

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112718\
 Data File : VW007091.D
 Acq On : 27 Nov 2018 16:45
 Operator : VAY/AP
 Sample : J5996-25RE
 Misc : 6.15G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-06-A

Quant Time: Nov 28 00:27:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	105611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	166012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	155539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	71423	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	51030	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
35) Dibromofluoromethane	7.89	113	42868	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	
50) Toluene-d8	10.33	98	181159	43.76	ug/l	0.00
Spiked Amount			Recovery	=	87.52%	
62) 4-Bromofluorobenzene	12.62	95	69177	42.46	ug/l	0.00
Spiked Amount			Recovery	=	84.92%	

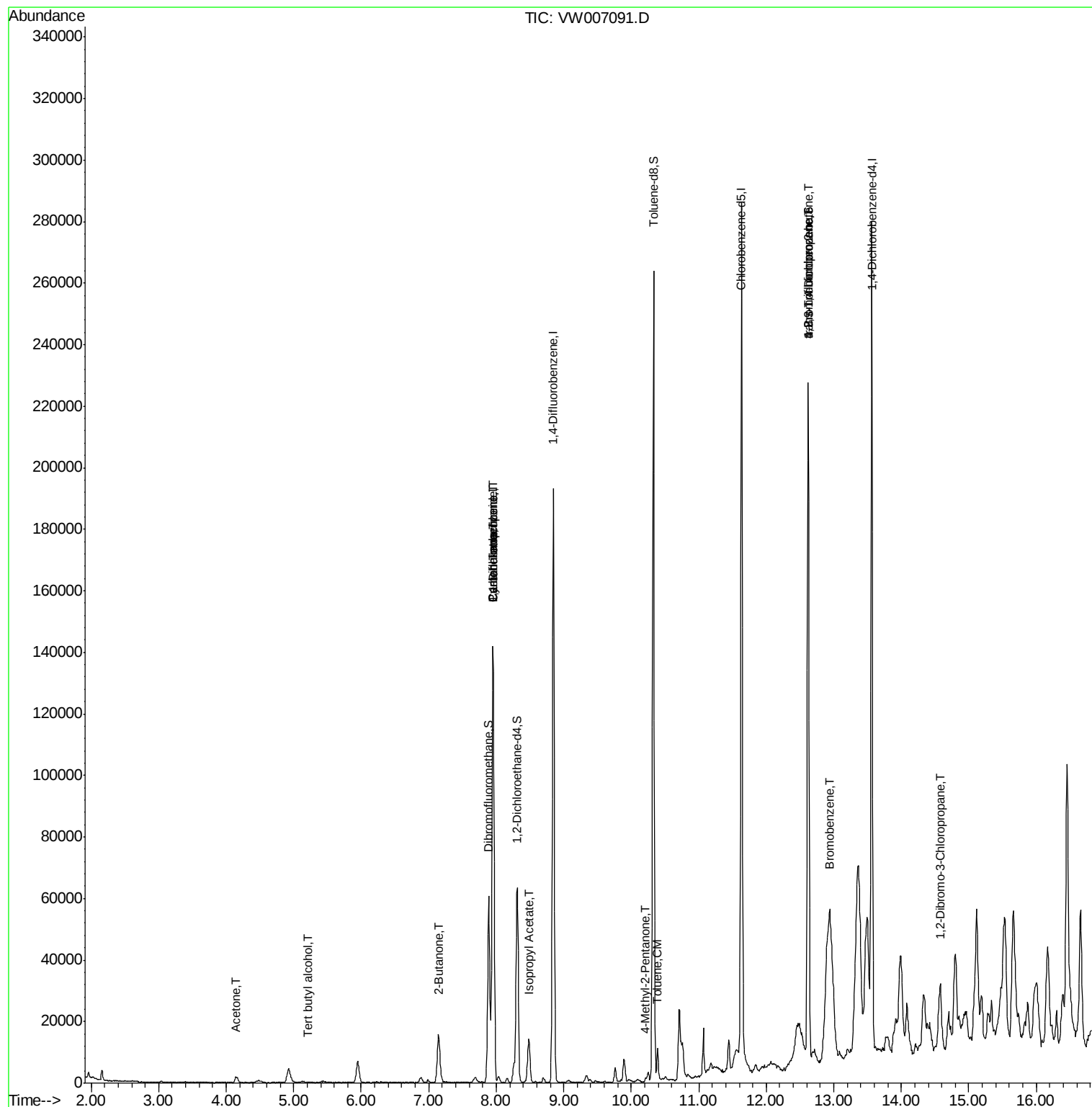
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	360	5.348	ug/l #	71
16) Acetone	4.14	43	3974	26.472	ug/l	99
20) Methylene Chloride	4.92	84	3520	Below Cal		89
25) 2-Butanone	7.16	43	779	3.030	ug/l #	48
31) Cyclohexane	7.95	56	2449	1.230	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	7794	4.804	ug/l #	51
38) Carbon Tetrachloride	7.95	117	10669	6.868	ug/l #	17
43) Isopropyl Acetate	8.48	43	2877	2.568	ug/l #	49
51) 4-Methyl-2-Pentanone	10.21	43	1023	1.807	ug/l	100
52) Toluene	10.40	92	4655	1.562	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	34020	60.616	ug/l #	100
77) Bromobenzene	12.93	156	75325	63.180	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	34020	152.183	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.58	75	467	3.743	ug/l #	48

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

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Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
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: VW007091.D

Acq: 27 Nov 2018 16:45

Instrument :

MSVOA_W

ClientSampleId :

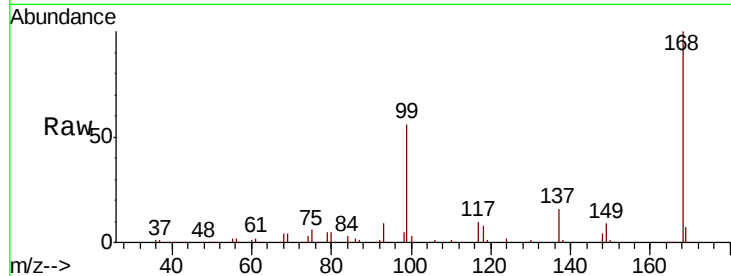
AOC1-06-A

Tot Ion:168 Resp: 105611

Ion Ratio Lower Upper

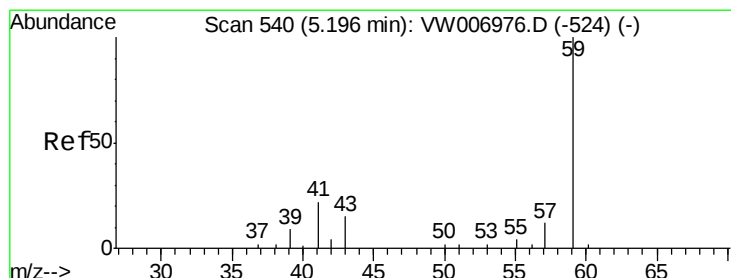
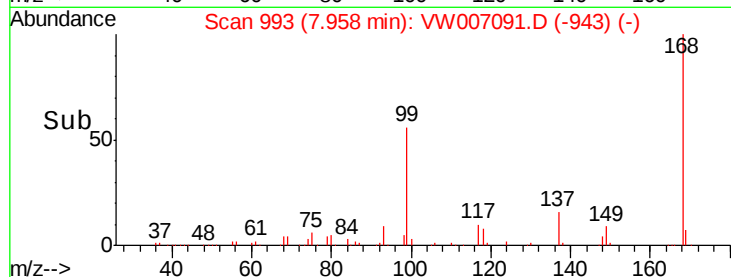
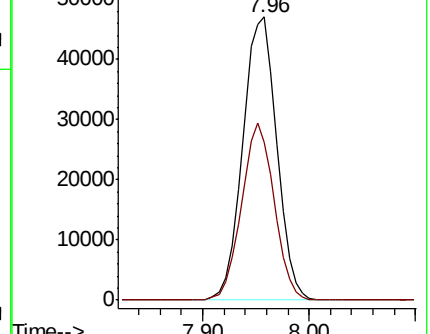
168 100

99 55.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.348 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.02 min

