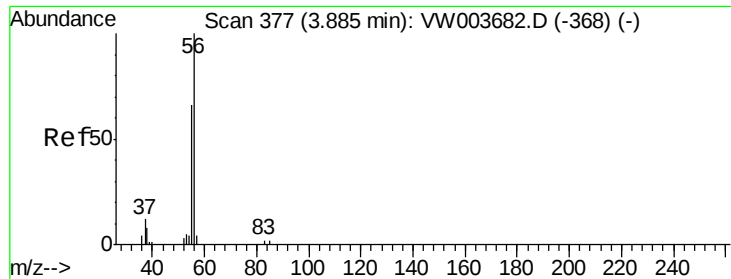
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.056 ug/l

RT: 3.63 min Scan# 335

Delta R.T. -0.26 min

Lab File: VW003700.D

Acq: 03 Jul 2018 15:51

Instrument :

MSVOA_W

ClientSampled :

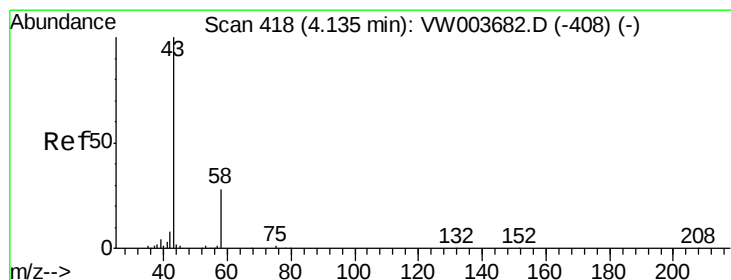
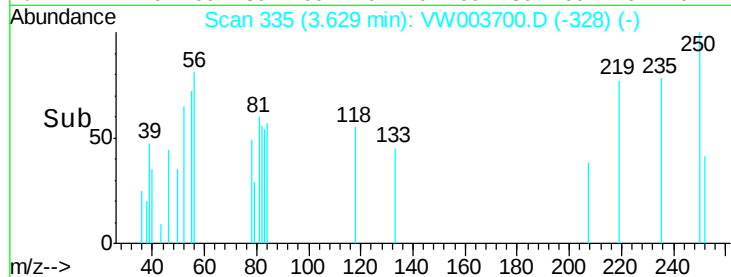
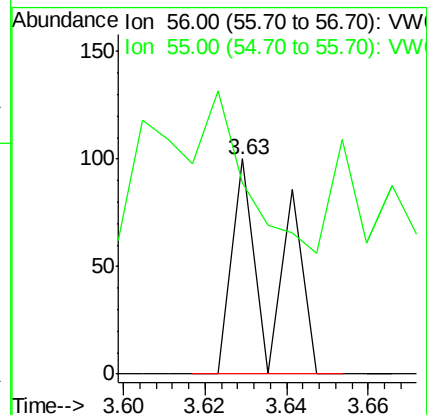
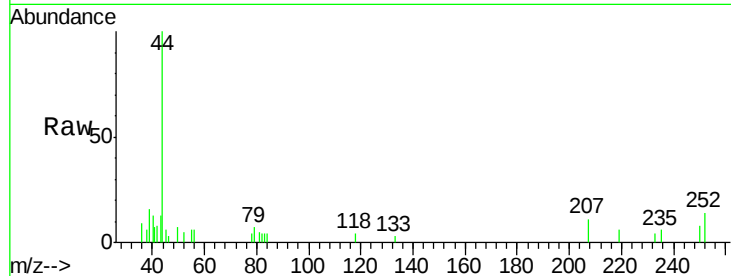
CL-01-062918-D

Tgt Ion: 56 Resp: 68

Ion Ratio Lower Upper

56 100

55 204.4 54.7 82.1#



#16

Acetone

Concen: 4.236 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW003700.D

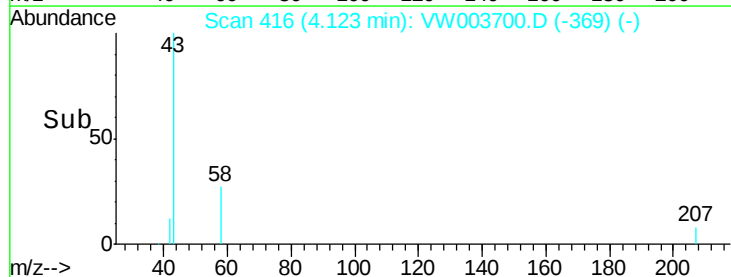
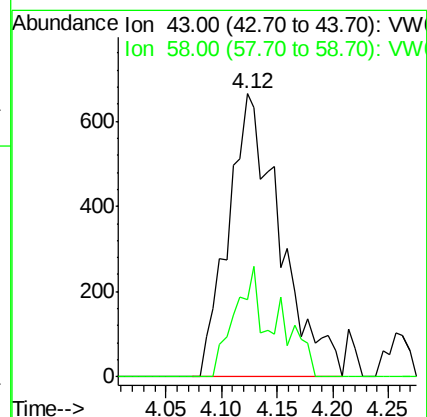
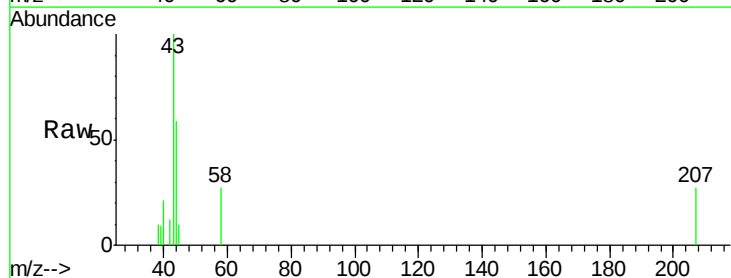
Acq: 03 Jul 2018 15:51

