

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062019\
 Data File : VW010900.D
 Acq On : 20 Jun 2019 19:00
 Operator : SY/VA
 Sample : K3447-05
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 21 07:48:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	4090	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.85	114	5689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	2457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	470	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	2373	49.22	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	98.44%	
35) Dibromofluoromethane	7.89	113	1736	56.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.44%	
50) Toluene-d8	10.33	98	5548	40.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	81.94%	
62) 4-Bromofluorobenzene	12.62	95	744	15.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	30.20%	

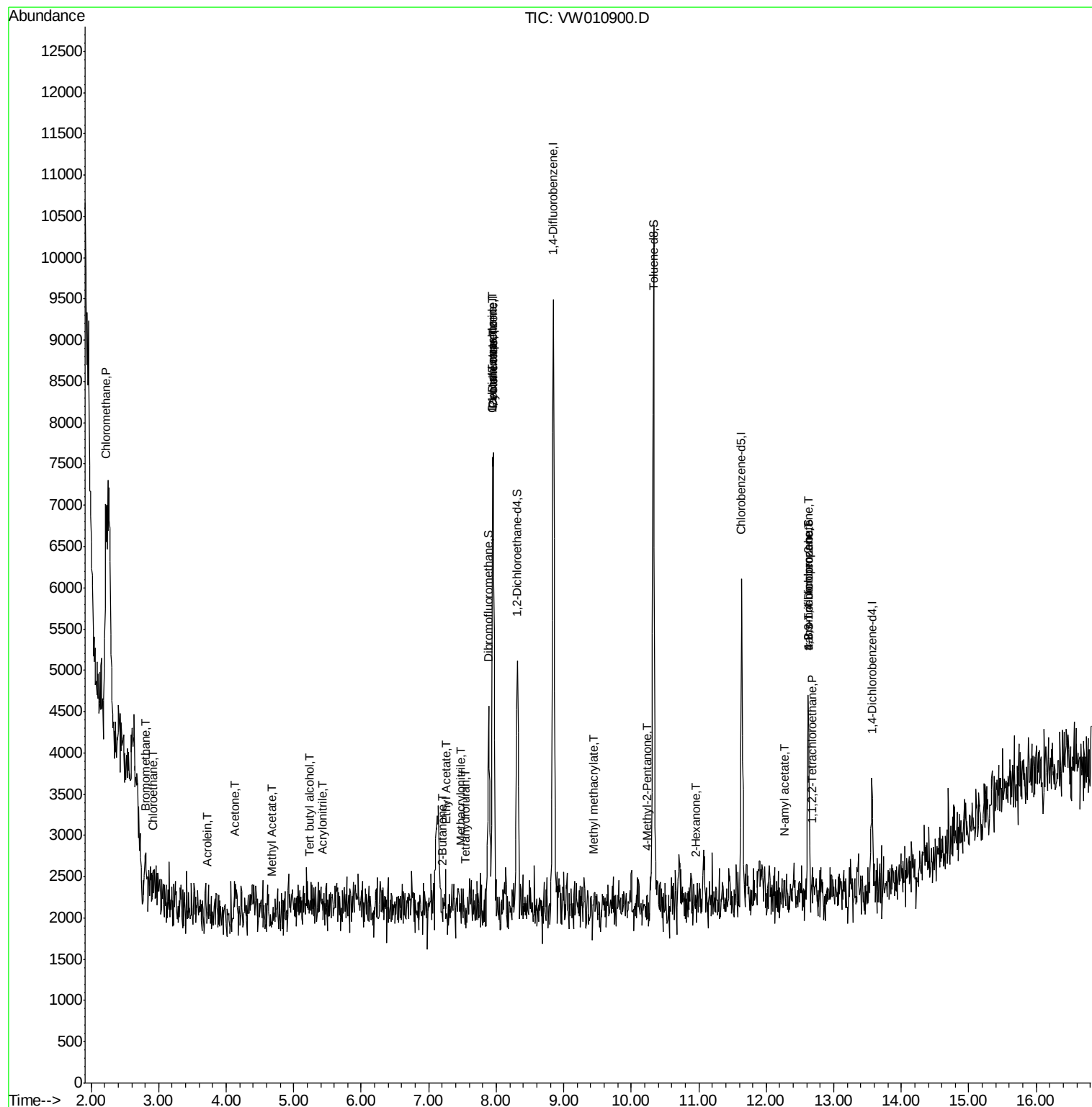
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	225	4.046	ug/l	95
5) Bromomethane	2.79	94	181	6.415	ug/l #	71
6) Chloroethane	2.90	64	125	4.053	ug/l #	43
11) Tert butyl alcohol	5.24	59	24	6.111	ug/l #	72
13) Acrolein	3.71	56	21	13.085	ug/l #	14
15) Acrylonitrile	5.43	53	20	1.727	ug/l #	17
16) Acetone	4.13	43	162	12.541	ug/l #	47
18) Methyl Acetate	4.68	43	41	1.475	ug/l #	55
25) 2-Butanone	7.20	43	19	1.061	ug/l #	53
29) Tetrahydrofuran	7.54	42	23	2.042	ug/l #	40
31) Cyclohexane	7.95	56	200	2.056	ug/l #	52
36) 1,1-Dichloropropene	7.95	75	432	7.418	ug/l #	43
37) Ethyl Acetate	7.25	43	41	1.271	ug/l #	72
38) Carbon Tetrachloride	7.95	117	265	5.272	ug/l #	13
41) Methacrylonitrile	7.48	41	94	4.901	ug/l #	38
48) Methyl methacrylate	9.44	41	51	1.697	ug/l #	47
51) 4-Methyl-2-Pentanone	10.23	43	117	3.674	ug/l #	39
59) 2-Hexanone	10.96	43	45	1.955	ug/l #	28
74) N-amyl acetate	12.27	43	27	2.365	ug/l #	17
75) 1,1,2,2-Tetrachloroethane	12.68	83	24	3.569	ug/l #	26
76) 1,2,3-Trichloropropane	12.63	75	414	83.880	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	414	192.783	ug/l #	5

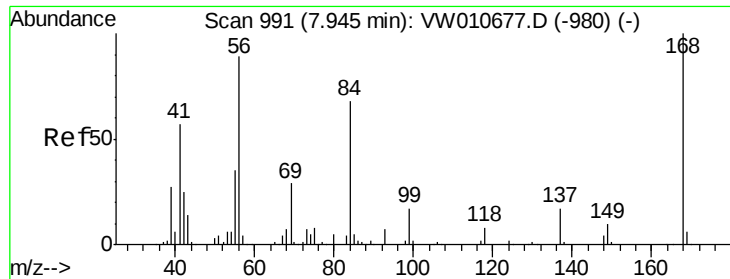
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062019\
Data File : VW010900.D
Acq On : 20 Jun 2019 19:00
Operator : SY/VA
Sample : K3447-05
Misc : 5.09G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jun 21 07:48:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

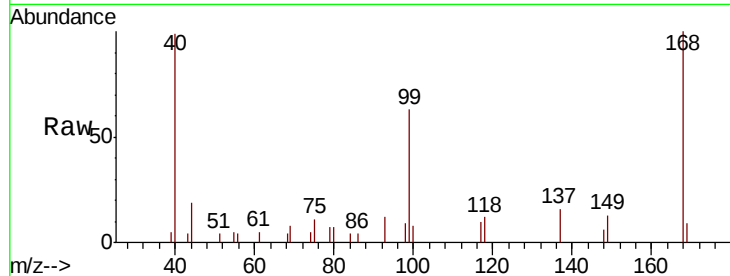
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 4090

Ion Ratio Lower Upper

168 100

99 63.2 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

1500

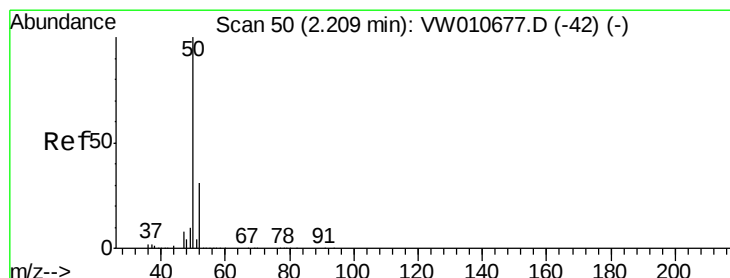
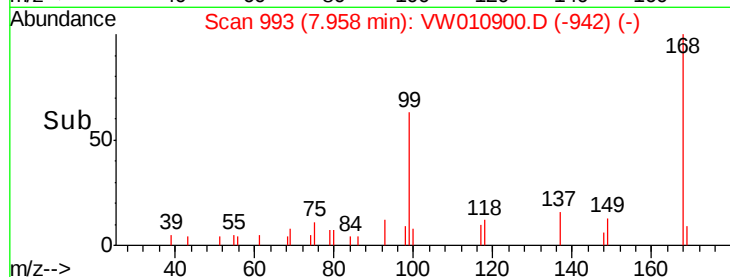
1000