Lab File: VW007091.D

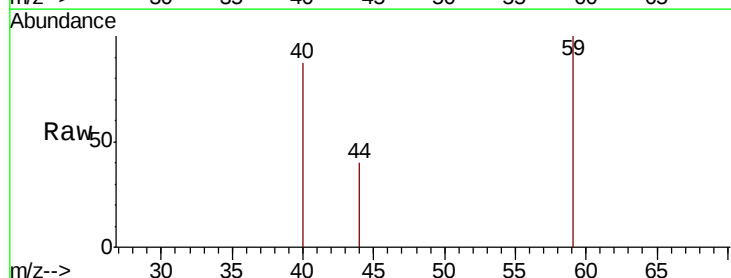
Acq: 27 Nov 2018 16:45

Tgt Ion: 59 Resp: 360

Ion Ratio Lower Upper

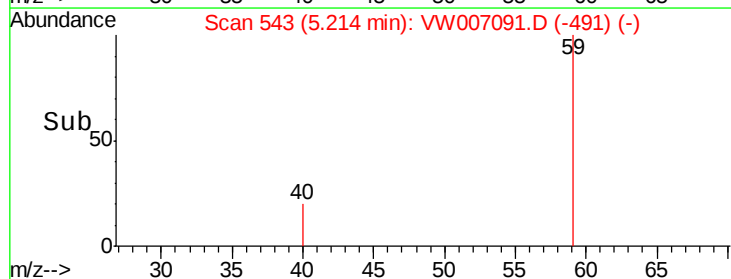
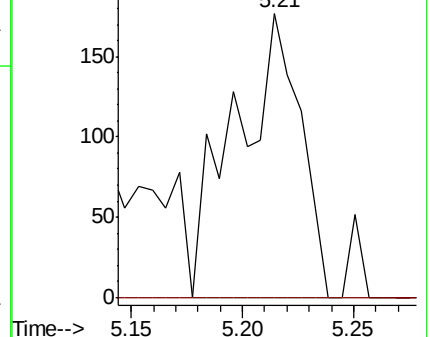
59 100

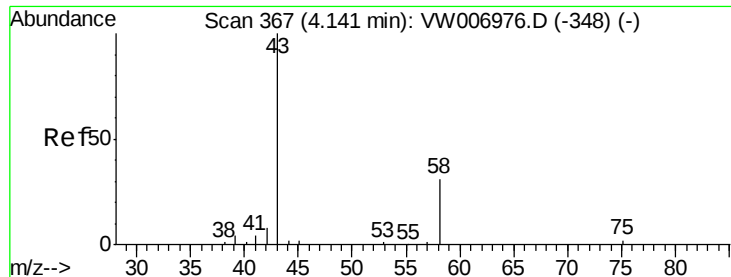
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 26.472 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW007091.D

Acq: 27 Nov 2018 16:45

Instrument :

MSVOA_W

ClientSampleId :

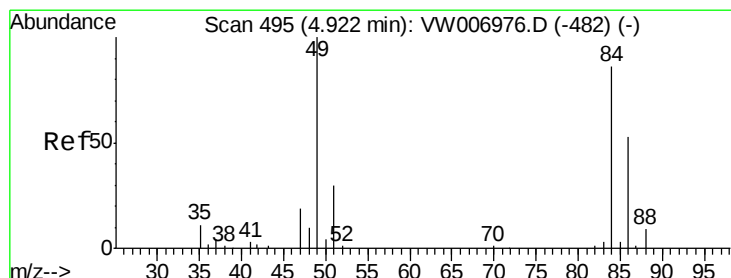
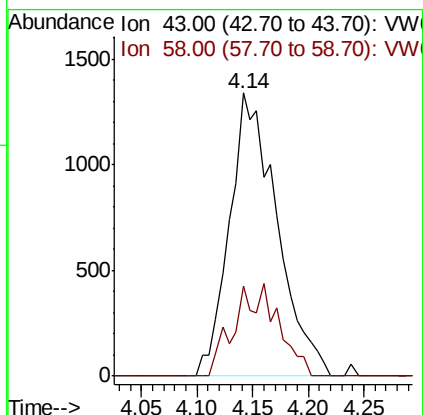
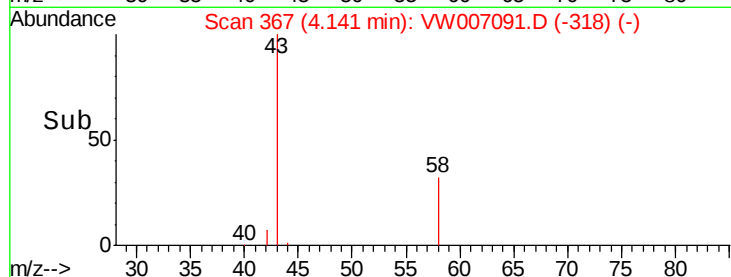
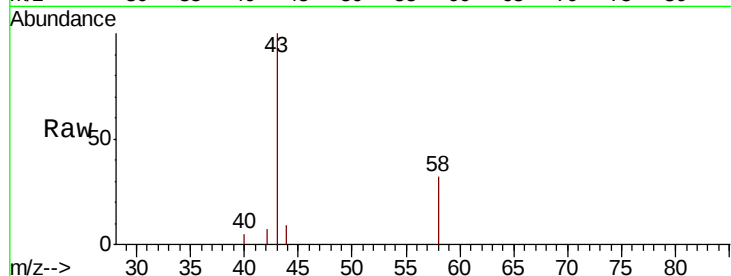
AOC1-06-A

Tot Ion: 43 Resp: 3974

Ion Ratio Lower Upper

43 100

58 31.7 24.8 37.2



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW007091.D

Acq: 27 Nov 2018 16:45

Tgt Ion: 84 Resp: 3520

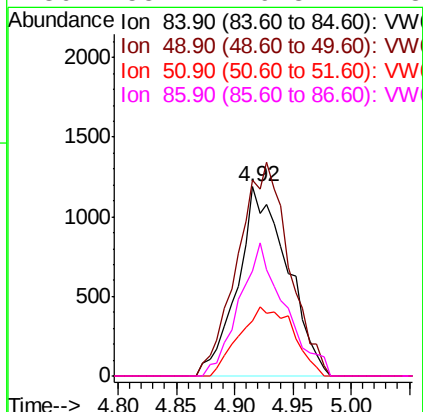
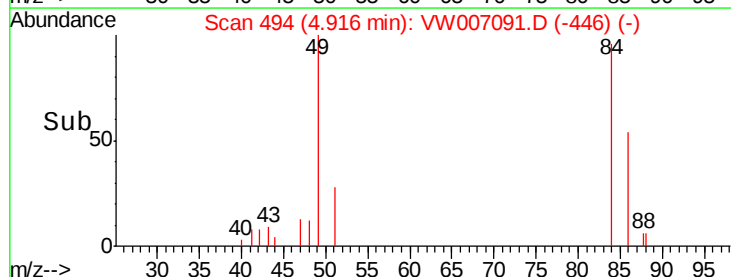
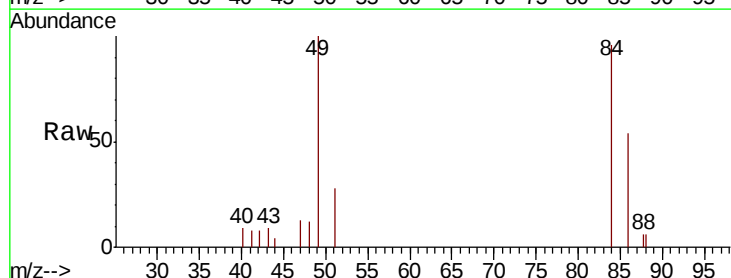
Ion Ratio Lower Upper

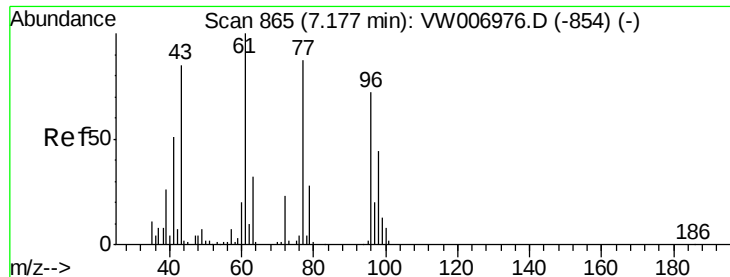
84 100

49 103.8 93.4 140.0

51 29.3 28.4 42.6

86 55.7 49.8 74.8





#25

2-Butanone

Concen: 3.030 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW007091.D

Acq: 27 Nov 2018 16:45

Instrument :