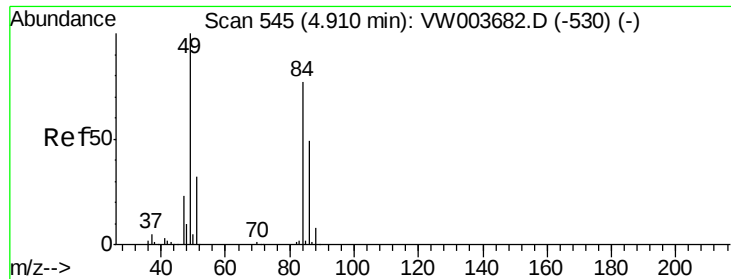
Tgt Ion: 43 Resp: 2145

Ion Ratio Lower Upper

43 100

58 27.3 22.7 34.1

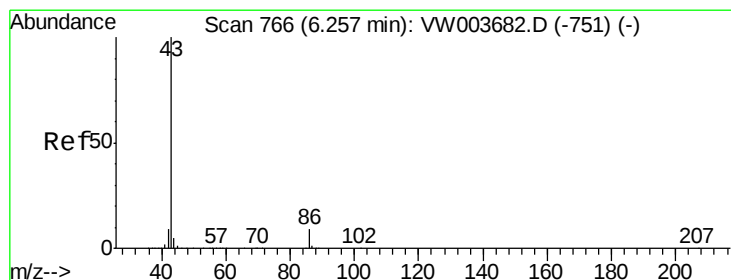
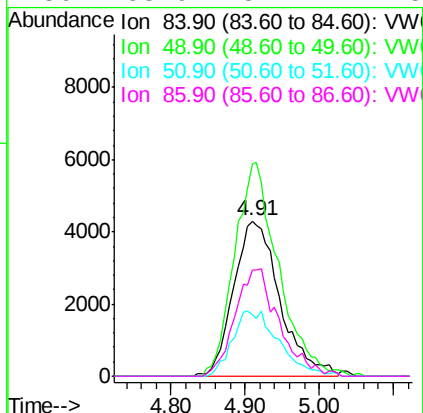
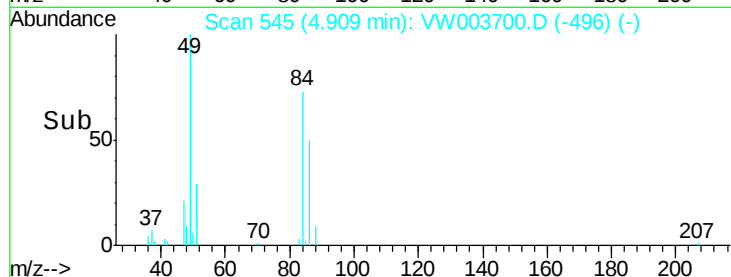
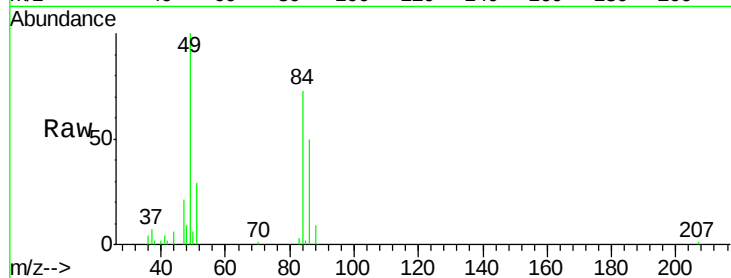




#20
Methylene Chloride
Concen: 6.736 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003700.D
Acq: 03 Jul 2018 15:51

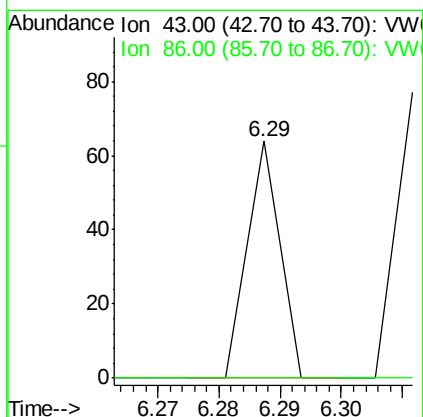
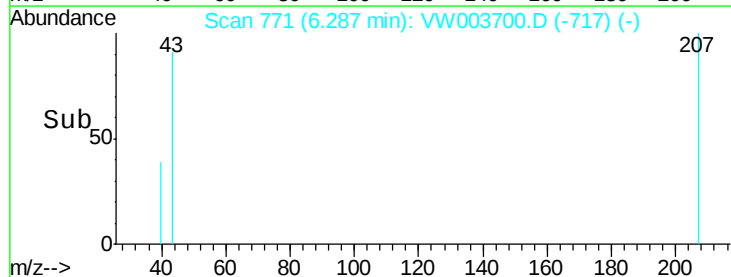
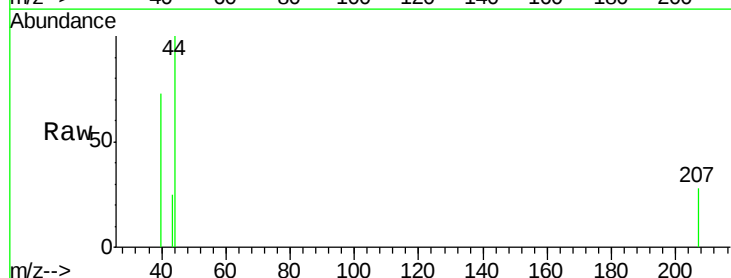
Instrument :
MSVOA_W
ClientSampleId :
CL-01-062918-D

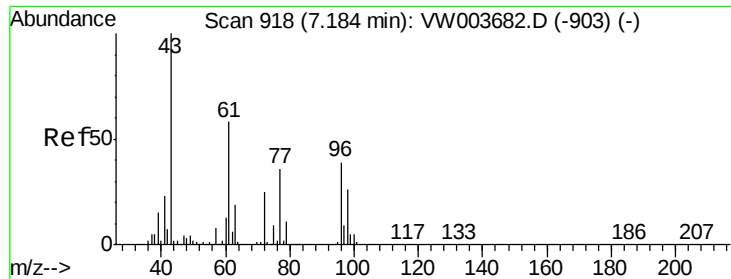
Tgt Ion: 84 Resp: 18668
Ion Ratio Lower Upper
84 100
49 137.1 104.6 156.8
51 39.9 33.2 49.8
86 68.9 51.7 77.5



#23
Vinyl Acetate
Concen: 13.869 ug/l
RT: 6.29 min Scan# 771
Delta R.T. 0.03 min
Lab File: VW003700.D
Acq: 03 Jul 2018 15:51

Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
86 0.0 7.5 11.3#





#25

2-Butanone

Concen: 1.282 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW003700.D

Acq: 03 Jul 2018 15:51

Instrument :

MSVOA_W

ClientSampleId :

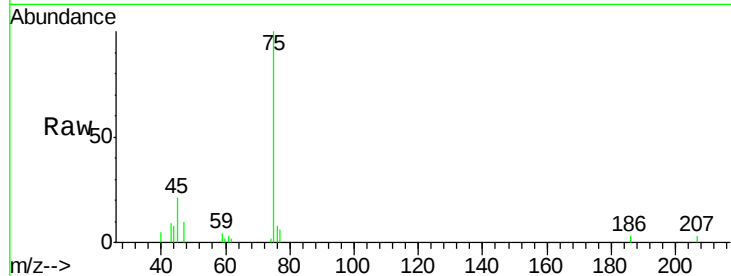
CL-01-062918-D

Tgt Ion: 43 Resp: 831

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

250

200

150

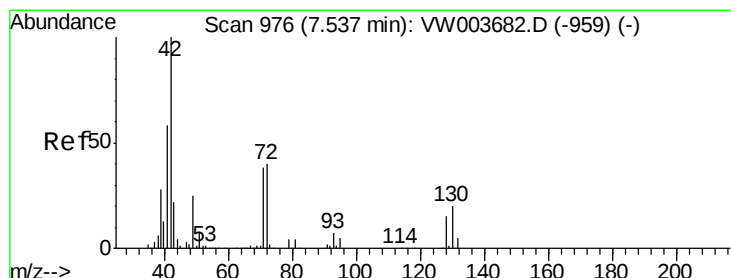
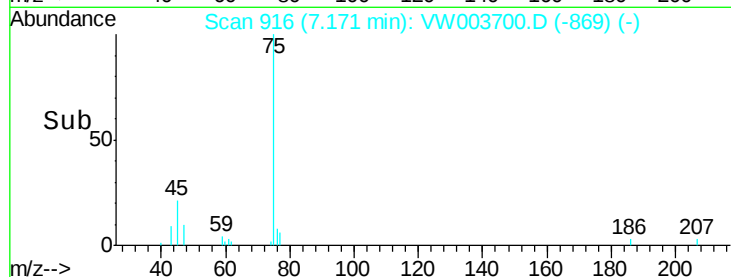
100