500

0

7.90 7.95 8.00 8.05

Time-->



#3

Chloromethane

Concen: 4.046 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010900.D

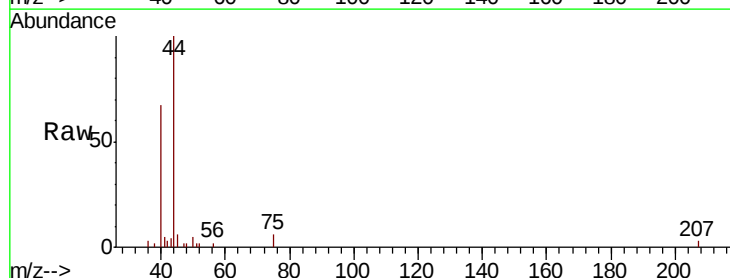
Acq: 20 Jun 2019 19:00

Tgt Ion: 50 Resp: 225

Ion Ratio Lower Upper

50 100

52 34.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

200

150

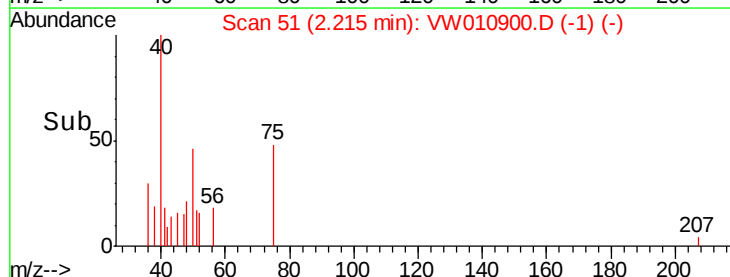
100

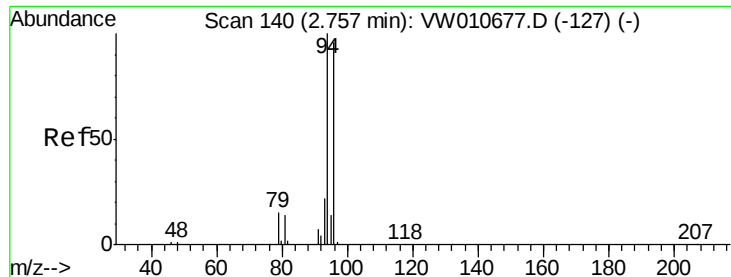
50

0

2.18 2.20 2.22 2.24 2.26

Time-->





#5

Bromomethane

Concen: 6.415 ug/l

RT: 2.79 min Scan# 146

Delta R.T. 0.04 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

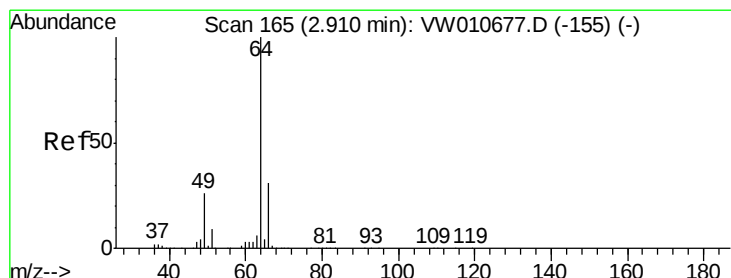
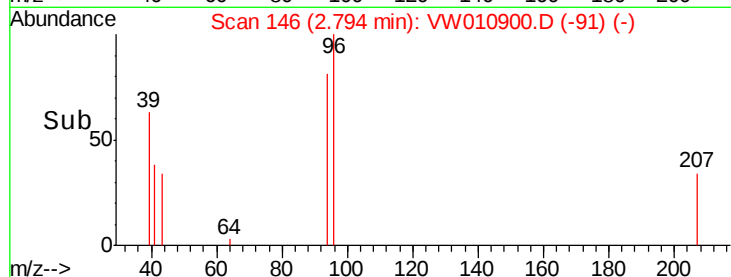
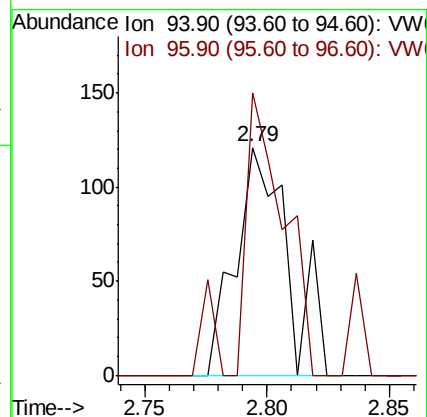
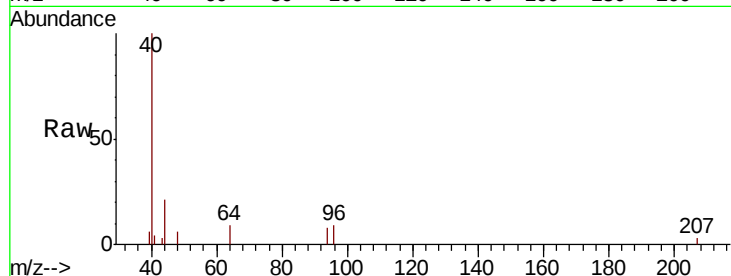
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 181

Ion Ratio Lower Upper

94 100

96 124.0 76.5 114.7#



#6

Chloroethane

Concen: 4.053 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010900.D

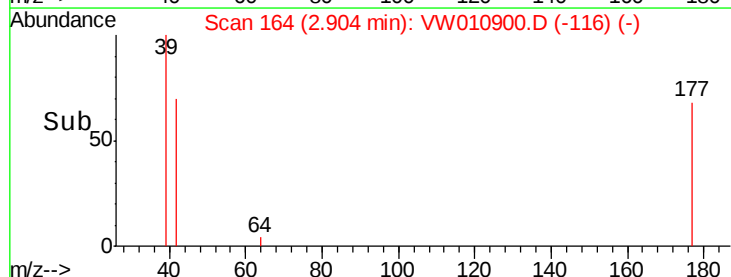
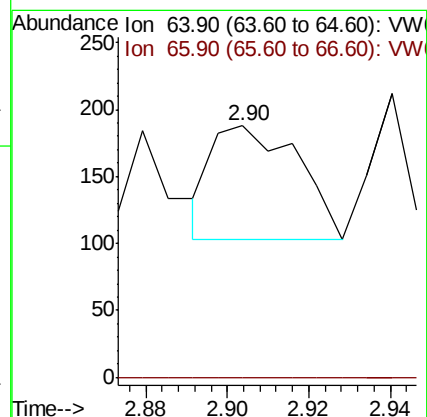
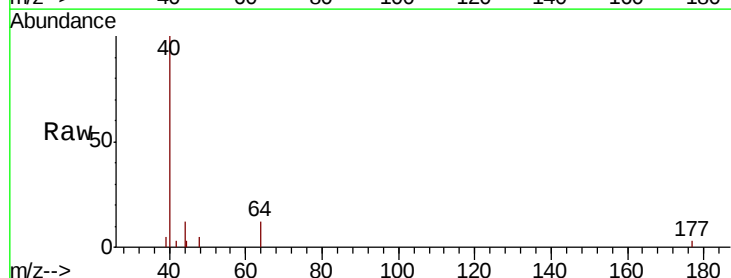
Acq: 20 Jun 2019 19:00

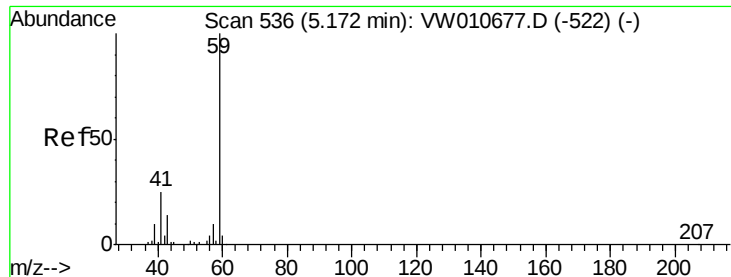
Tgt Ion: 64 Resp: 125

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



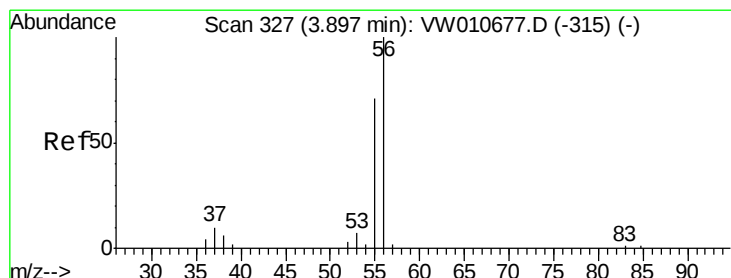
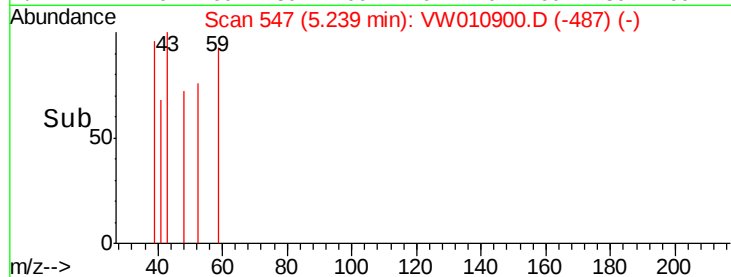
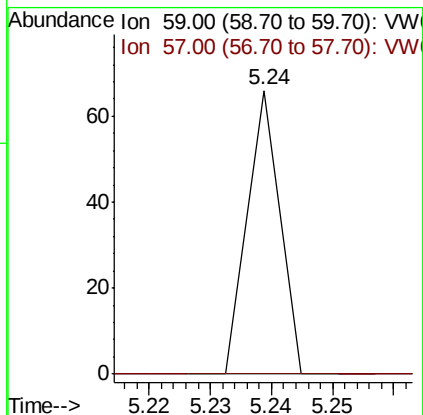
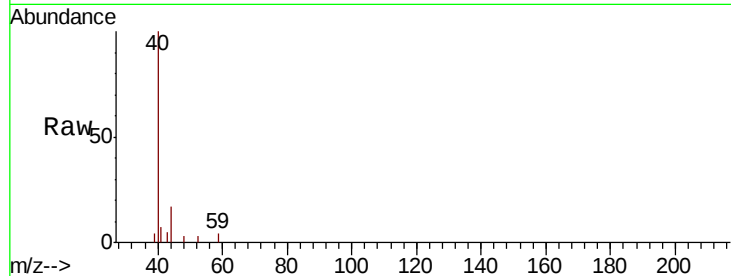


#11

Tert butyl alcohol
 Concen: 6.111 ug/l
 RT: 5.24 min Scan# 547
 Delta R.T. 0.07 min
 Lab File: VW010900.D
 Acq: 20 Jun 2019 19:00

Instrument :
 MSVOA_W
 ClientSampled :

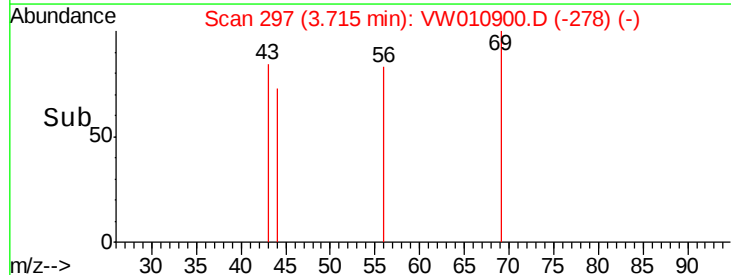
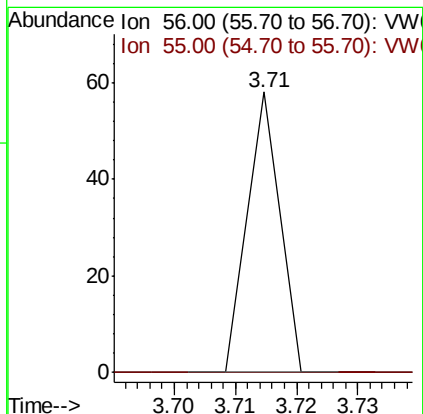
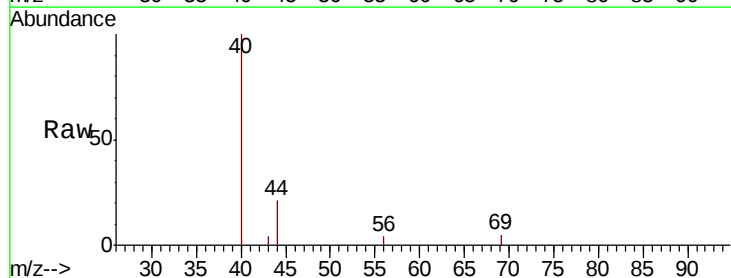
Tot Ion: 59 Resp: 24
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