MSVOA_W

ClientSampleId :

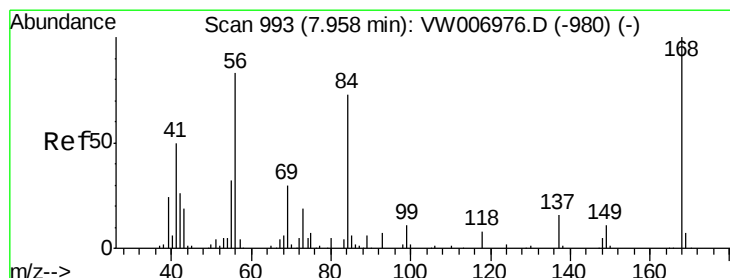
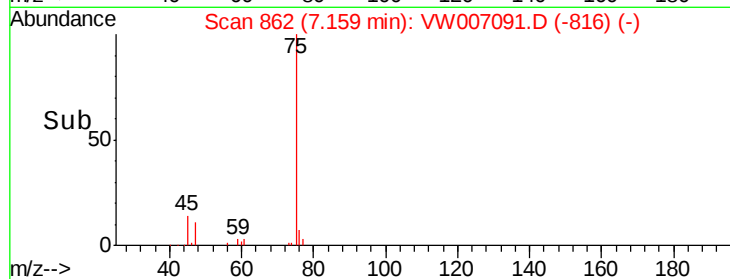
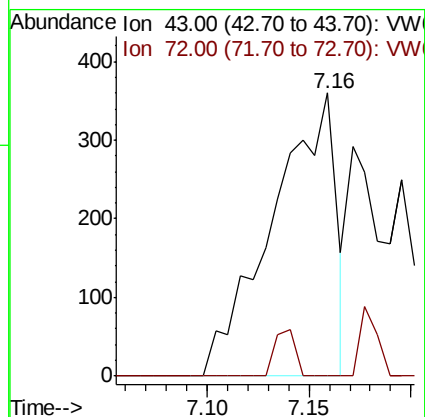
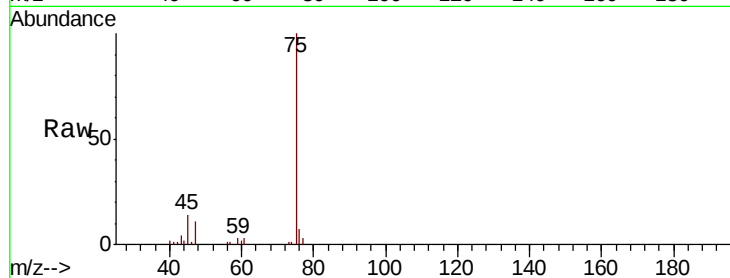
AOC1-06-A

Tot Ion: 43 Resp: 779

Ion Ratio Lower Upper

43 100

72 0.0 21.3 31.9#



#31

Cyclohexane

Concen: 1.230 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW007091.D

Acq: 27 Nov 2018 16:45

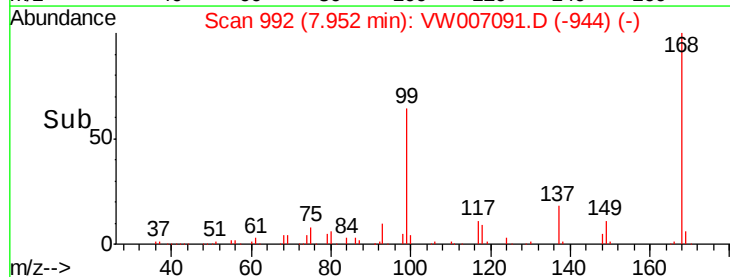
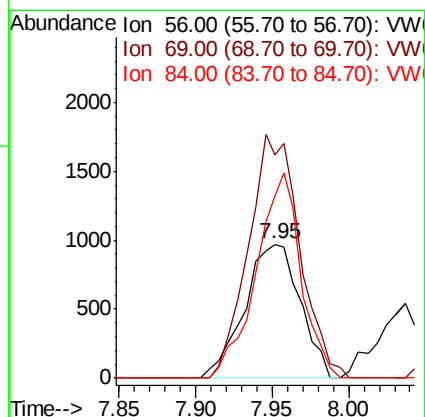
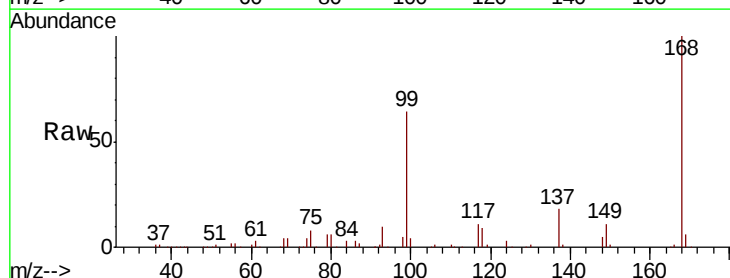
Tgt Ion: 56 Resp: 2449

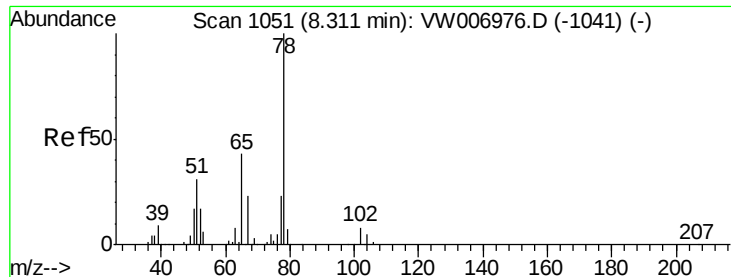
Ion Ratio Lower Upper

56 100

69 166.7 29.1 43.7#

84 136.7 70.6 105.8#

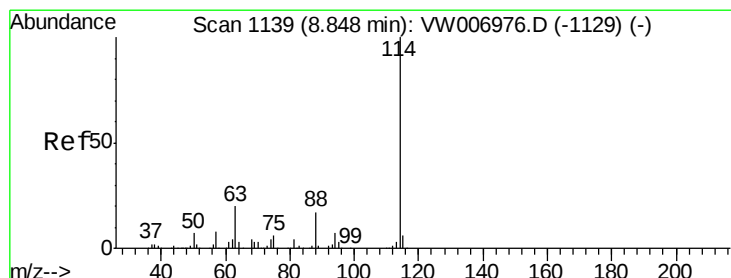
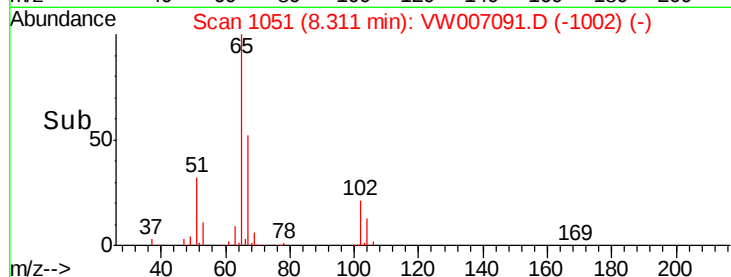
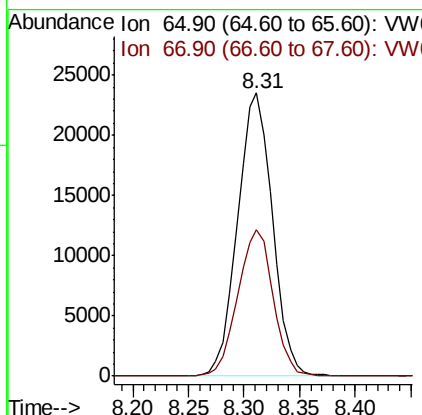
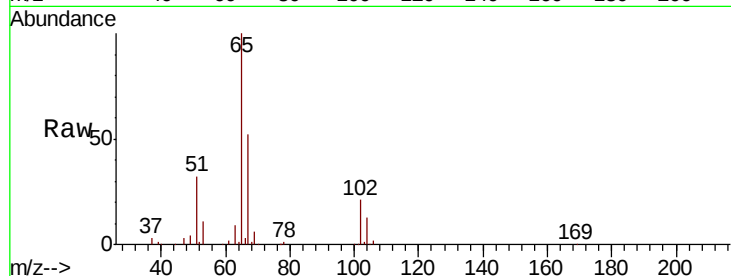