50

0

7.10 7.15 7.20 7.25

Time-->



#29

Tetrahydrofuran

Concen: 2.416 ug/l

RT: 7.54 min Scan# 976

Delta R.T. -0.00 min

Lab File: VW003700.D

Acq: 03 Jul 2018 15:51

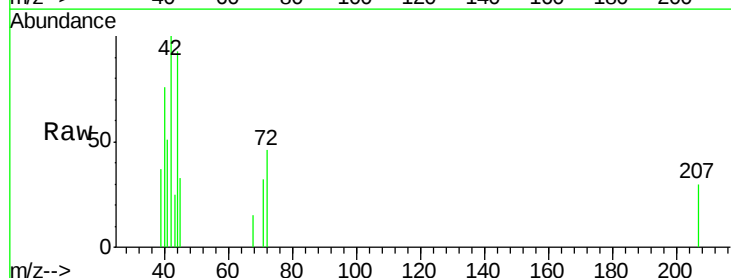
Tgt Ion: 42 Resp: 939

Ion Ratio Lower Upper

42 100

72 19.2 32.0 48.0#

71 26.1 30.2 45.2#



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

7.54

400

300

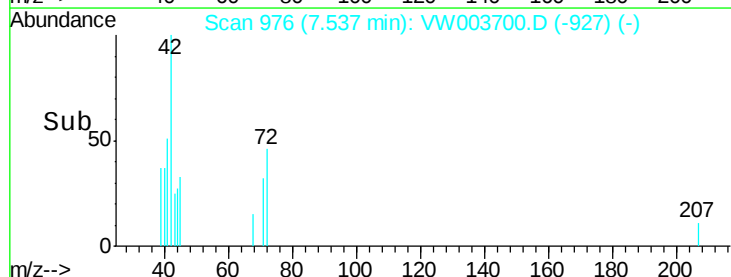
200

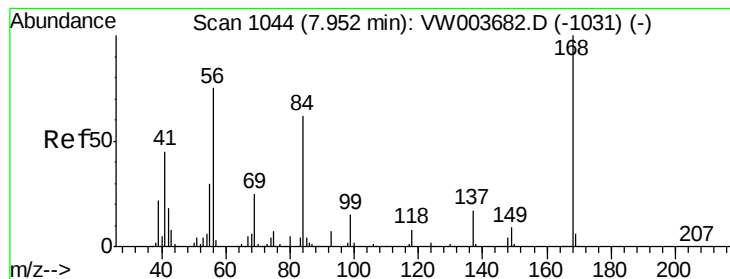
100

0

7.45 7.50 7.55 7.60 7.65

Time-->





#31

Cyclohexane

Concen: 1.388 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003700.D

Acq: 03 Jul 2018 15:51

Instrument :

MSVOA_W

ClientSampleId :

CL-01-062918-D

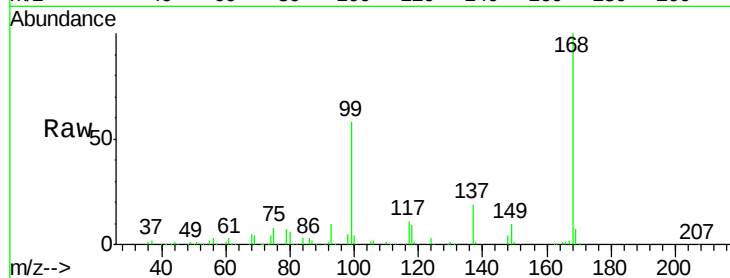
Tgt Ion: 56 Resp: 4500

Ion Ratio Lower Upper

56 100

69 158.3 27.0 40.4#

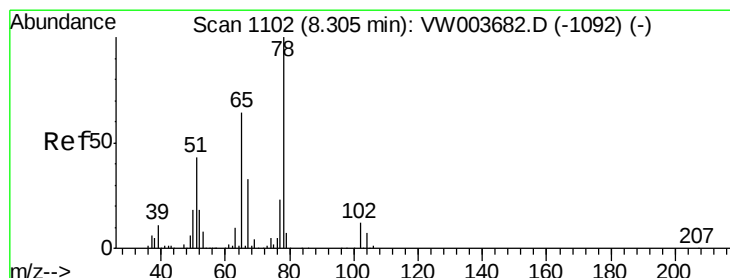
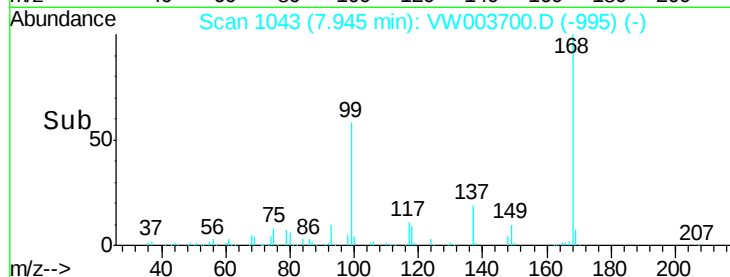
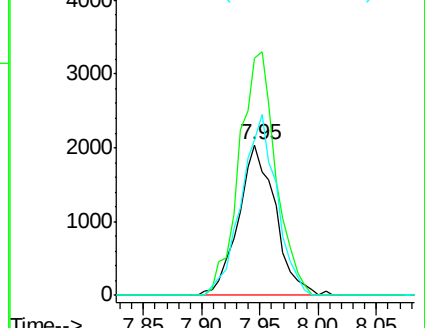
84 103.7 65.4 98.0#



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: 47.560 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003700.D