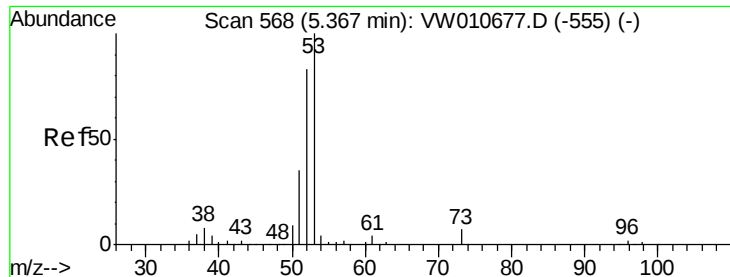


#13

Acrolein
 Concen: 13.085 ug/l
 RT: 3.71 min Scan# 297
 Delta R.T. -0.18 min
 Lab File: VW010900.D
 Acq: 20 Jun 2019 19:00

Tgt Ion: 56 Resp: 21
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.6 86.4#





#15

Acrylonitrile

Concen: 1.727 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.06 min

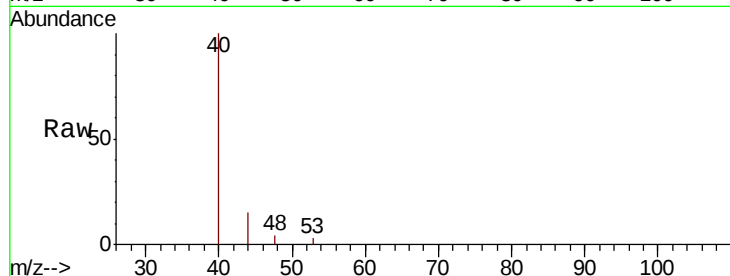
Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

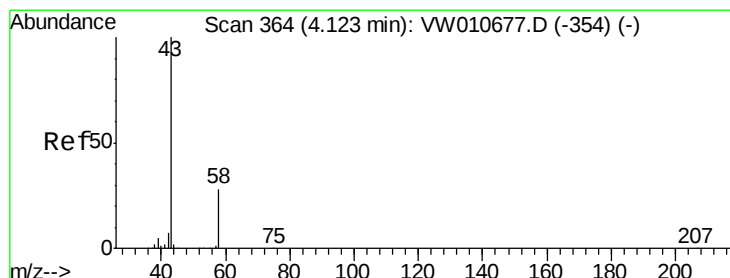
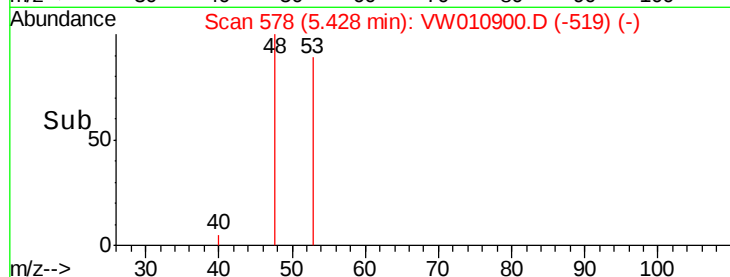
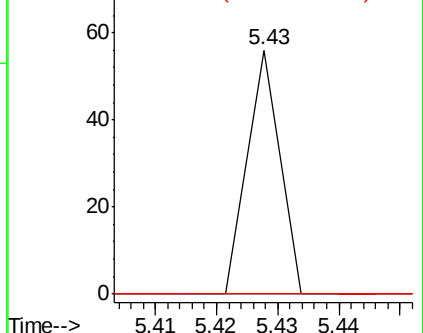
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 53 Resp: 20

Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.6	100.0#
51	0.0	29.8	44.8#



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 12.541 ug/l

RT: 4.13 min Scan# 365

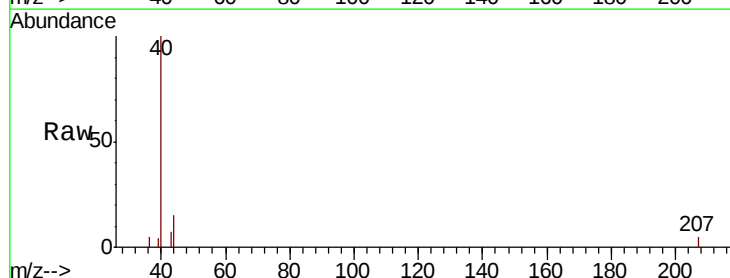
Delta R.T. 0.01 min

Lab File: VW010900.D

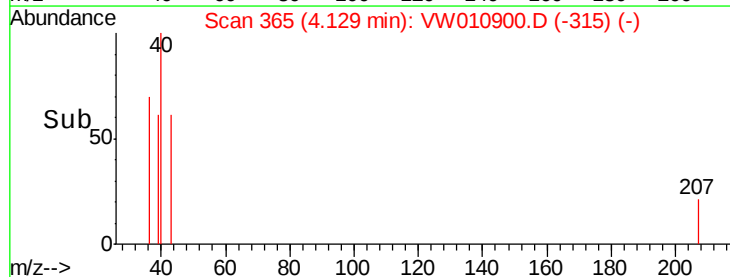
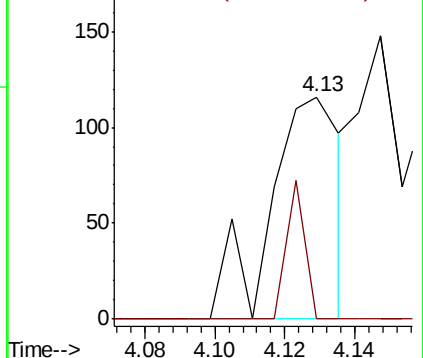
Acq: 20 Jun 2019 19:00

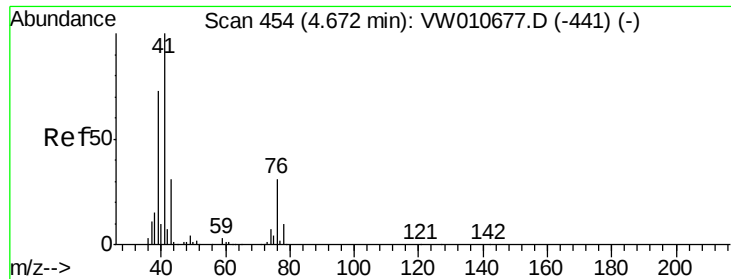
Tgt Ion: 43 Resp: 162

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.1	33.1#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

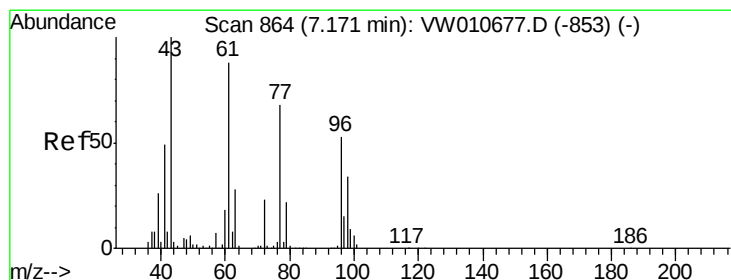
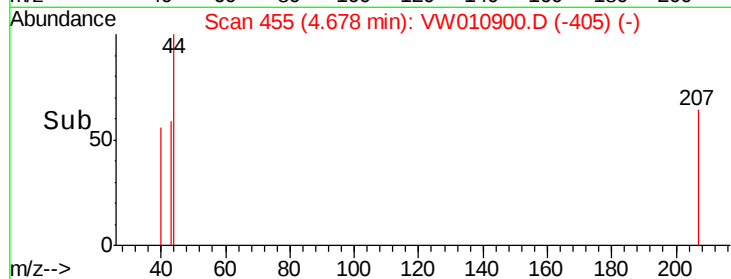
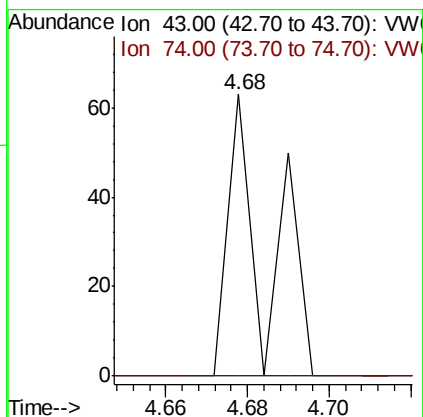
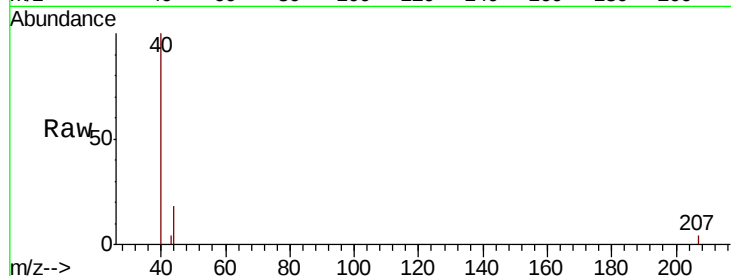




#18
Methyl Acetate
Concen: 1.475 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

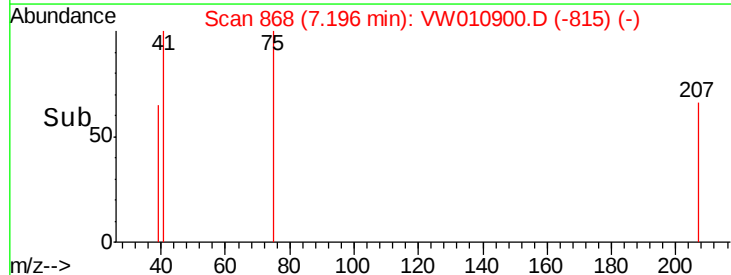
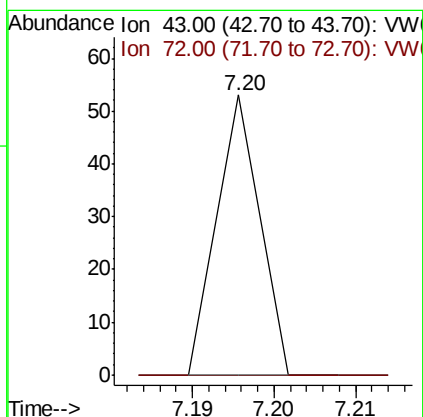
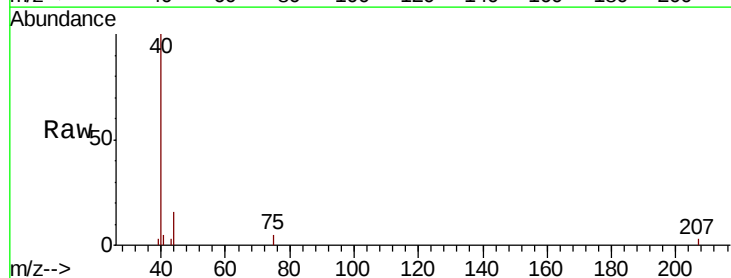
Instrument :
MSVOA_W
ClientSampled :