#33
 1,2-Dichloroethane-d4
 Concen: 49.354 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW007091.D
 Acq: 27 Nov 2018 16:45

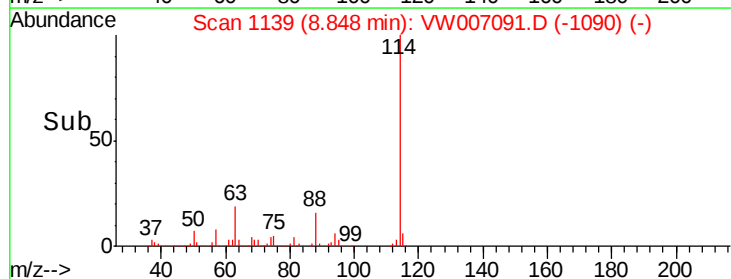
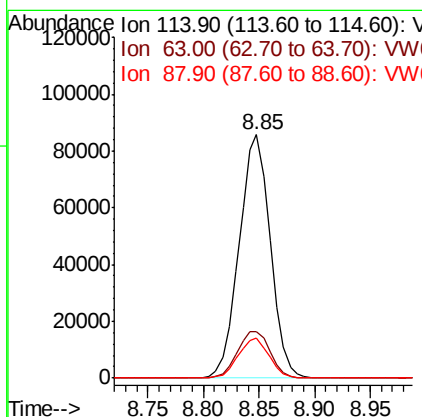
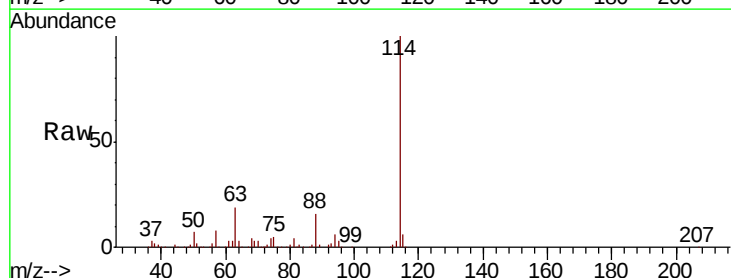
Instrument :
 MSVOA_W
 ClientSampled :
 AOC1-06-A

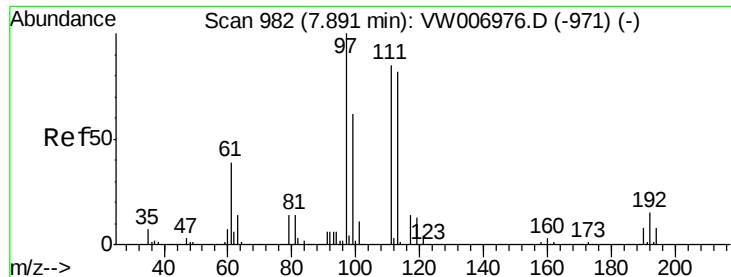
Tot Ion: 65 Resp: 51030
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007091.D
 Acq: 27 Nov 2018 16:45

Tgt Ion: 114 Resp: 166012
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.4
 88 16.4 0.0 34.2

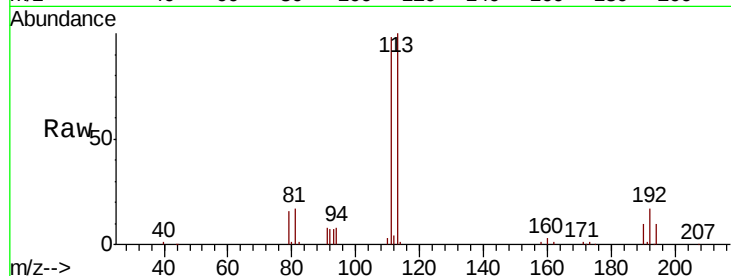




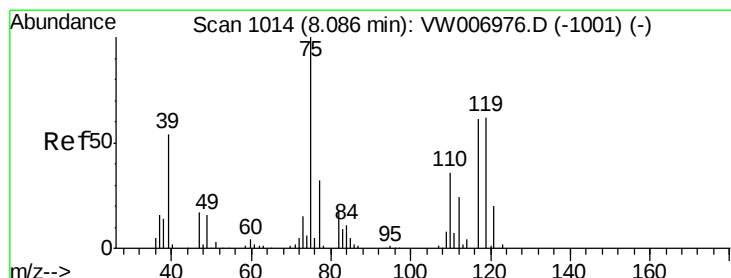
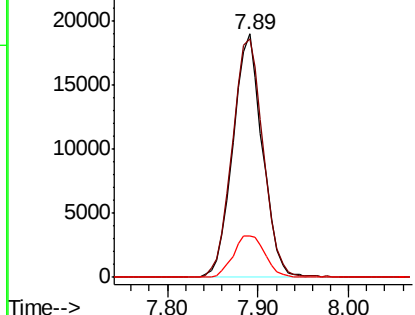
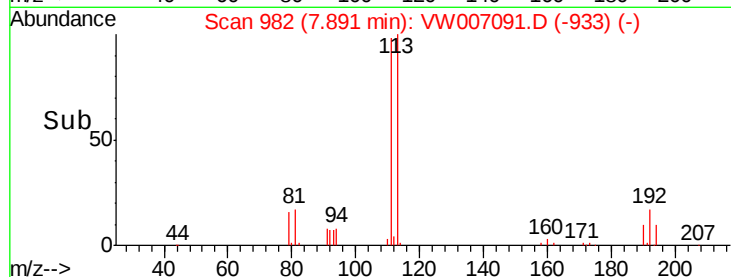
#35
 Dibromofluoromethane
 Concen: 45.725 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW007091.D
 Acq: 27 Nov 2018 16:45

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-06-A

Tot Ion:113 Resp: 42868
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.0 121.6
 192 18.5 15.0 22.6

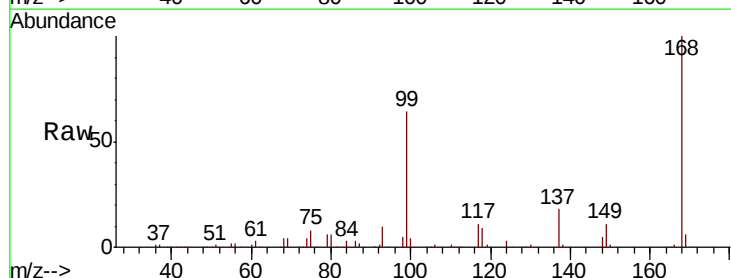


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

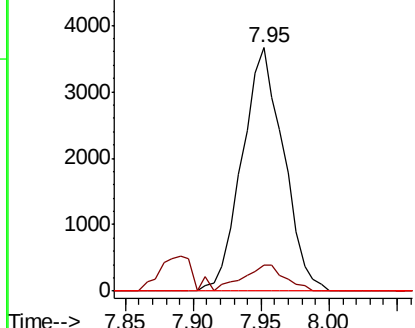
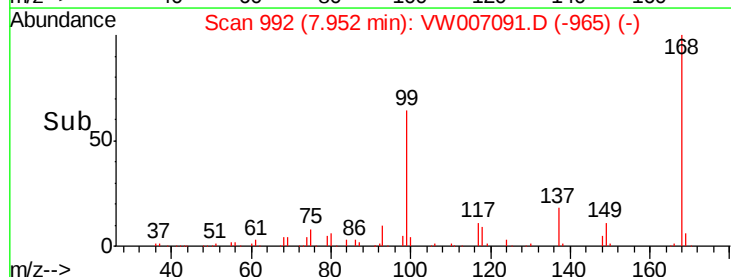


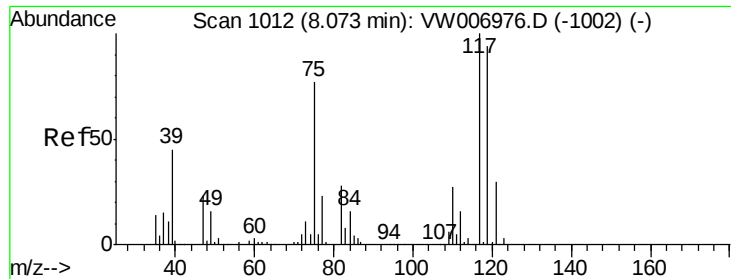
#36
 1,1-Dichloropropene
 Concen: 4.804 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007091.D
 Acq: 27 Nov 2018 16:45