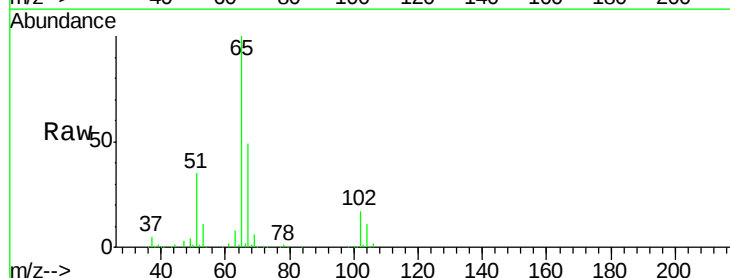
Acq: 03 Jul 2018 15:51

Tgt Ion: 65 Resp: 100893

Ion Ratio Lower Upper

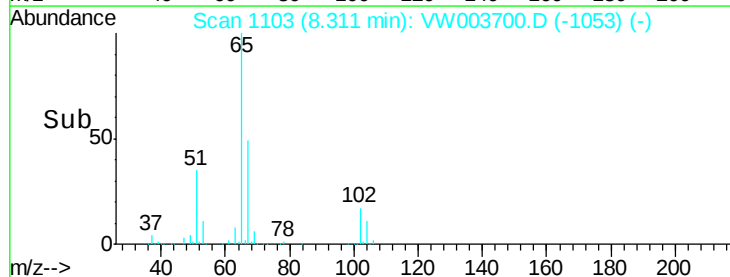
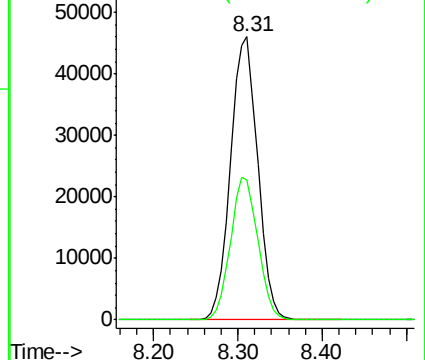
65 100

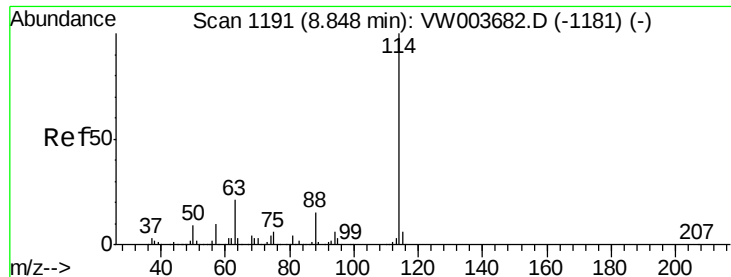
67 50.6 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

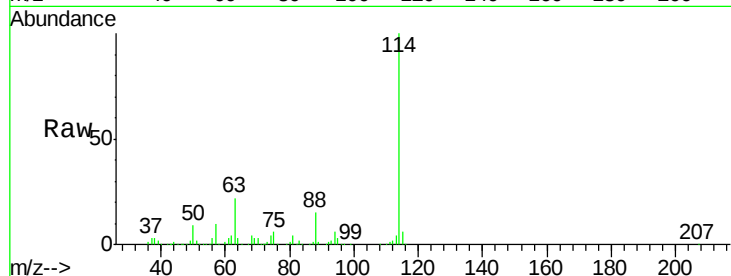




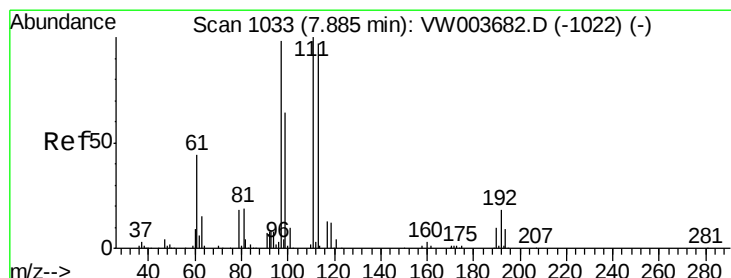
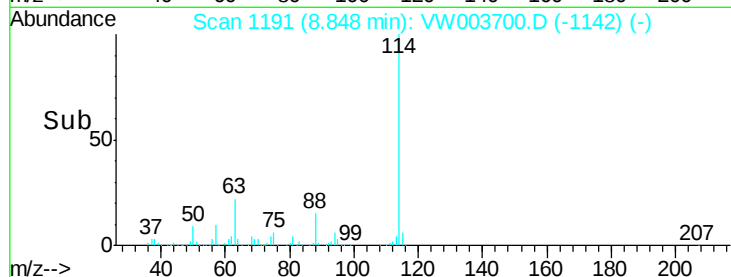
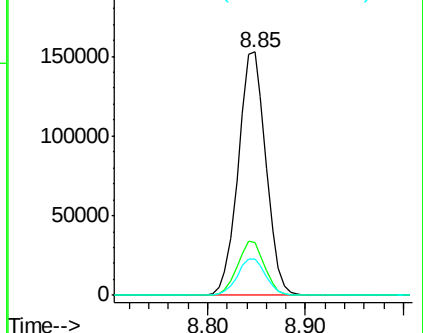
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003700.D
 Acq: 03 Jul 2018 15:51

Instrument :
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 CL-01-062918-D

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	41.6
88	14.7	0.0	29.8

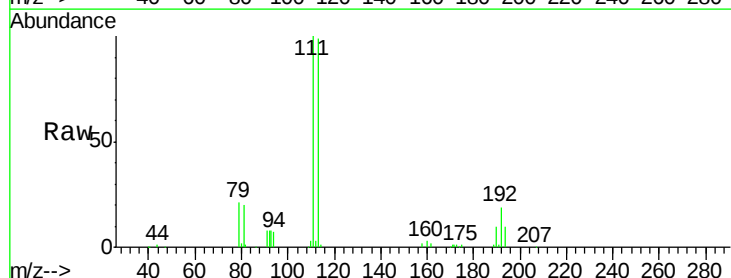


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

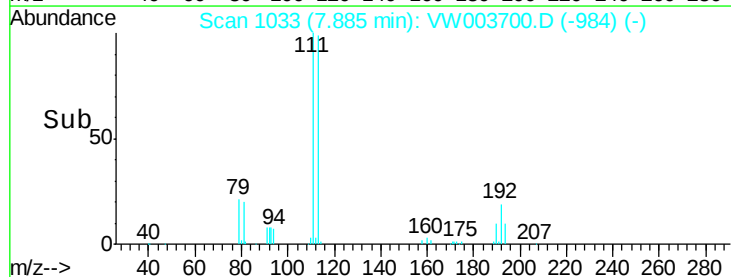
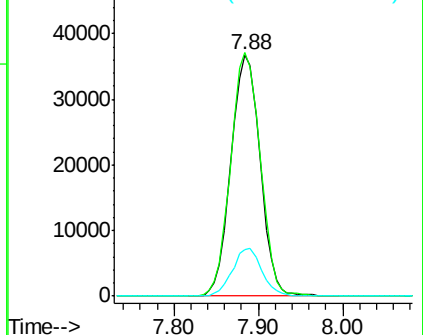