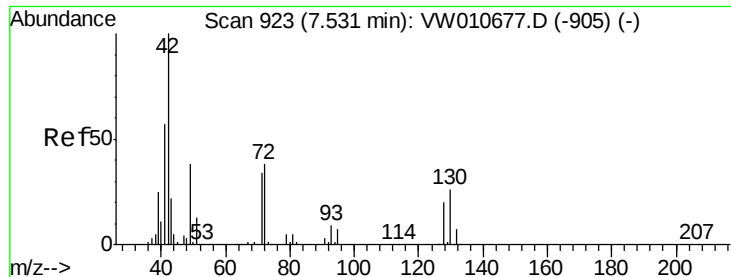
Tot Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#25
2-Butanone
Concen: 1.061 ug/l
RT: 7.20 min Scan# 868
Delta R.T. 0.02 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
72 0.0 18.1 27.1#

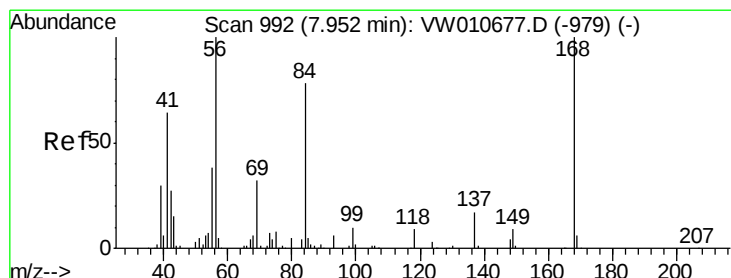
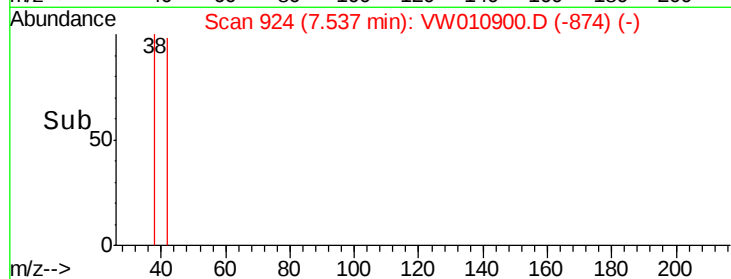
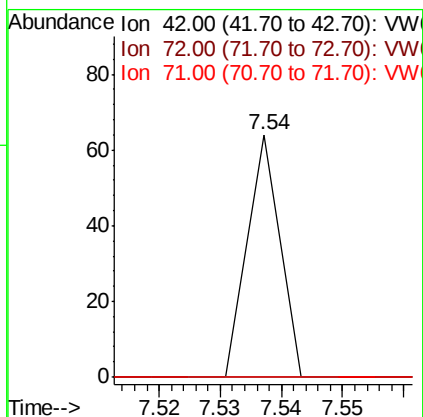
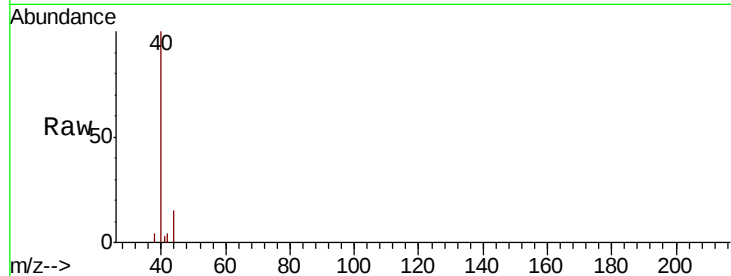




#29
Tetrahydrofuran
Concen: 2.042 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

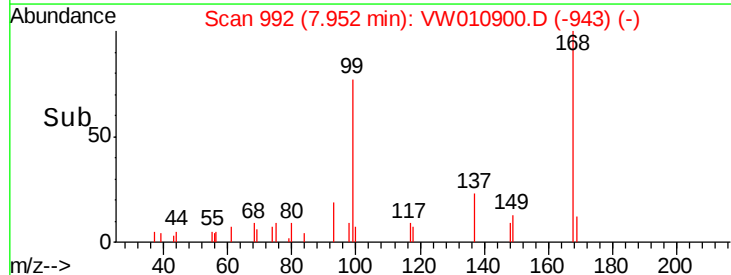
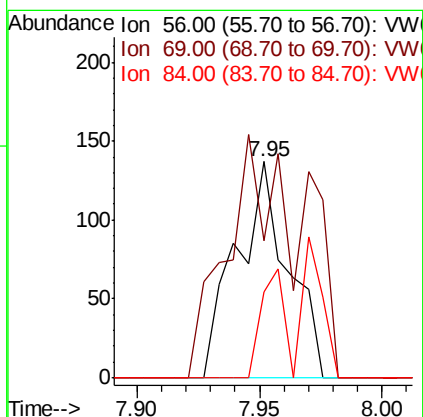
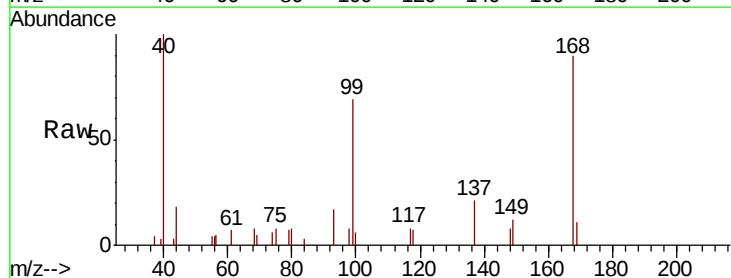
Instrument :
MSVOA_W
ClientSampleId :

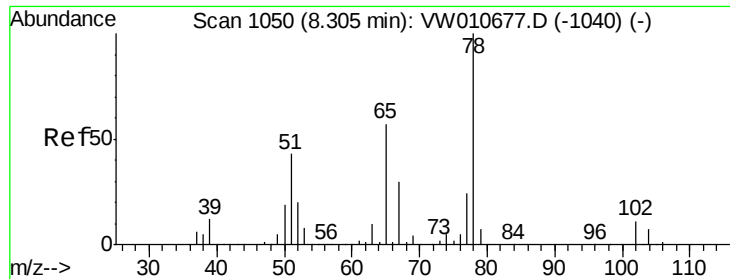
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.7	43.1#
71	0.0	26.6	39.8#



#31
Cyclohexane
Concen: 2.056 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

Tgt Ion	Ratio	Lower	Upper
56	100		
69	63.5	25.2	37.8#
84	39.4	62.2	93.2#

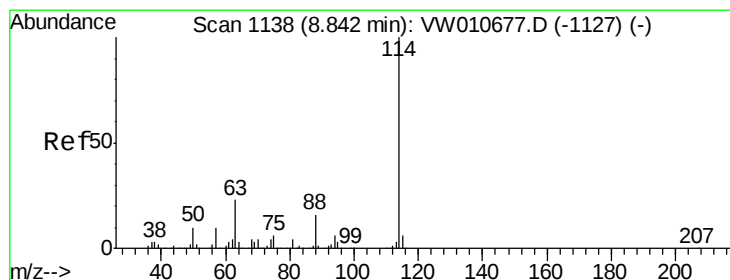
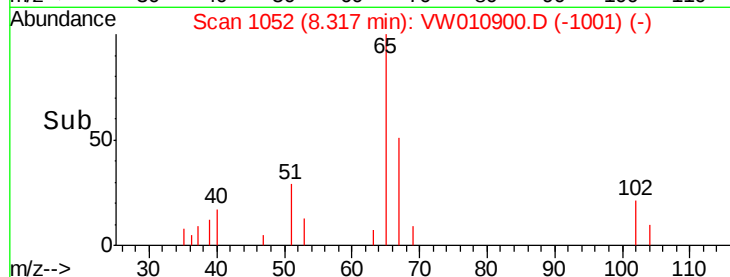
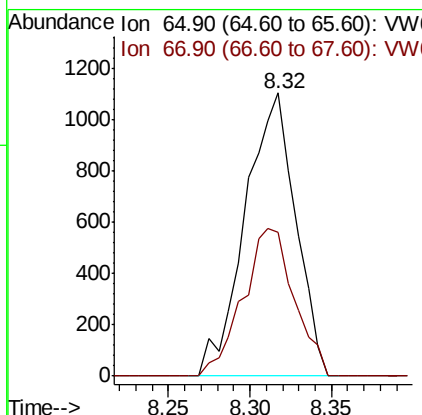
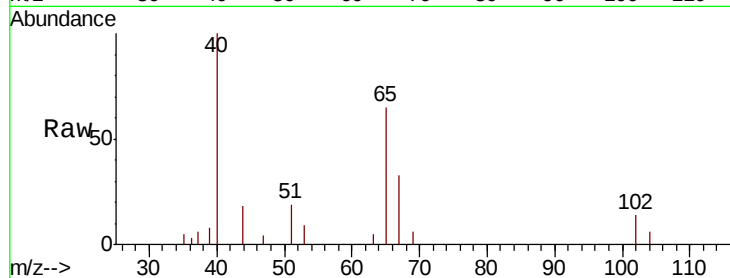




#33
 1,2-Dichloroethane-d4
 Concen: 49.225 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VW010900.D
 Acq: 20 Jun 2019 19:00

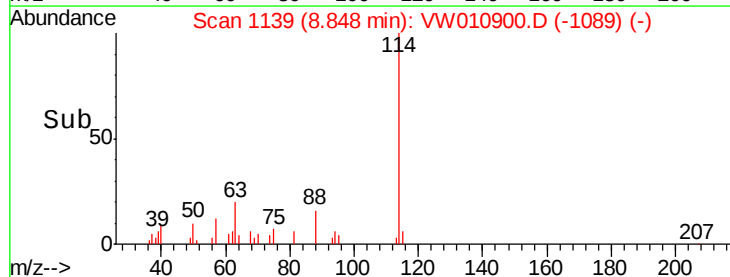
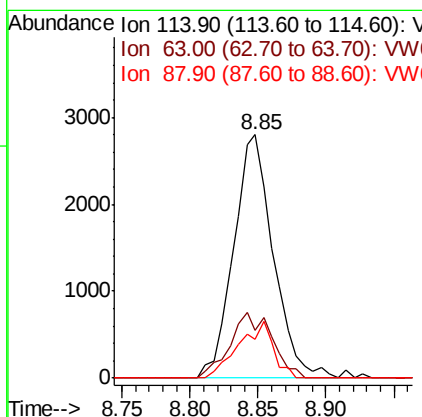
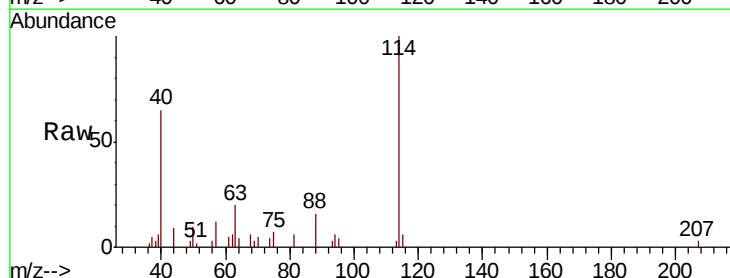
Instrument :
 MSVOA_W
 ClientSampleId :

