

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW004018.D
 Acq On : 18 Jul 2018 07:46
 Operator : VA/AP
 Sample : J3819-07RE
 Misc : 6.71G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AU-05-071318-DRE

Quant Time: Jul 18 08:08:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	61733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	98436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	70072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	21874	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	45030	65.26	ug/l	0.00
Spiked Amount			Recovery	=	130.52%	
35) Dibromofluoromethane	7.89	113	38077	60.29	ug/l	0.00
Spiked Amount			Recovery	=	120.58%	
50) Toluene-d8	10.33	98	97016	39.59	ug/l	0.00
Spiked Amount			Recovery	=	79.18%	
62) 4-Bromofluorobenzene	12.63	95	26654	30.16	ug/l	0.00
Spiked Amount			Recovery	=	60.32%	

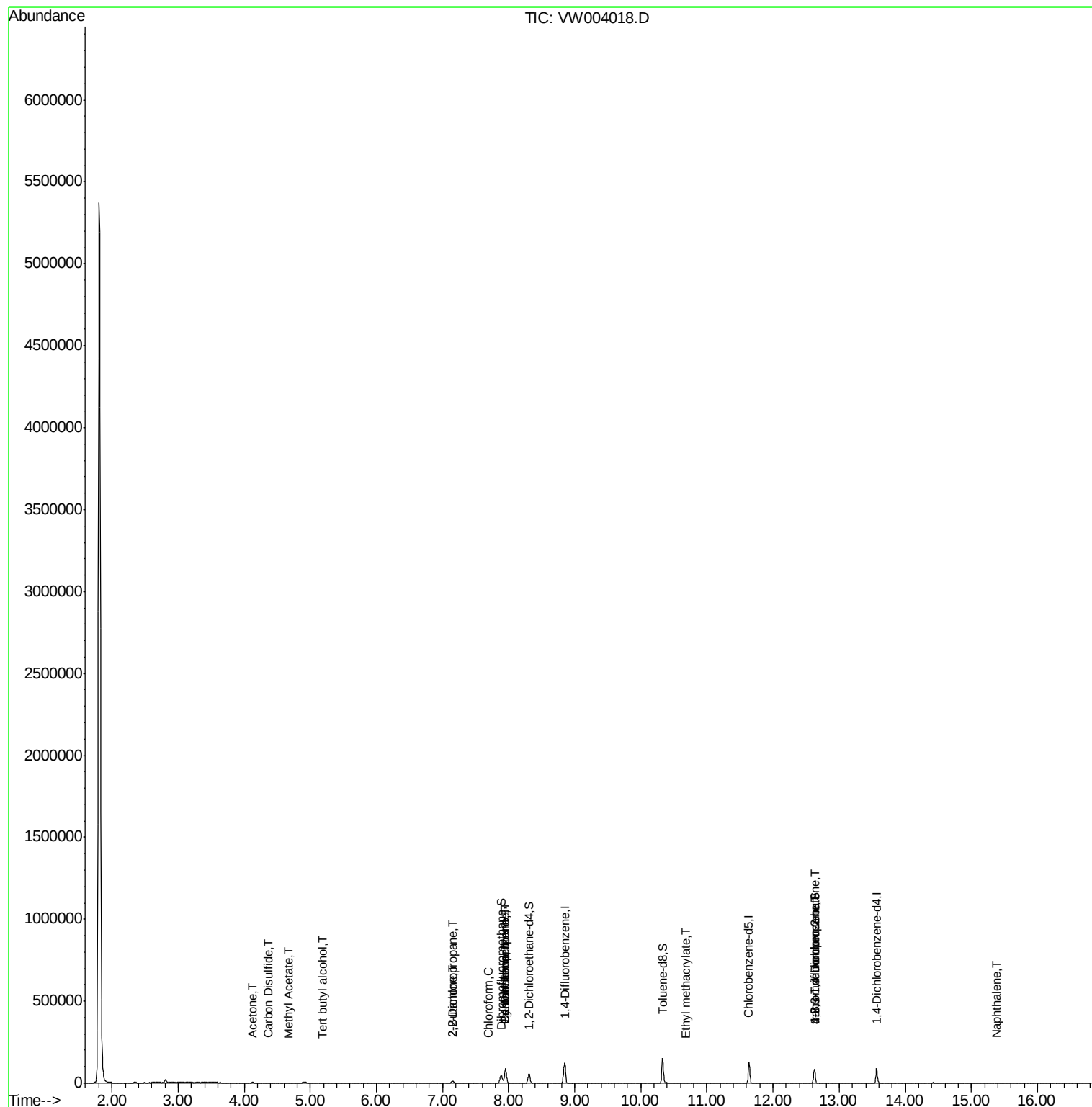
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	172	3.611	ug/l #	72
16) Acetone	4.13	43	6332	38.186	ug/l #	84
17) Carbon Disulfide	4.36	76	2510	1.340	ug/l #	81
18) Methyl Acetate	4.68	43	1085	2.726	ug/l #	63
20) Methylene Chloride	4.92	84	5209	Below Cal		94
25) 2-Butanone	7.14	43	370	1.658	ug/l	97
26) 2,2-Dichloropropane	7.15	77	813	1.160	ug/l #	52
30) Chloroform	7.68	83	1249	1.028	ug/l #	76
31) Cyclohexane	7.95	56	2106	1.840	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	5490	5.421	ug/l #	49
38) Carbon Tetrachloride	7.95	117	6297	6.654	ug/l #	17
56) Ethyl methacrylate	10.68	69	68	3.031	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	14285	65.781	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	14285	145.507	ug/l #	11
95) Naphthalene	15.38	128	860	1.008	ug/l #	76