Tgt Ion: 75 Resp: 7794
 Ion Ratio Lower Upper
 75 100
 110 11.0 18.0 54.0#
 77 0.0 24.9 37.3#



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

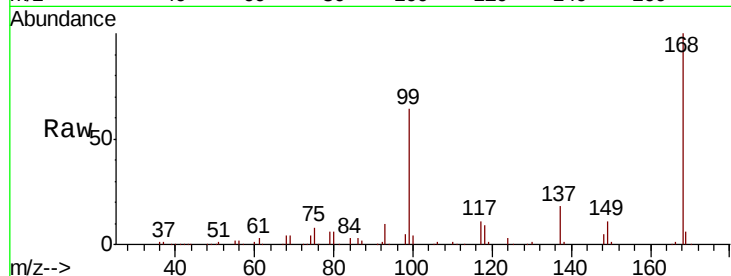




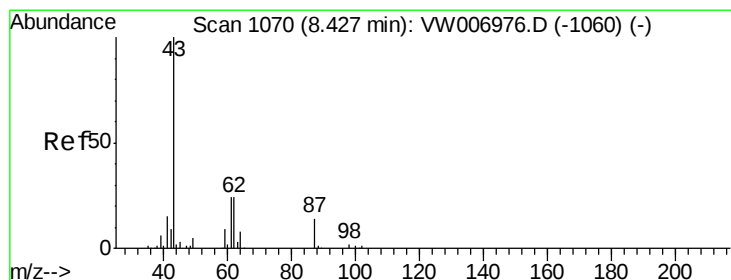
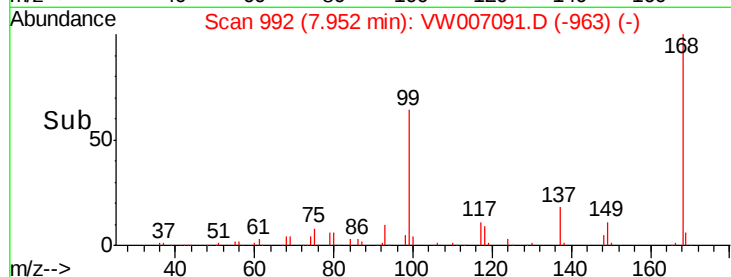
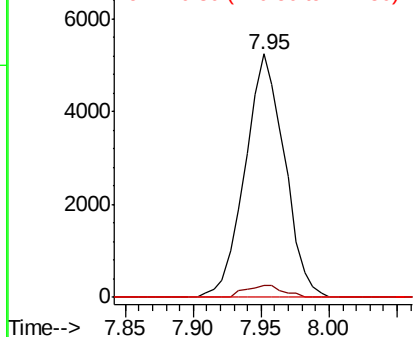
#38
Carbon Tetrachloride
Concen: 6.868 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007091.D
Acq: 27 Nov 2018 16:45

Instrument :
MSVOA_W
ClientSampleId :
AOC1-06-A

Tot Ion:117 Resp: 10669
Ion Ratio Lower Upper
117 100
119 5.1 74.9 112.3#
121 0.0 23.6 35.4#

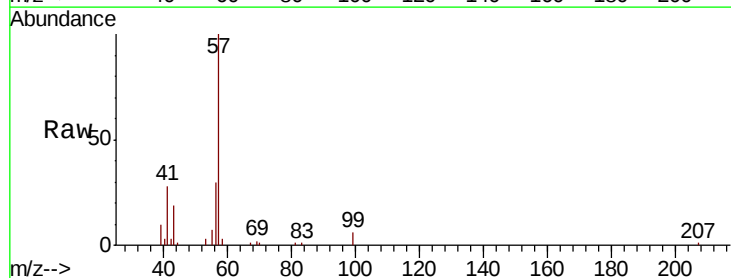


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

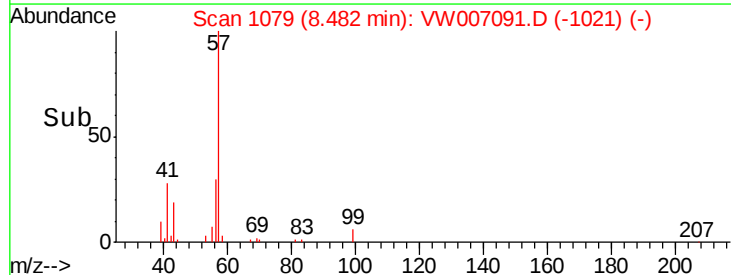
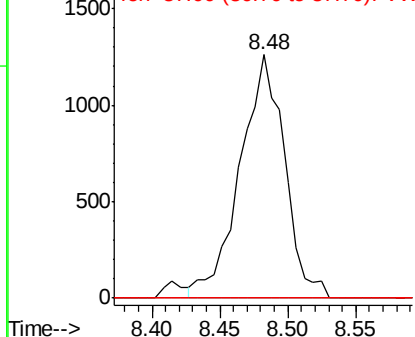


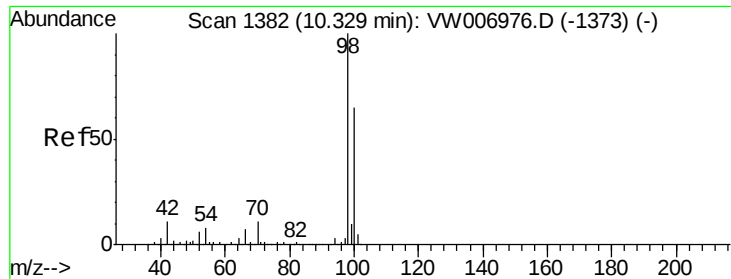
#43
Isopropyl Acetate
Concen: 2.568 ug/l
RT: 8.48 min Scan# 1079
Delta R.T. 0.05 min
Lab File: VW007091.D
Acq: 27 Nov 2018 16:45

Tgt Ion: 43 Resp: 2877
Ion Ratio Lower Upper
43 100
61 0.0 26.1 39.1#
87 0.0 11.2 16.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW





#50

Toluene-d8

Concen: 43.759 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW007091.D

Acq: 27 Nov 2018 16:45

Instrument :

MSVOA_W

ClientSampleId :

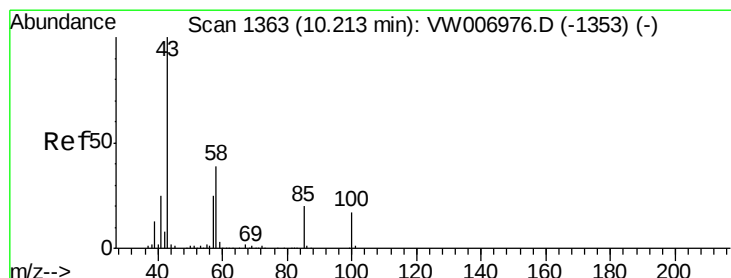
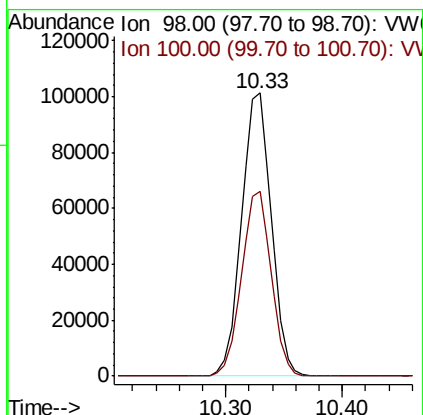
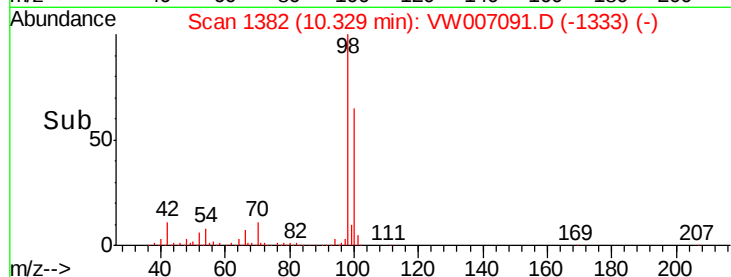
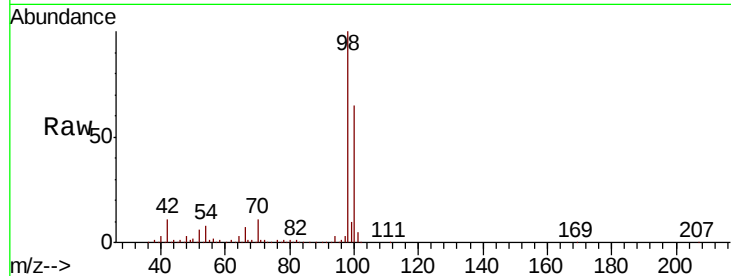
AOC1-06-A