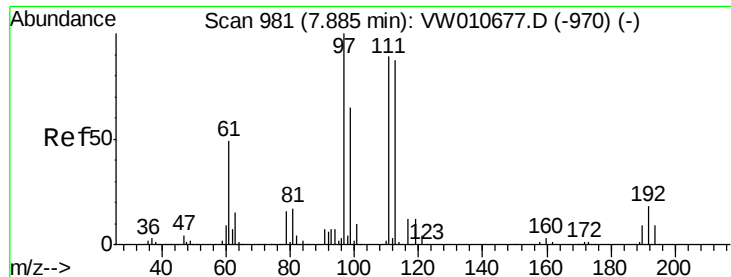
Tot Ion: 65 Resp: 2373
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW010900.D
 Acq: 20 Jun 2019 19:00

Tgt Ion: 114 Resp: 5689
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 46.4
 88 16.2 0.0 32.2

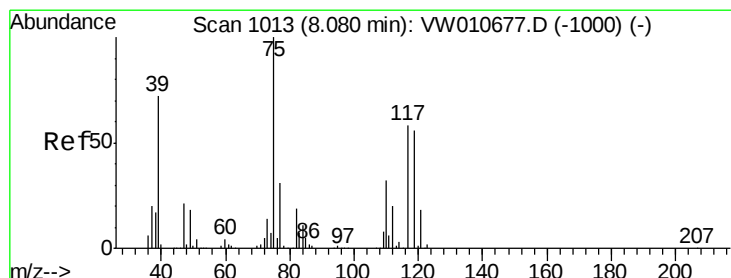
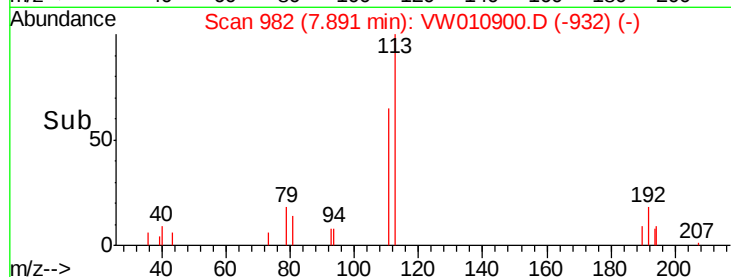
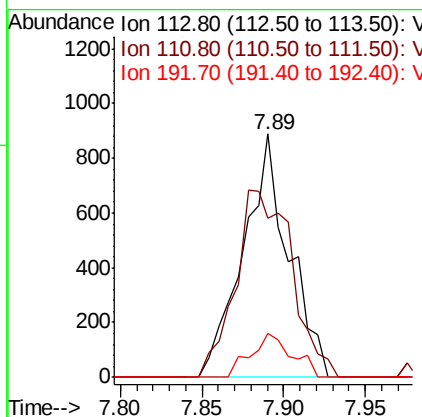
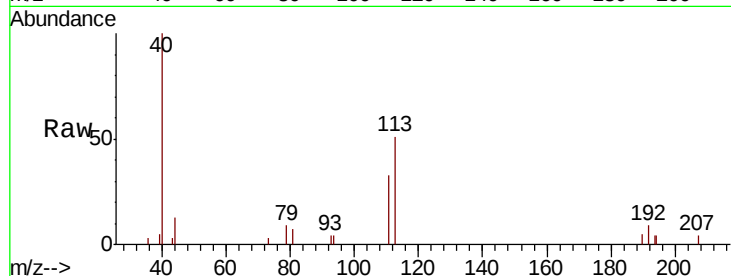




#35
 Dibromofluoromethane
 Concen: 56.220 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW010900.D
 Acq: 20 Jun 2019 19:00

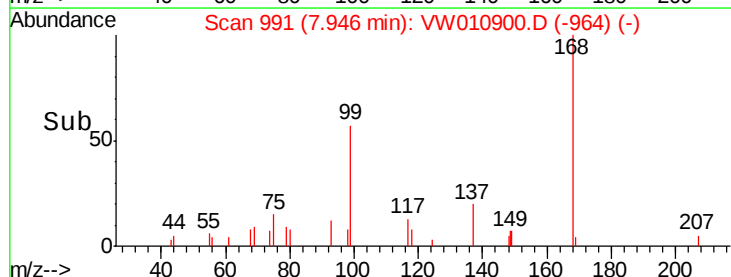
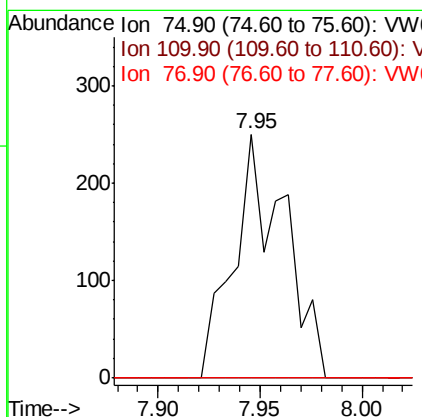
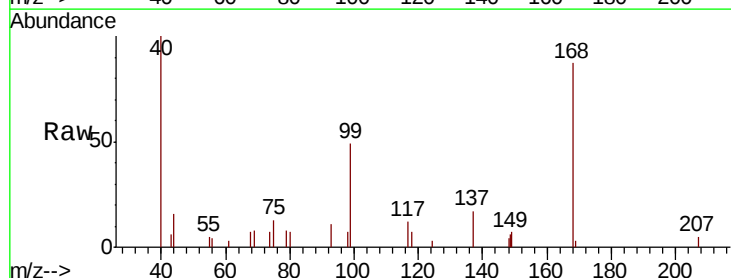
Instrument :
 MSVOA_W
 ClientSampleId :

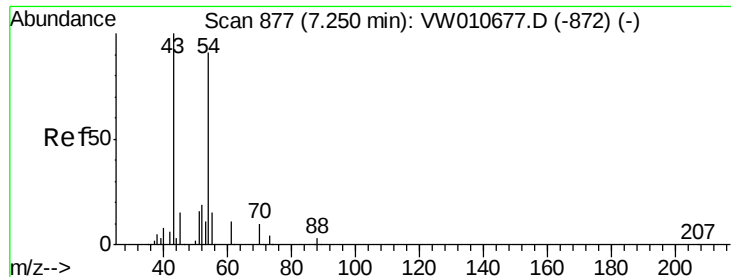
Tot Ion:113 Resp: 1736
 Ion Ratio Lower Upper
 113 100
 111 94.4 82.6 123.8
 192 16.2 16.4 24.6#



#36
 1,1-Dichloropropene
 Concen: 7.418 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010900.D
 Acq: 20 Jun 2019 19:00

Tgt Ion: 75 Resp: 432
 Ion Ratio Lower Upper
 75 100
 110 0.0 15.8 47.3#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.271 ug/l

RT: 7.25 min Scan# 877

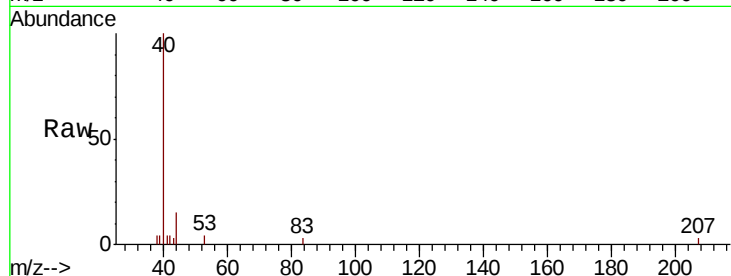
Delta R.T. 0.00 min

Lab File: VW010900.D

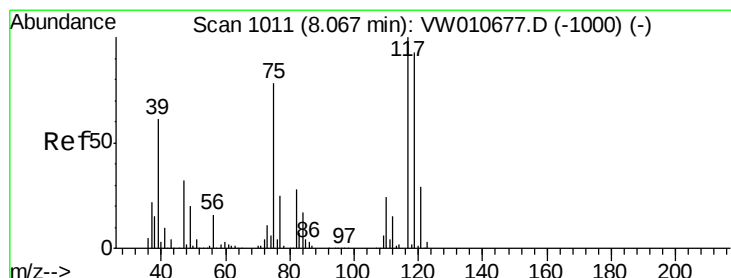
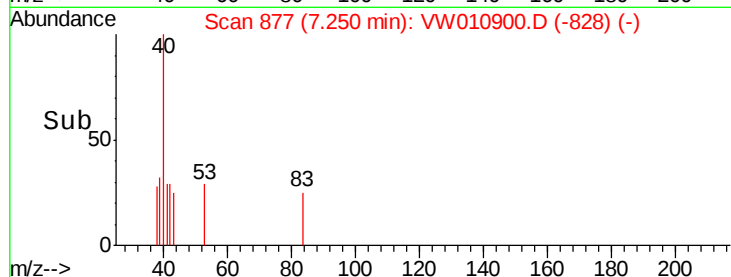
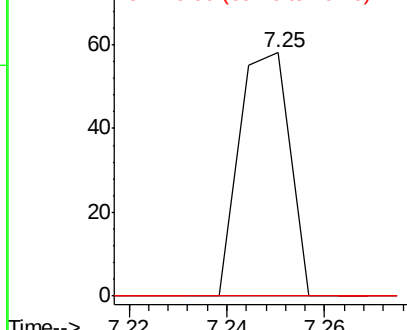
Acq: 20 Jun 2019 19:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	43	Resp:	41
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	7.2	10.8#



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: 5.272 ug/l

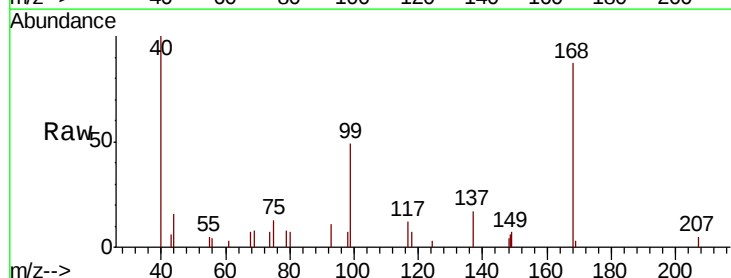
RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