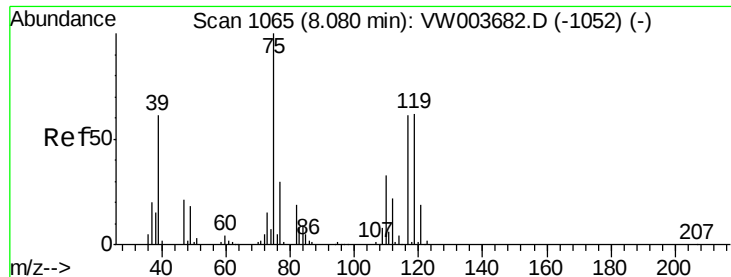
#35
 Dibromofluoromethane
 Concen: 44.149 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003700.D
 Acq: 03 Jul 2018 15:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	19.9	15.8	23.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

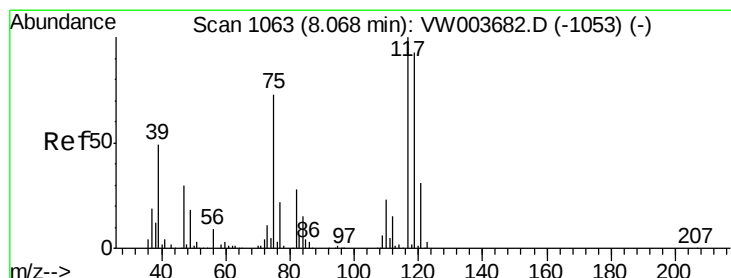
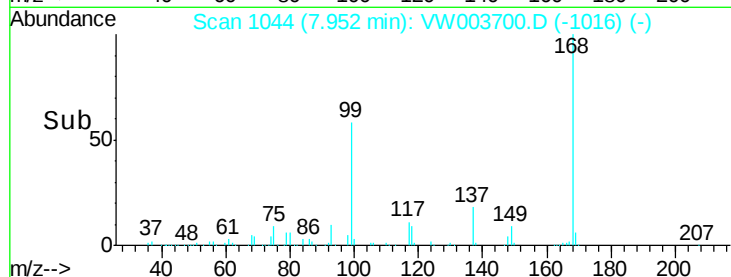
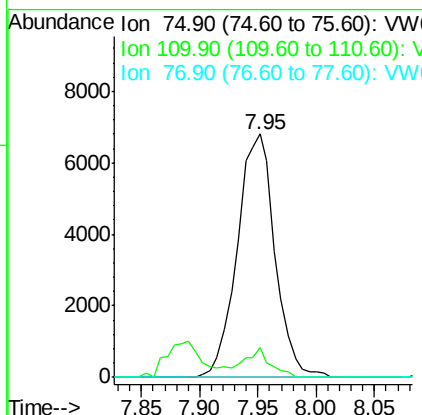
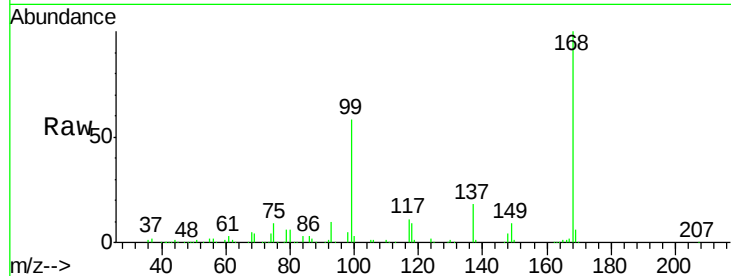




#36
 1,1-Dichloropropene
 Concen: 5.093 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003700.D
 Acq: 03 Jul 2018 15:51

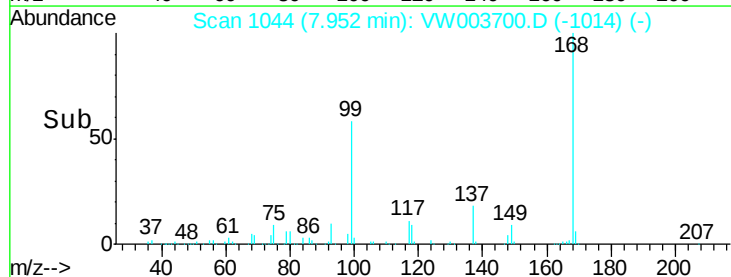
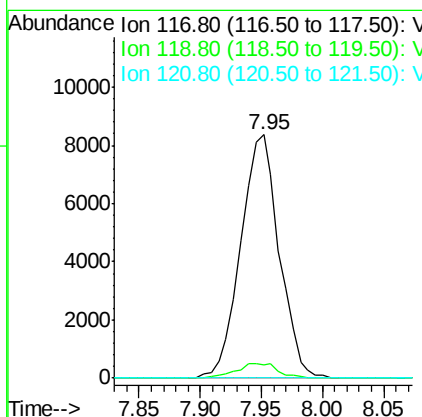
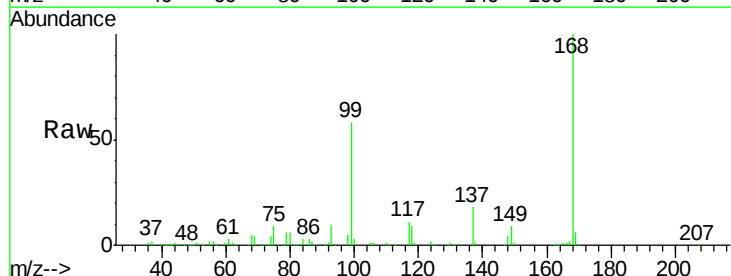
Instrument :
 MSVOA_W
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 CL-01-062918-D

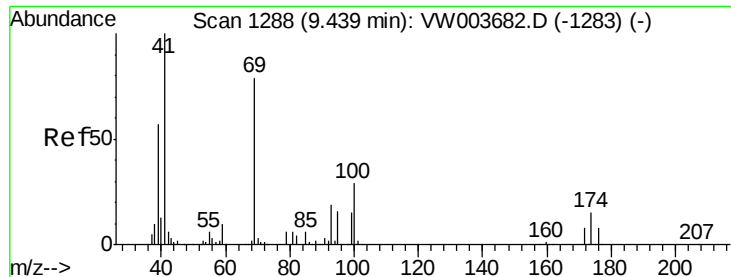
Tgt Ion: 75 Resp: 15315
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.9 50.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.381 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003700.D
 Acq: 03 Jul 2018 15:51

Tgt Ion: 117 Resp: 18254
 Ion Ratio Lower Upper
 117 100
 119 5.4 74.1 111.1#
 121 0.0 25.0 37.4#