Tot Ion: 98 Resp: 181159

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.807 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007091.D

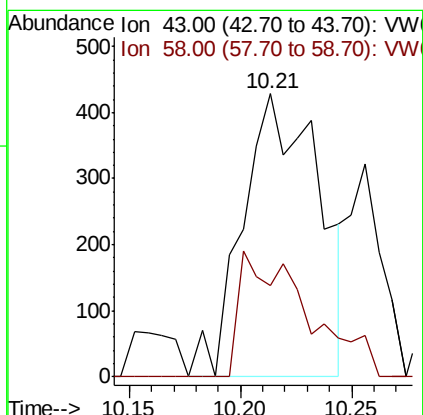
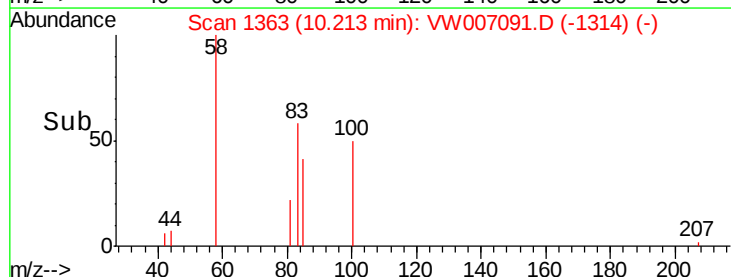
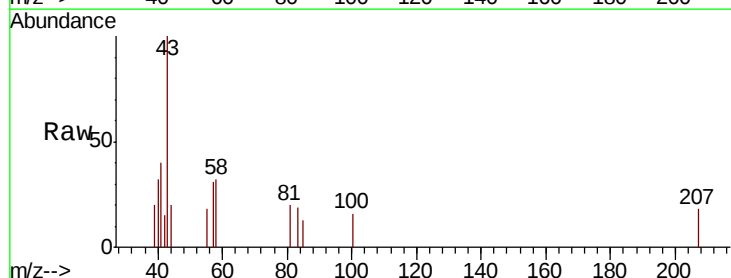
Acq: 27 Nov 2018 16:45

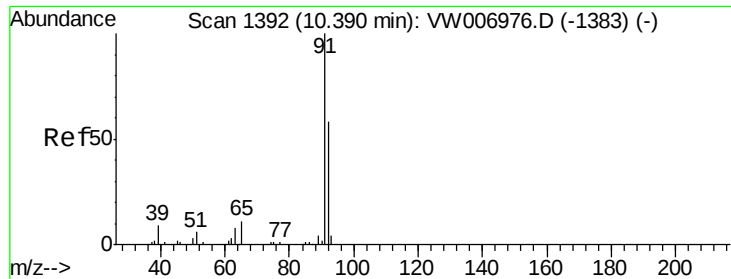
Tgt Ion: 43 Resp: 1023

Ion Ratio Lower Upper

43 100

58 39.4 31.8 47.6





#52

Toluene

Concen: 1.562 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW007091.D

Acq: 27 Nov 2018 16:45

Instrument :

MSVOA_W

ClientSampleId :

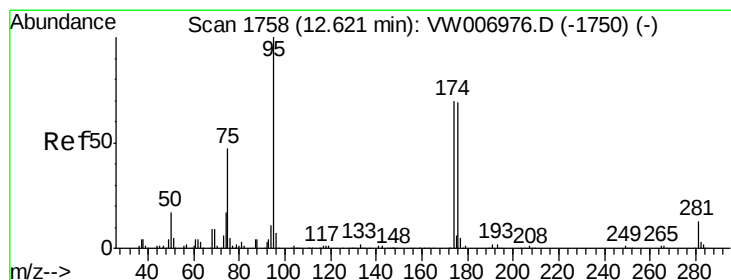
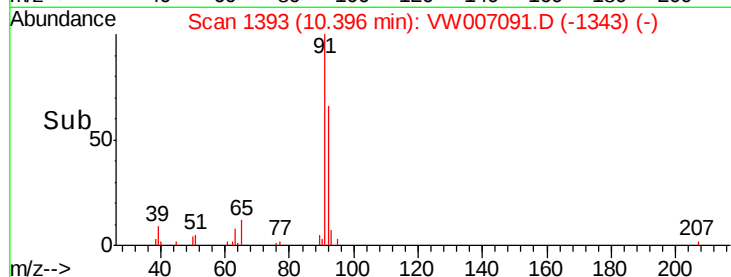
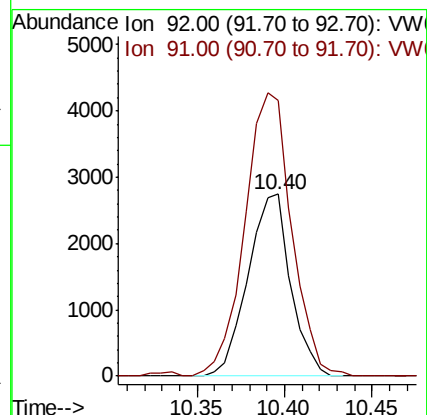
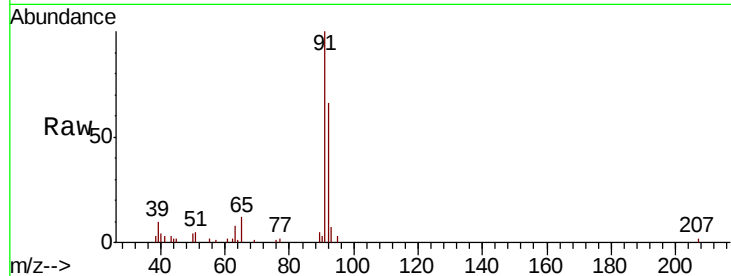
AOC1-06-A

Tot Ion: 92 Resp: 4655

Ion Ratio Lower Upper

92 100

91 171.0 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 42.463 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007091.D

Acq: 27 Nov 2018 16:45

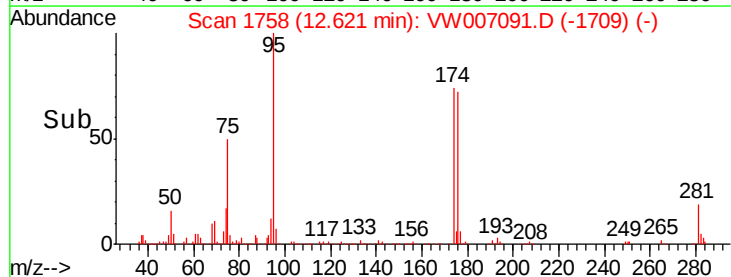
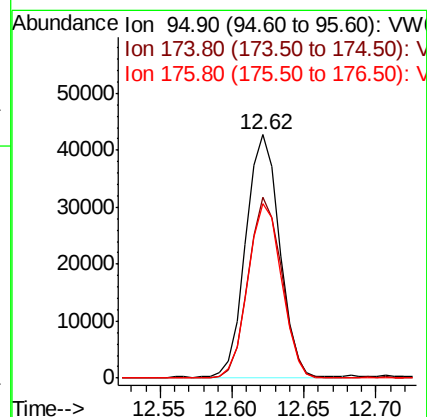
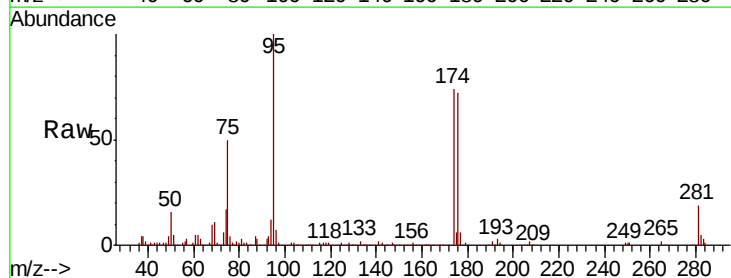
Tgt Ion: 95 Resp: 69177