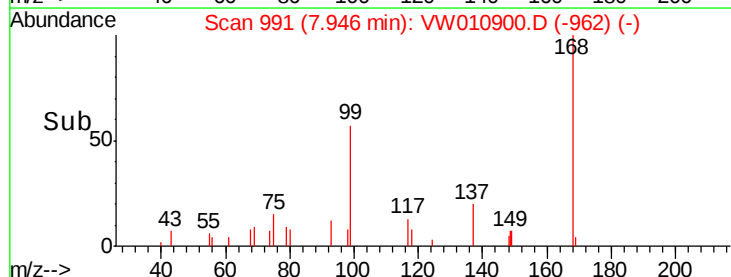
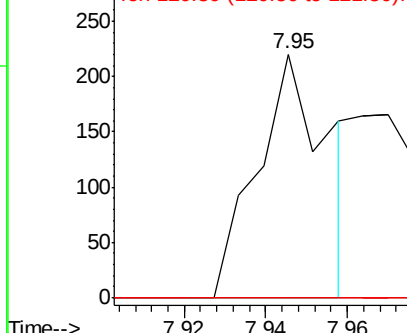
Lab File: VW010900.D

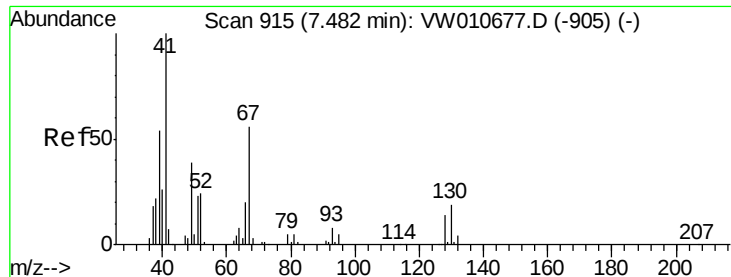
Acq: 20 Jun 2019 19:00

Tgt Ion:	117	Resp:	265
Ion	Ratio	Lower	Upper
117	100		
119	0.0	74.2	111.4#
121	0.0	22.9	34.3#



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

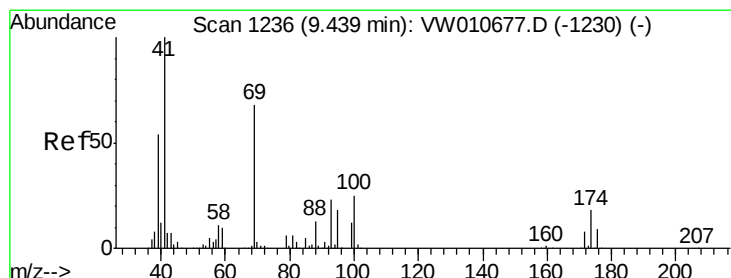
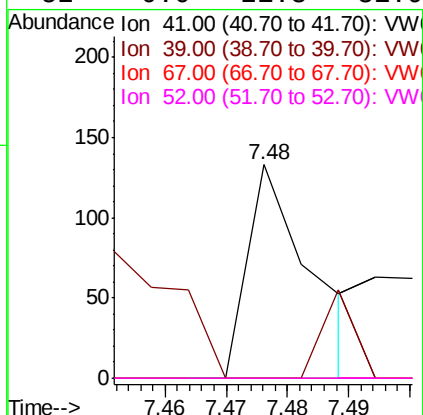
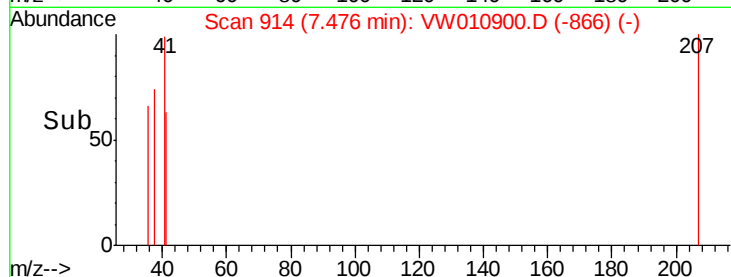
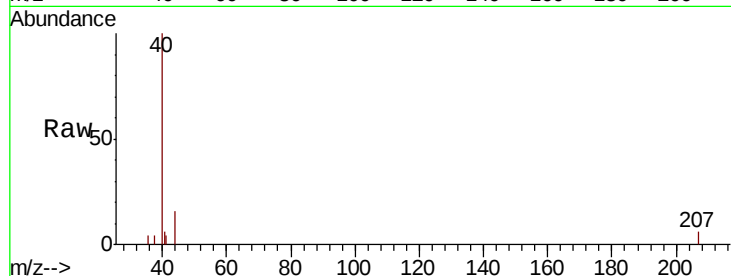




#41
Methacrylonitrile
Concen: 4.901 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

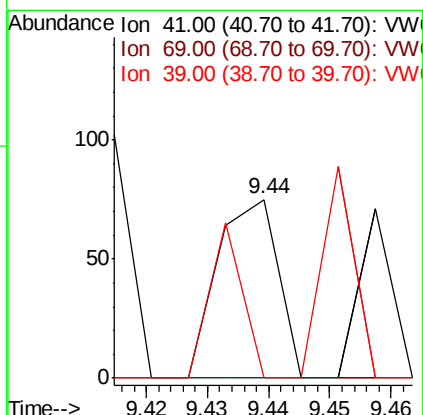
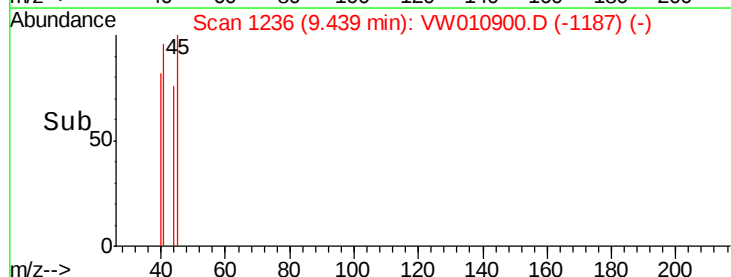
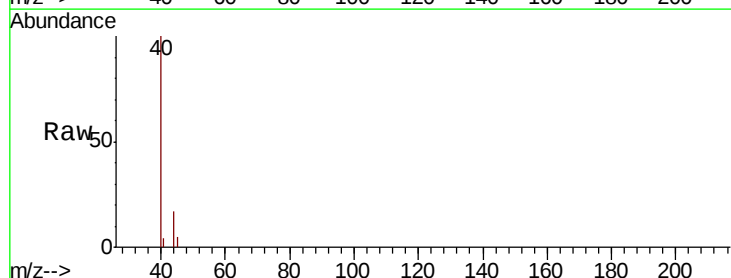
Instrument :
MSVOA_W
ClientSampled :

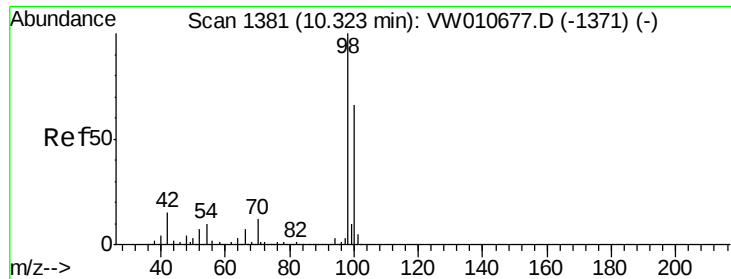
Tot Ion	Ratio	Lower	Upper
41	100		
39	21.3	47.3	70.9#
67	0.0	47.2	70.8#
52	0.0	21.3	31.9#



#48
Methyl methacrylate
Concen: 1.697 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	56.6	85.0#
39	47.1	44.4	66.6





#50

Toluene-d8

Concen: 40.973 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

Instrument :

MSVOA_W

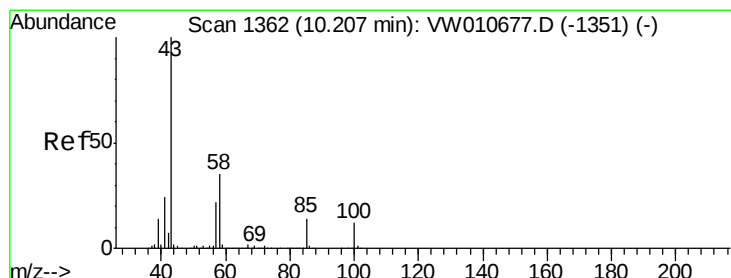
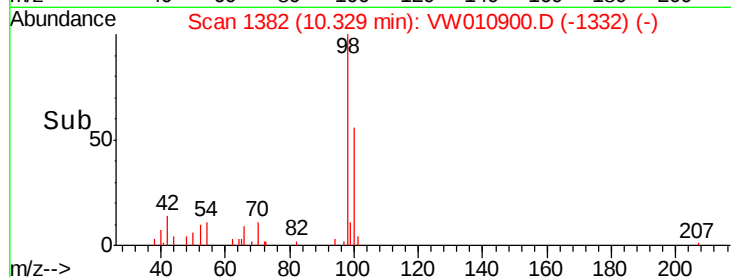
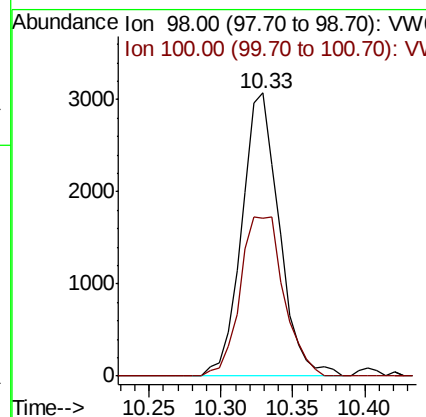
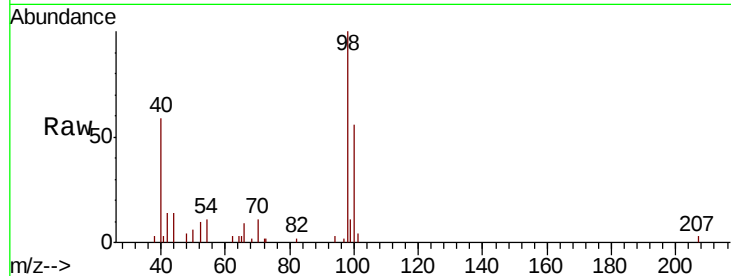
ClientSampleId :

Tot Ion: 98 Resp: 5548

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 3.674 ug/l

RT: 10.23 min Scan# 1366

Delta R.T. 0.02 min

Lab File: VW010900.D

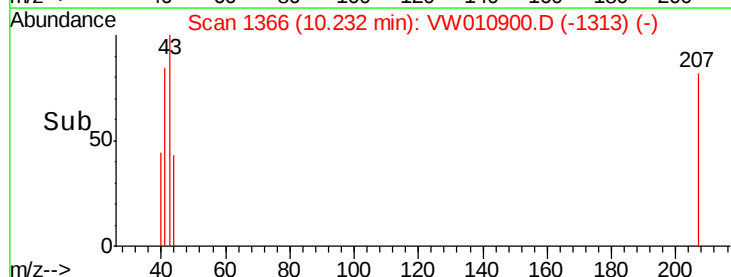
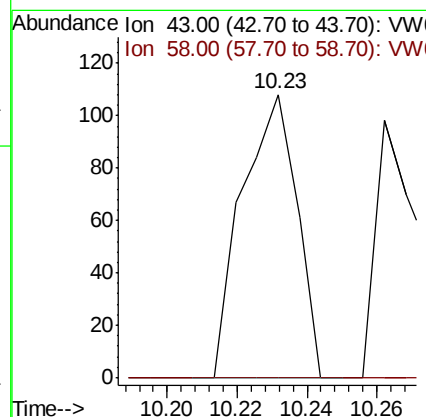
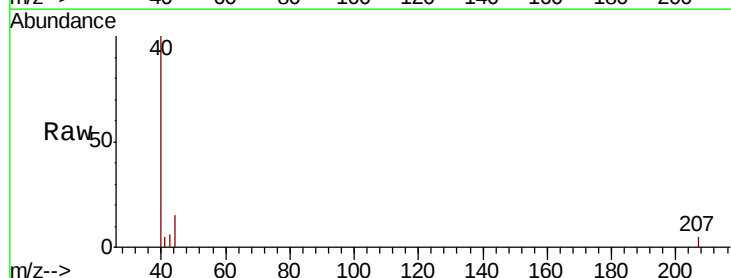
Acq: 20 Jun 2019 19:00