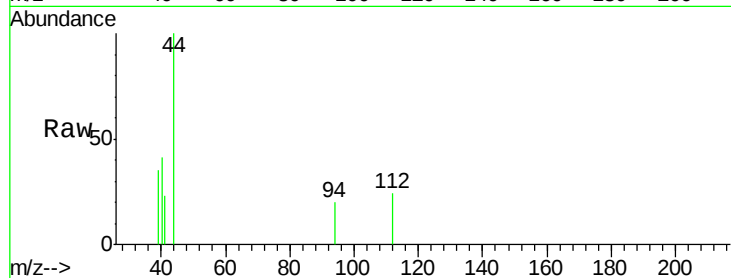




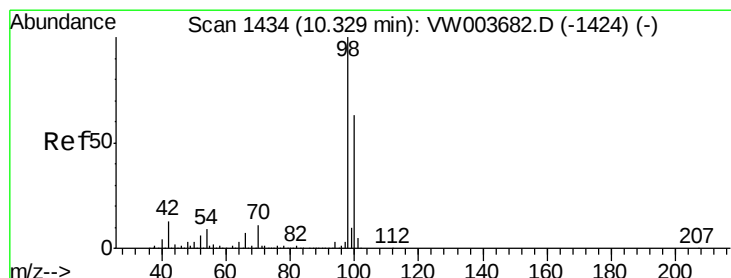
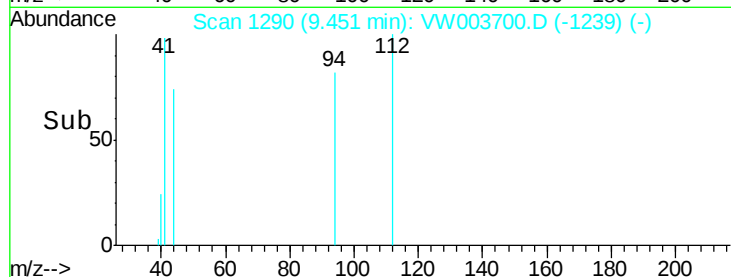
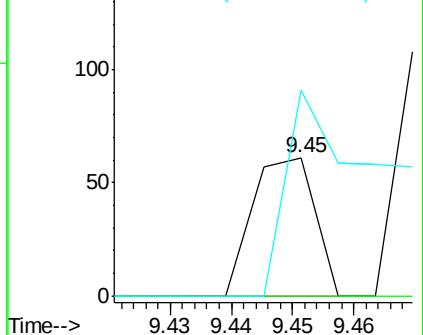
#48
Methyl methacrylate
Concen: 3.392 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. 0.01 min
Lab File: VW003700.D
Acq: 03 Jul 2018 15:51

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

Tgt Ion: 41 Resp: 43
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 225.6 50.0 75.0#

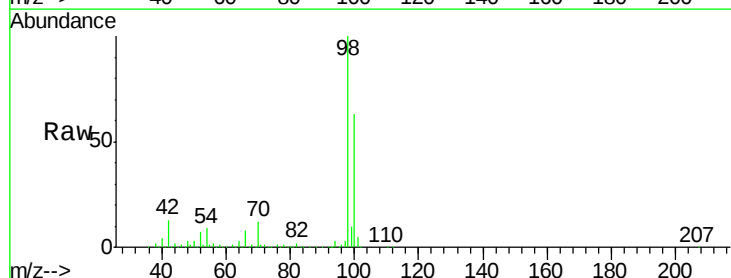


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

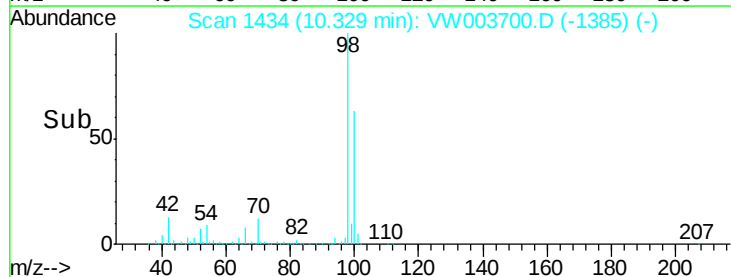
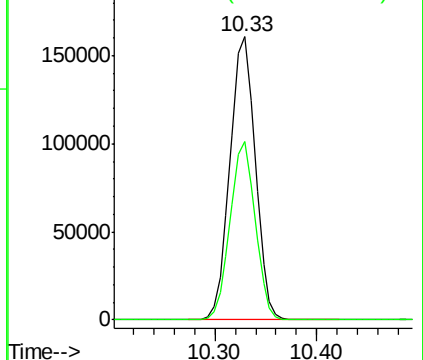


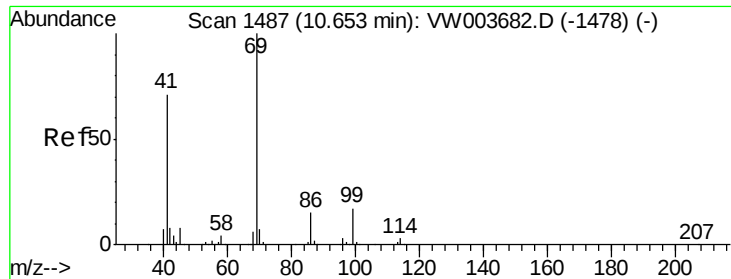
#50
Toluene-d8
Concen: 36.029 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003700.D
Acq: 03 Jul 2018 15:51

Tgt Ion: 98 Resp: 276332
Ion Ratio Lower Upper
98 100
100 62.3 50.8 76.2



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

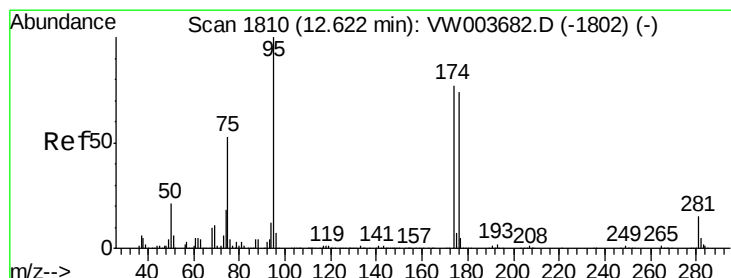
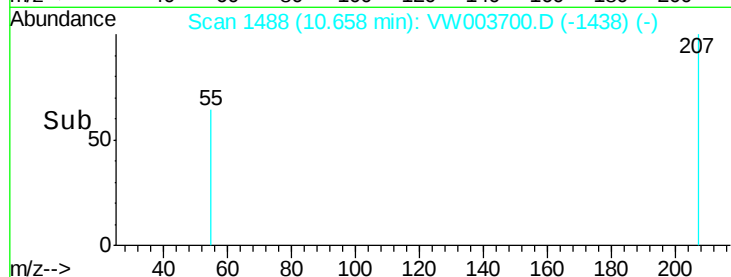
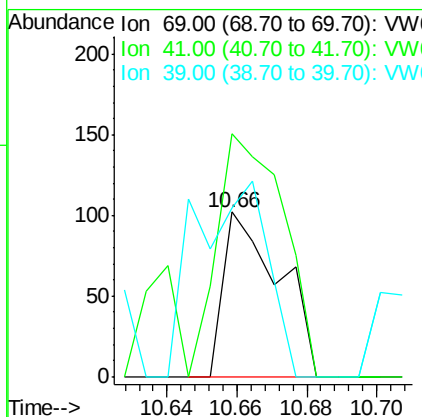
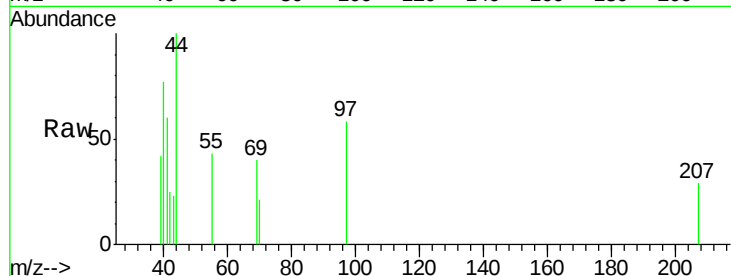