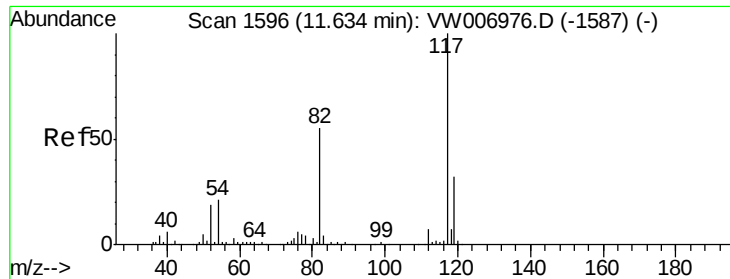
Ion Ratio Lower Upper

95 100

174 74.1 0.0 143.6

176 71.8 0.0 140.4

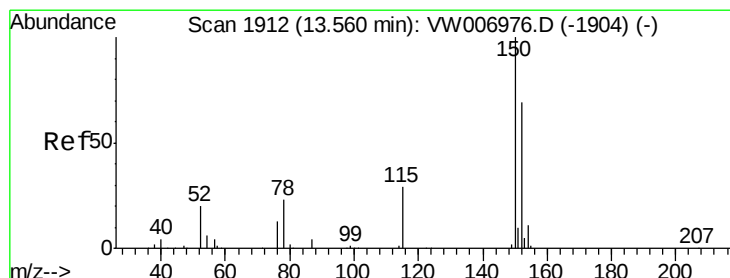
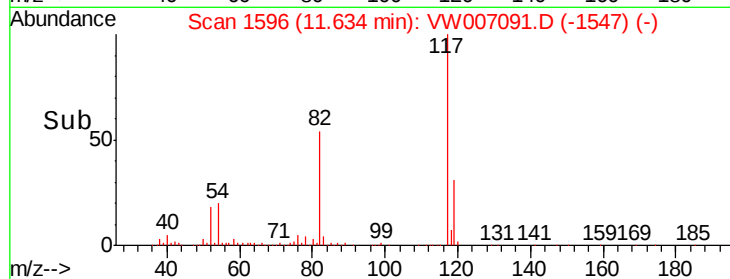
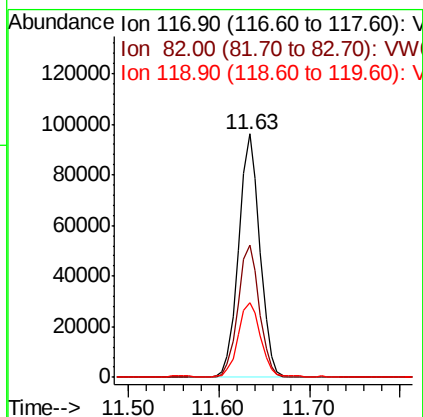
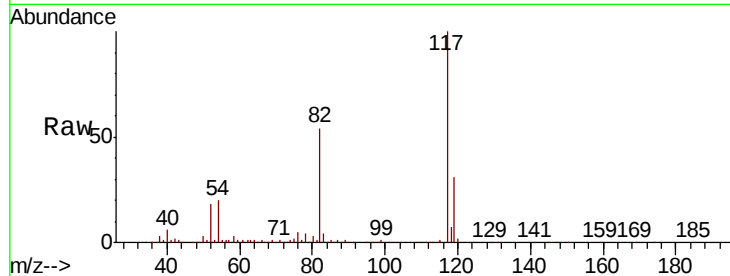




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007091.D
Acq: 27 Nov 2018 16:45

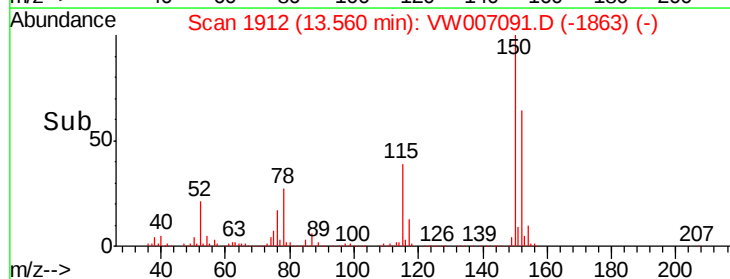
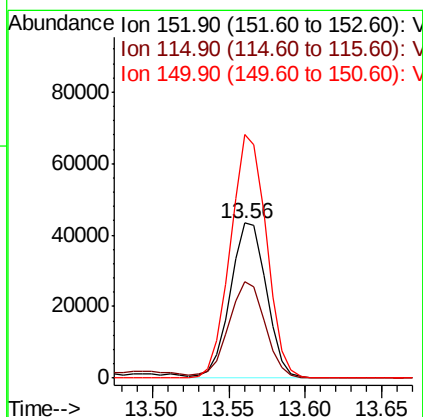
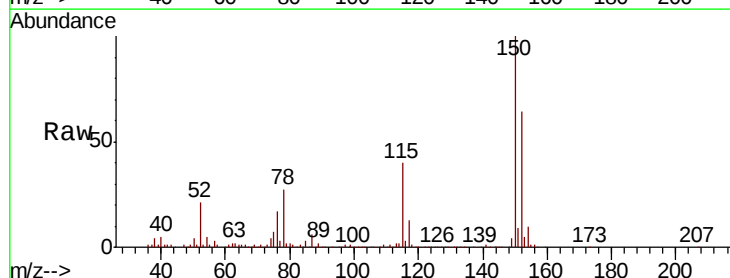
Instrument :
MSVOA_W
ClientSampleId :
AOC1-06-A

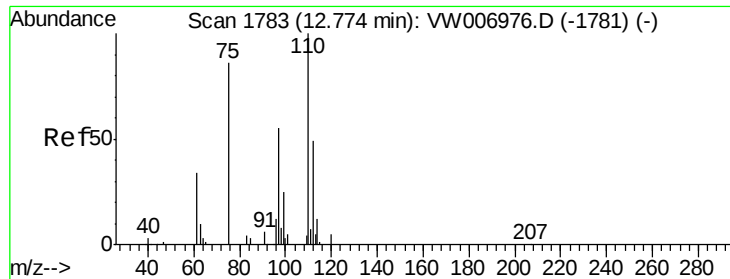
Tot Ion:117 Resp: 155539
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 30.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007091.D
Acq: 27 Nov 2018 16:45

Tgt Ion:152 Resp: 71423
Ion Ratio Lower Upper
152 100
115 61.8 31.4 94.2
150 155.5 0.0 353.4

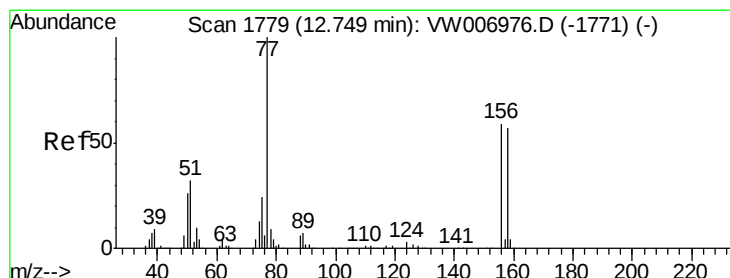
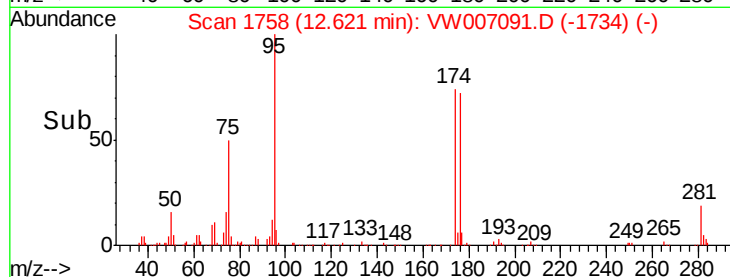
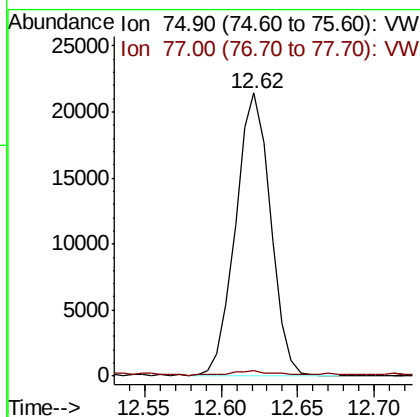
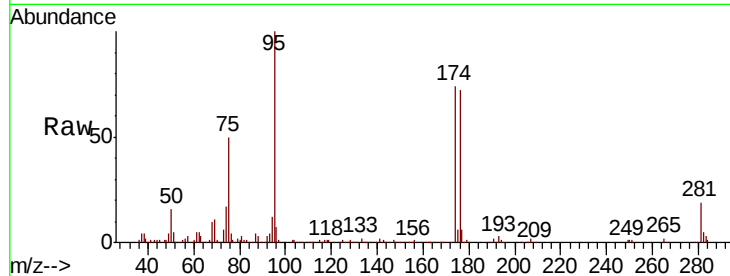