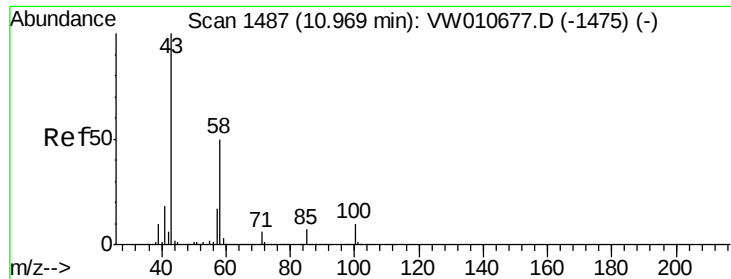
Tgt Ion: 43 Resp: 117

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#





#59

2-Hexanone

Concen: 1.955 ug/l

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

Instrument :

MSVOA_W

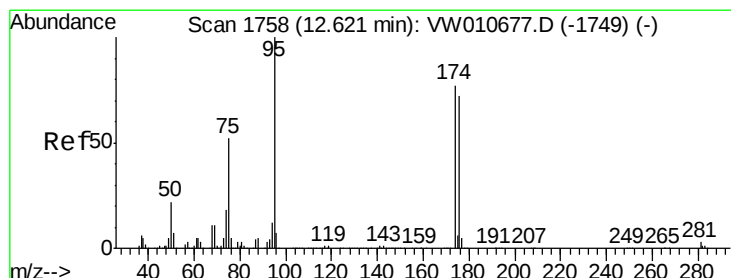
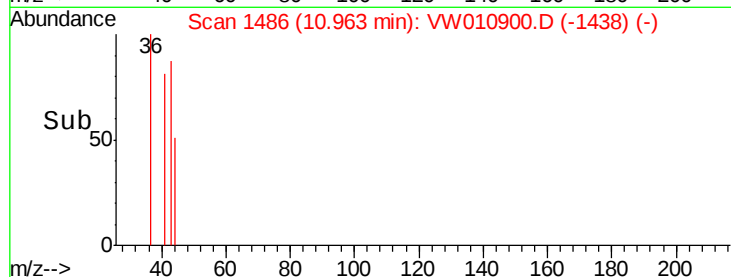
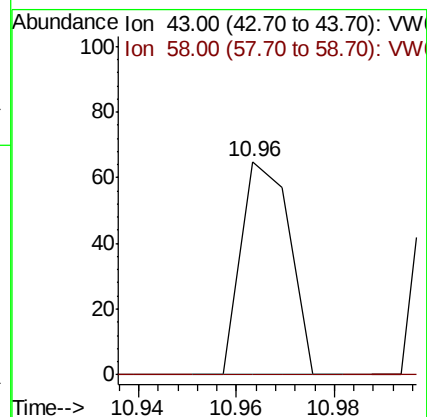
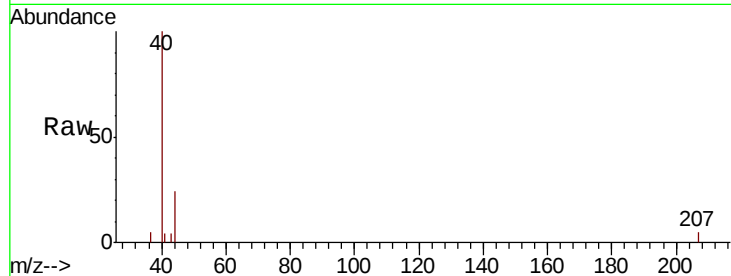
ClientSampleId :

Tot Ion: 43 Resp: 45

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 15.100 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

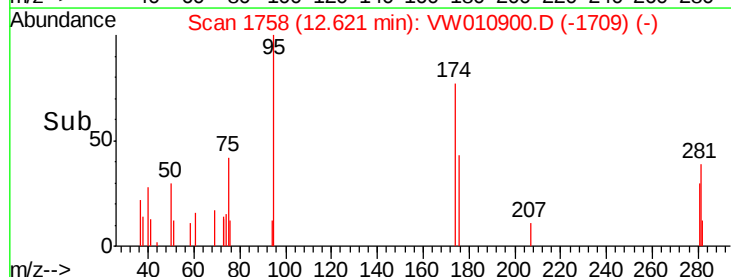
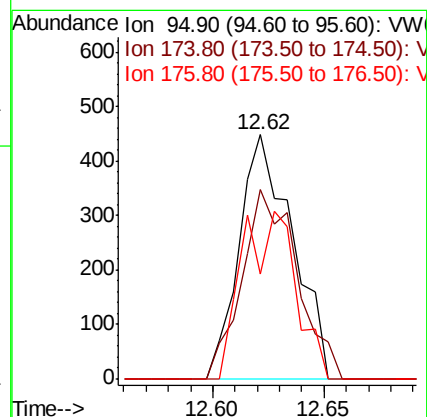
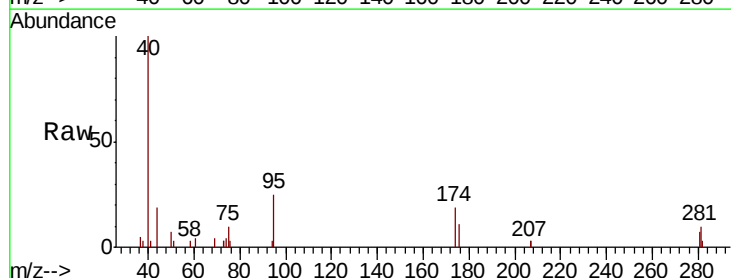
Tgt Ion: 95 Resp: 744

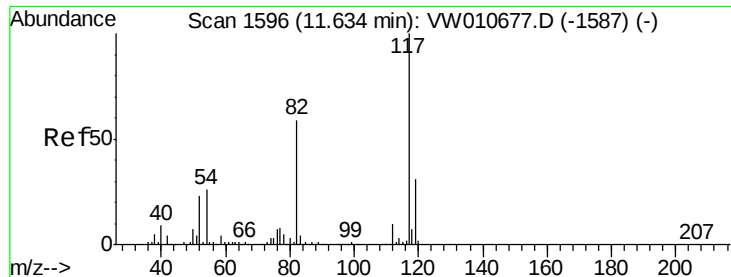
Ion Ratio Lower Upper

95 100

174 80.1 0.0 150.4

176 69.0 0.0 144.8

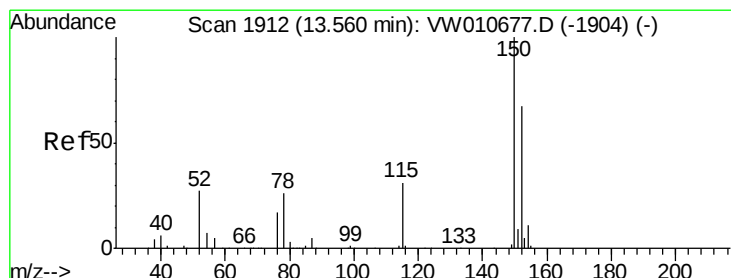
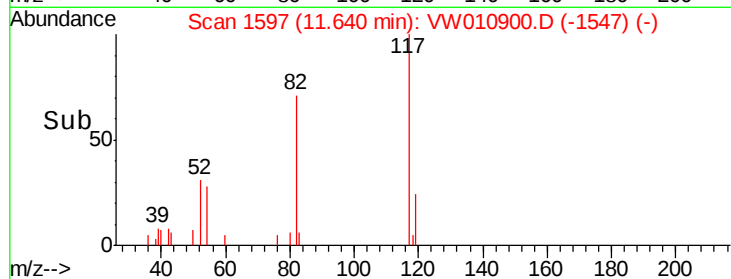
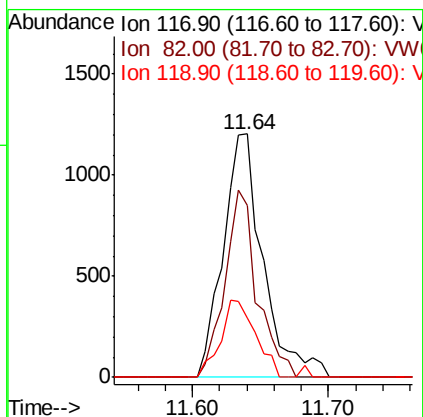
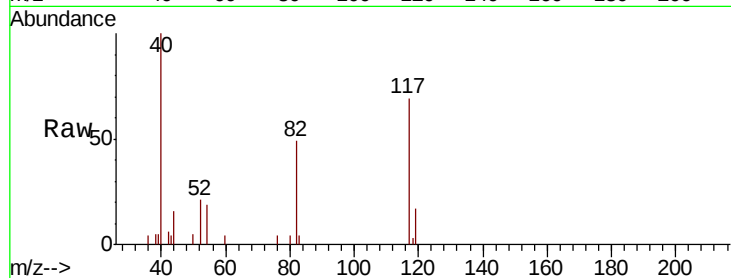