#56
Ethyl methacrylate
Concen: 3.631 ug/l
RT: 10.66 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW003700.D
Acq: 03 Jul 2018 15:51

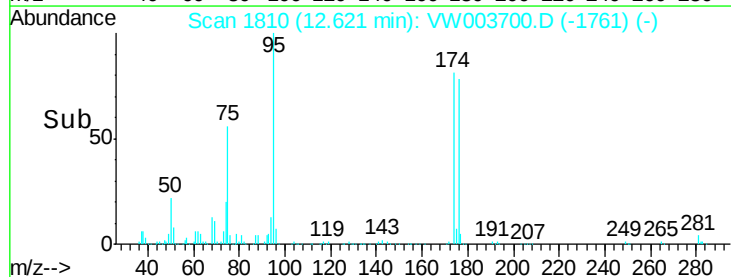
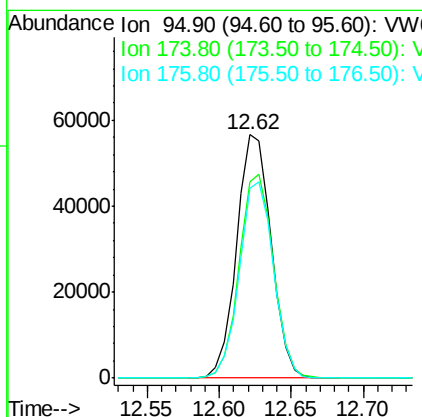
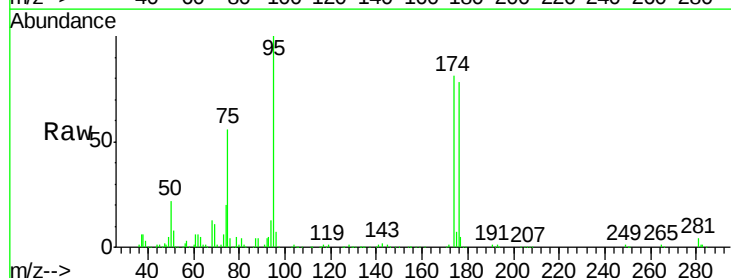
Instrument :
MSVOA_W
ClientSampleId :
CL-01-062918-D

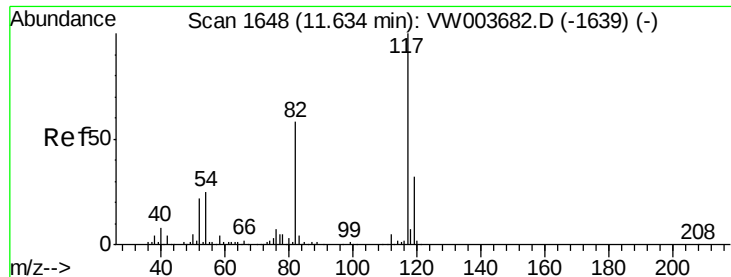
Tgt Ion: 69 Resp: 114
Ion Ratio Lower Upper
69 100
41 174.6 57.5 86.3#
39 151.8 29.4 44.0#



#62
4-Bromofluorobenzene
Concen: 34.075 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003700.D
Acq: 03 Jul 2018 15:51

Tgt Ion: 95 Resp: 93890
Ion Ratio Lower Upper
95 100
174 83.3 0.0 161.2
176 79.6 0.0 155.0

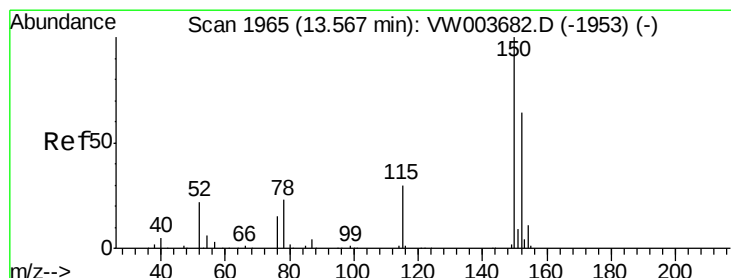
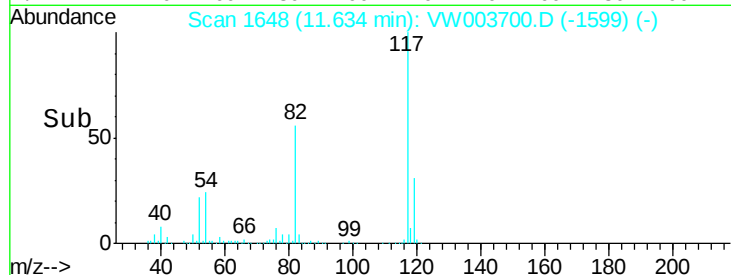
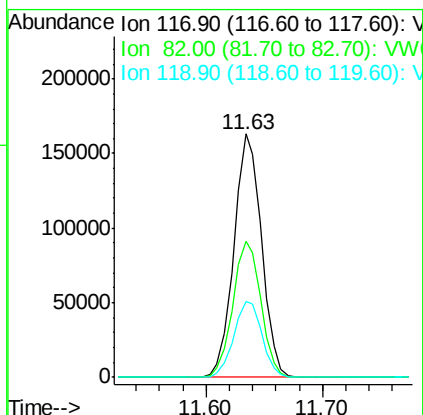
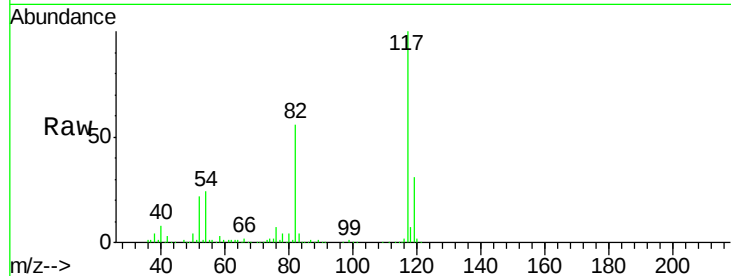