#76
 1,2,3-Trichloropropane
 Concen: 60.616 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007091.D
 Acq: 27 Nov 2018 16:45

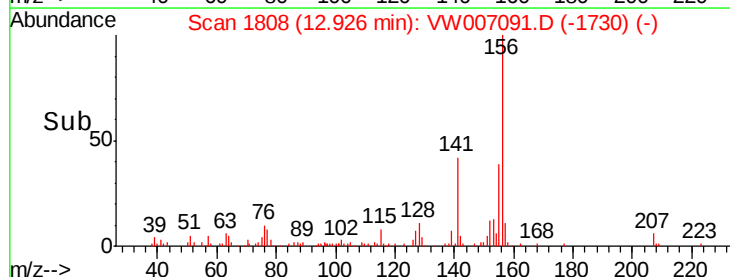
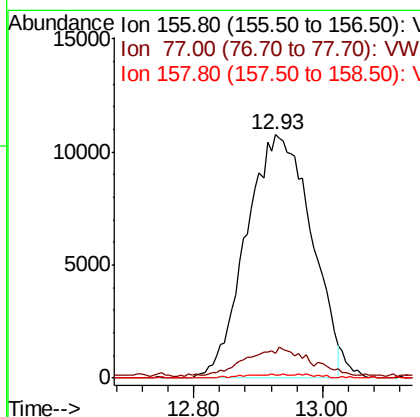
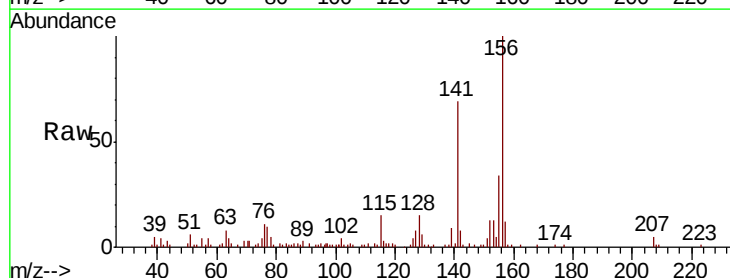
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-06-A

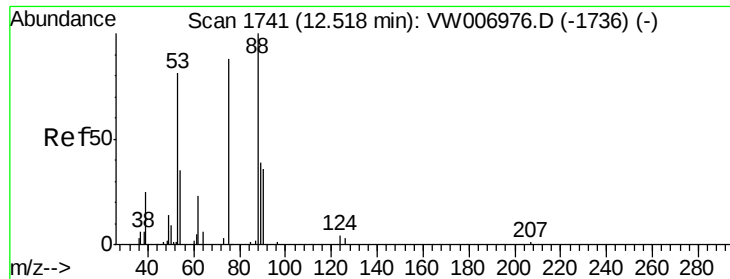
Tot Ion: 75 Resp: 34020
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#77
 Bromobenzene
 Concen: 63.180 ug/l
 RT: 12.93 min Scan# 1808
 Delta R.T. 0.18 min
 Lab File: VW007091.D
 Acq: 27 Nov 2018 16:45

Tgt Ion: 156 Resp: 75325
 Ion Ratio Lower Upper
 156 100
 77 9.4 94.6 283.8#
 158 0.2 48.9 146.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 152.183 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007091.D

Acq: 27 Nov 2018 16:45

Instrument :

MSVOA_W

ClientSampleId :

AOC1-06-A

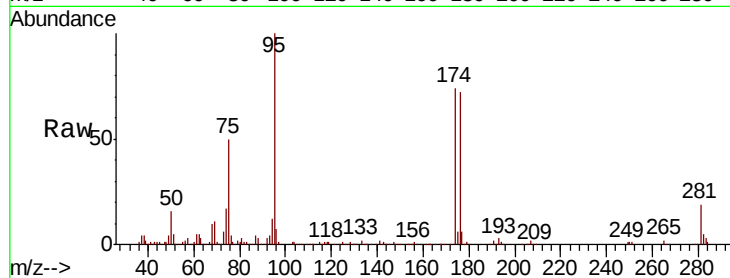
Tot Ion: 75 Resp: 34020

Ion Ratio Lower Upper

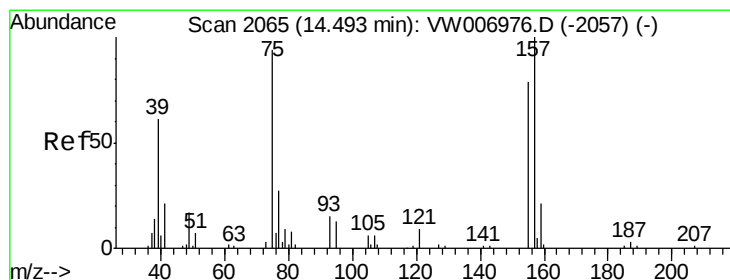
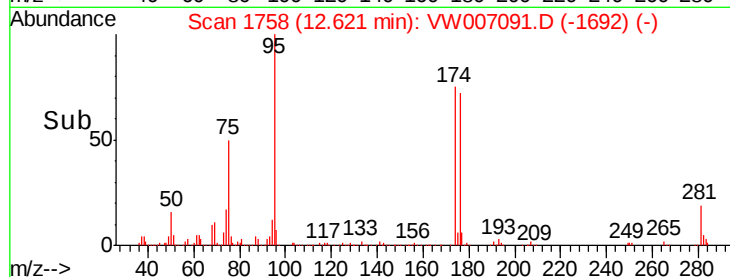
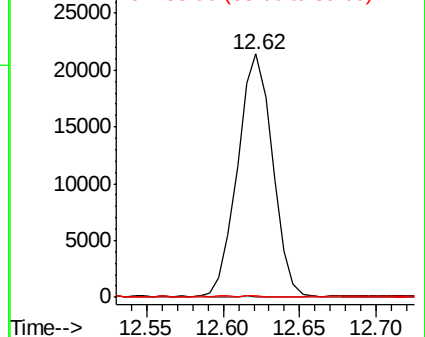
75 100

53 0.1 77.6 116.4#

89 0.8 39.3 58.9#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.743 ug/l

RT: 14.58 min Scan# 2080

Delta R.T. 0.09 min

Lab File: VW007091.D

Acq: 27 Nov 2018 16:45

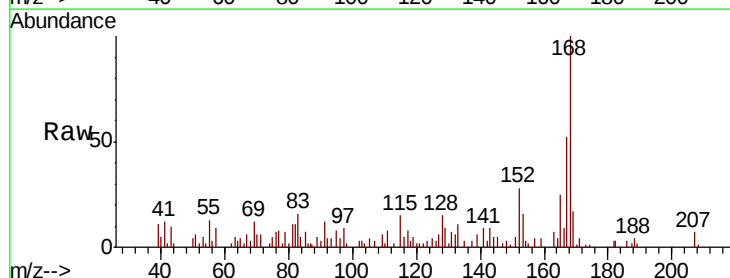
Tgt Ion: 75 Resp: 467

Ion Ratio Lower Upper

75 100

155 0.0 42.6 127.8#

157 130.6 55.0 165.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