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

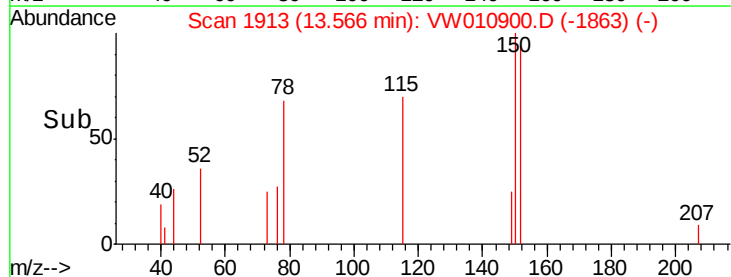
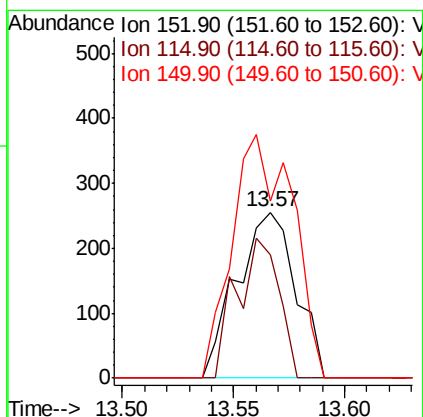
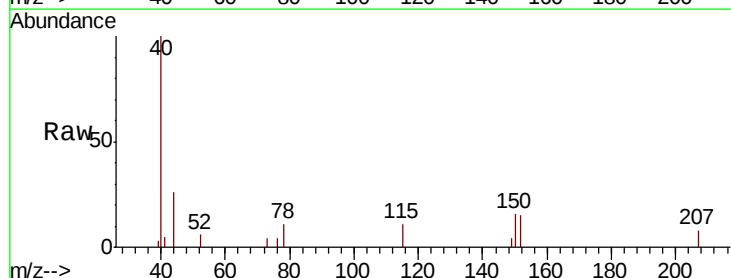
Instrument :
MSVOA_W
ClientSampleId :

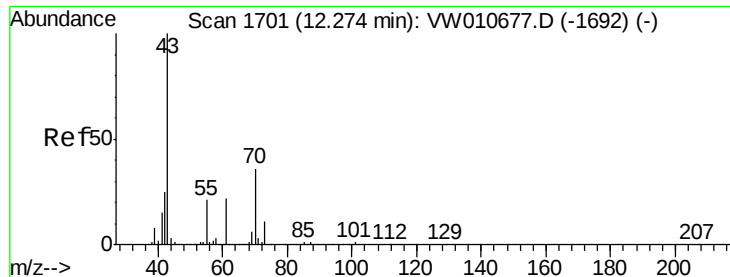
Tot Ion:117 Resp: 2457
Ion Ratio Lower Upper
117 100
82 70.7 47.0 70.4#
119 24.3 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW010900.D
Acq: 20 Jun 2019 19:00

Tgt Ion:152 Resp: 470
Ion Ratio Lower Upper
152 100
115 60.6 29.8 89.3
150 150.0 0.0 345.0





#74

N-amvl acetate

Concen: 2.365 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW010900.D

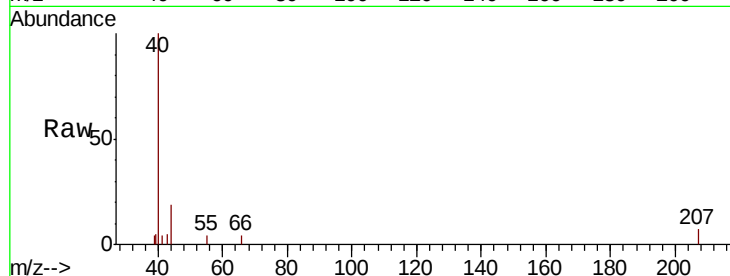
Acq: 20 Jun 2019 19:00

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	43	Resp:	27
Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.2	43.8#
55	96.3	17.5	26.3#
61	0.0	17.4	26.2#

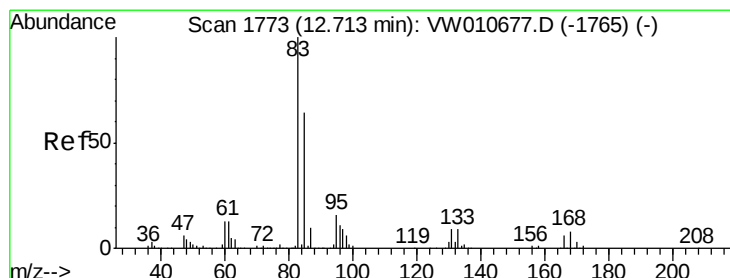
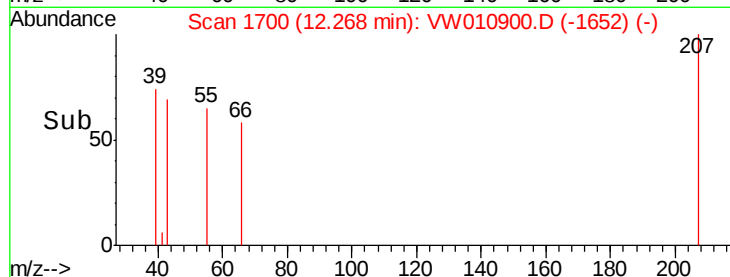
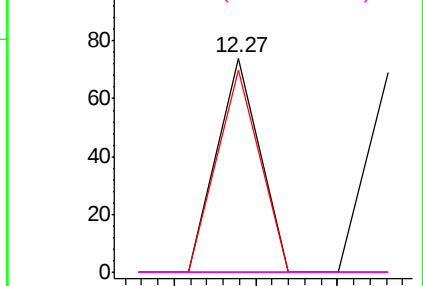


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#75

1,1,2,2-Tetrachloroethane

Concen: 3.569 ug/l

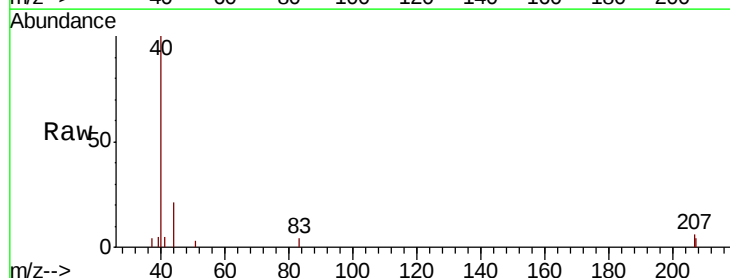
RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

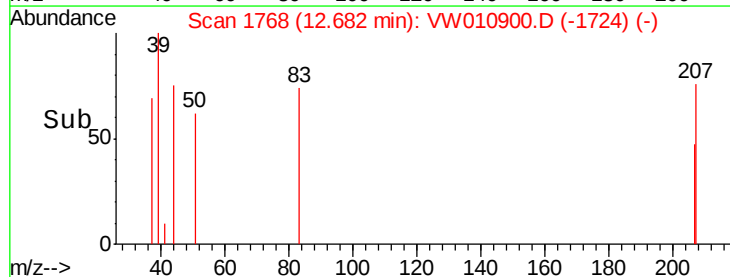
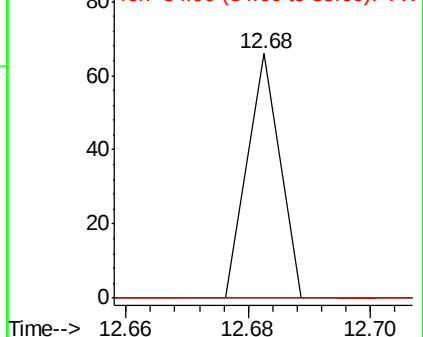
Tgt Ion:	83	Resp:	24
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.7#
85	0.0	31.9	95.9#

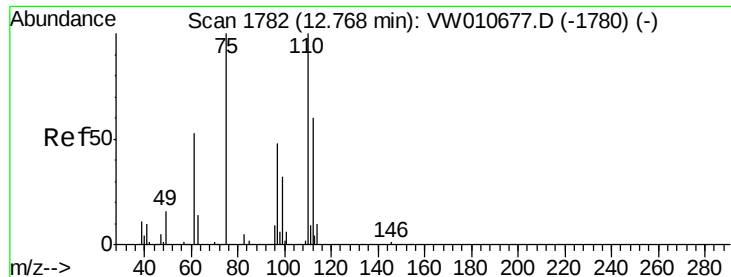


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 83.880 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.14 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

Instrument :

MSVOA_W

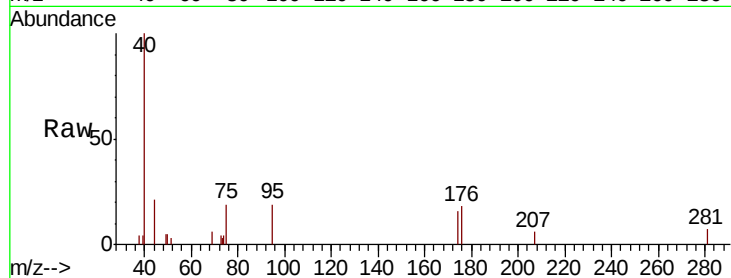
ClientSampleId :

Tot Ion: 75 Resp: 414

Ion Ratio Lower Upper

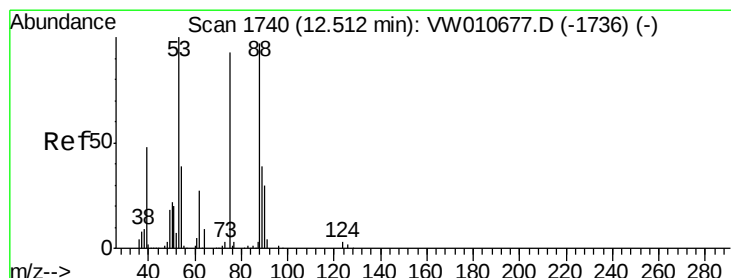
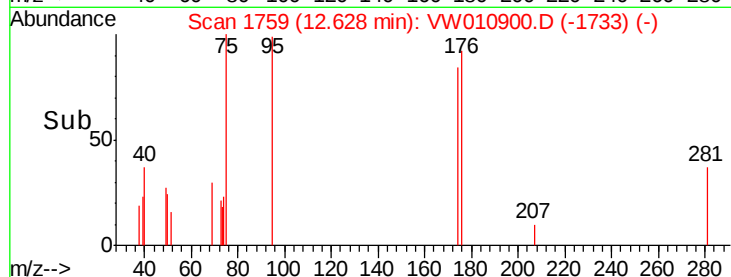
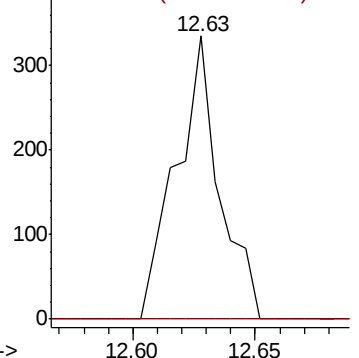
75 100

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: 192.783 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.12 min

Lab File: VW010900.D

Acq: 20 Jun 2019 19:00

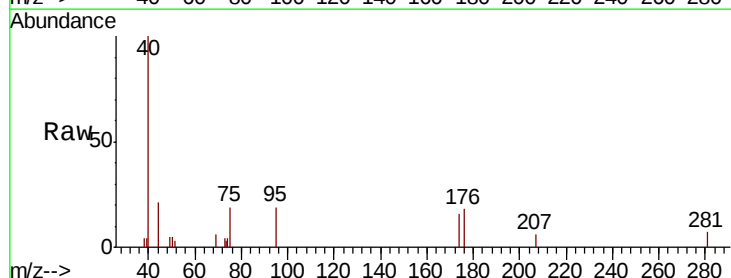
Tgt Ion: 75 Resp: 414

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 34.6 52.0#



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