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003700.D
Acq: 03 Jul 2018 15:51

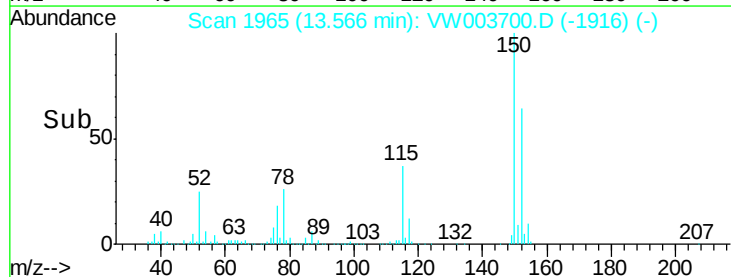
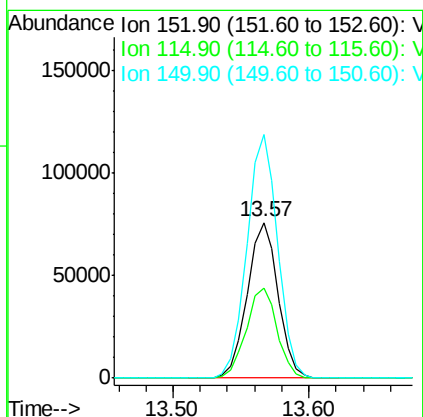
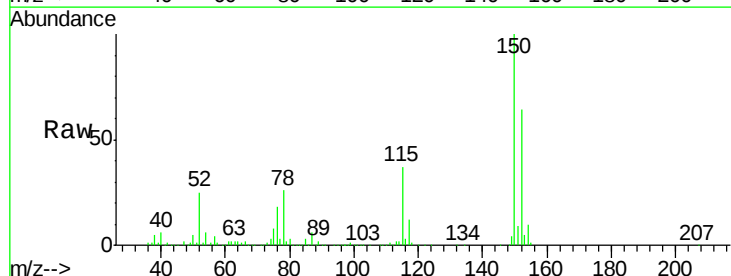
Instrument :
MSVOA_W
ClientSampleId :
CL-01-062918-D

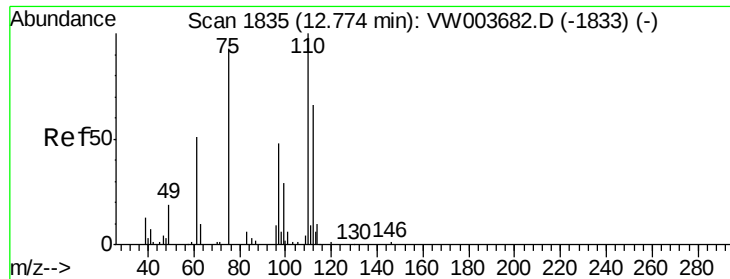
Tgt Ion:117 Resp: 268931
Ion Ratio Lower Upper
117 100
82 56.0 46.0 69.0
119 31.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003700.D
Acq: 03 Jul 2018 15:51

Tgt Ion:152 Resp: 120308
Ion Ratio Lower Upper
152 100
115 58.1 29.3 88.0
150 155.9 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 46.585 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003700.D

Acq: 03 Jul 2018 15:51

Instrument :

MSVOA_W

ClientSampleId :

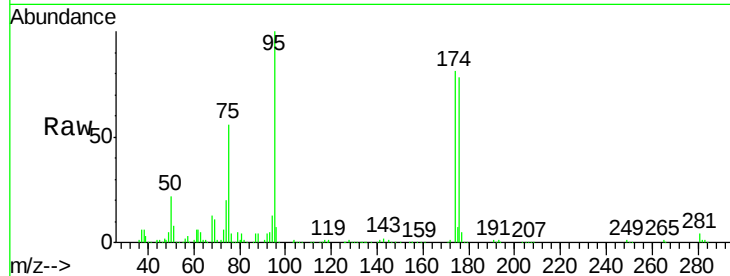
CL-01-062918-D

Tgt Ion: 75 Resp: 50393

Ion Ratio Lower Upper

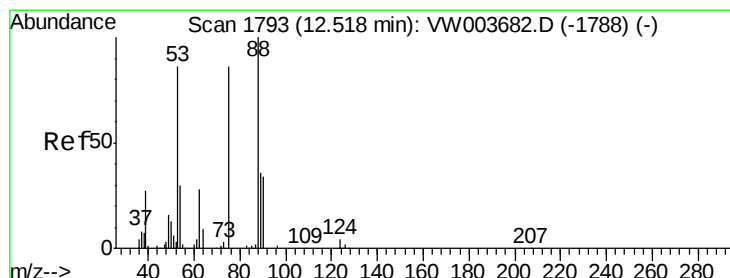
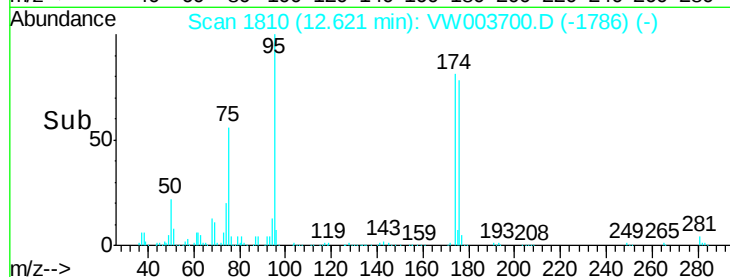
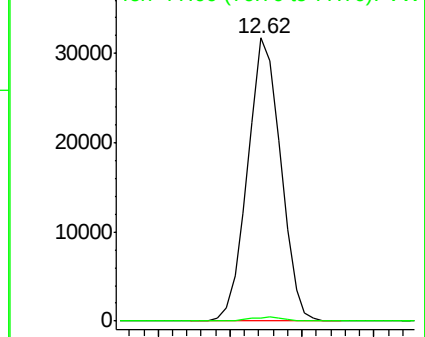
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 98.711 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003700.D

Acq: 03 Jul 2018 15:51

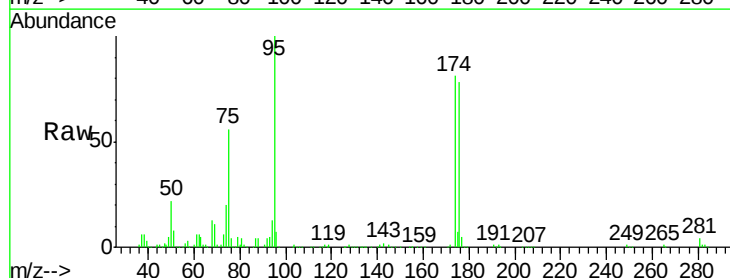
Tgt Ion: 75 Resp: 50393

Ion Ratio Lower Upper

75 100

53 0.3 82.4 123.6#

89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