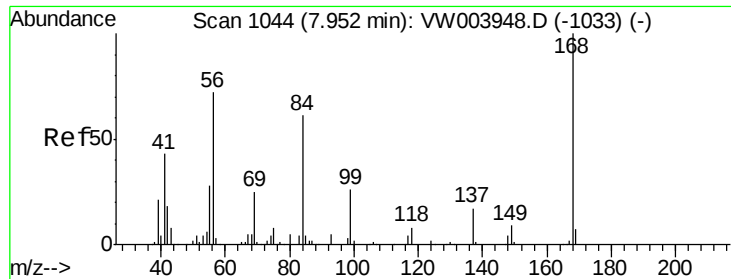
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004018.D

Acq: 18 Jul 2018 07:46

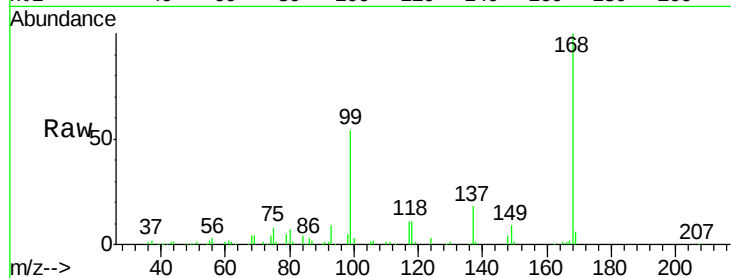
Instrument :
MSVOA_W
ClientSampleId :
AU-05-071318-DRE

Tot Ion:168 Resp: 61733

Ion Ratio Lower Upper

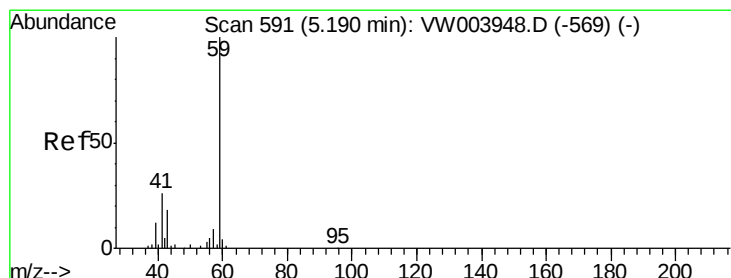
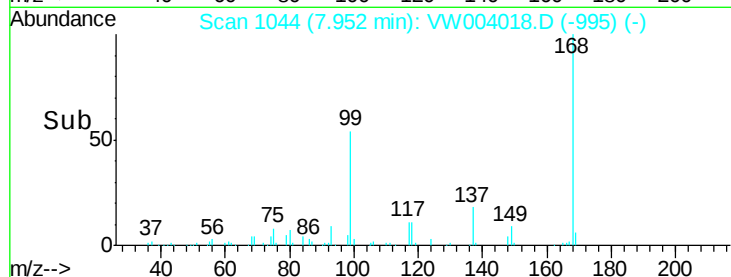
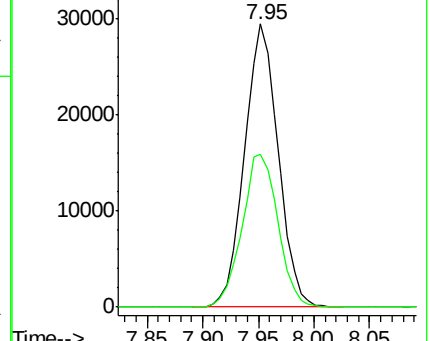
168 100

99 53.9 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.611 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.00 min

Lab File: VW004018.D

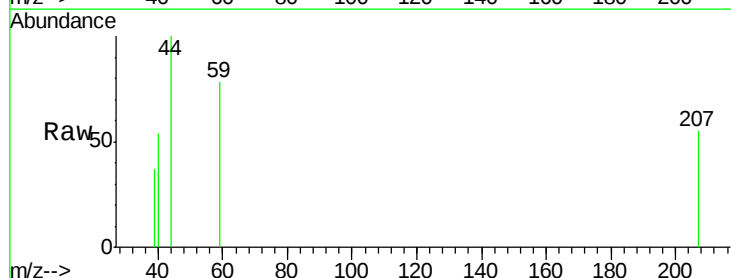
Acq: 18 Jul 2018 07:46

Tgt Ion: 59 Resp: 172

Ion Ratio Lower Upper

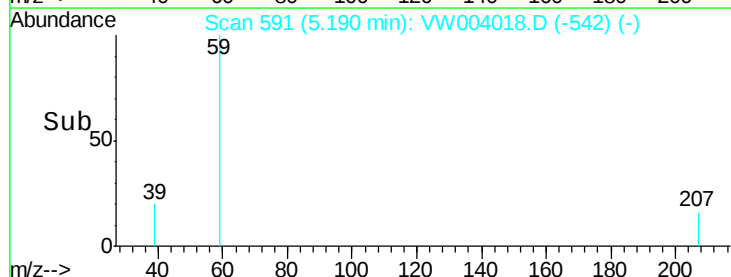
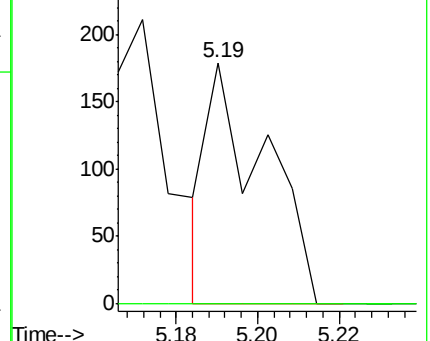
59 100

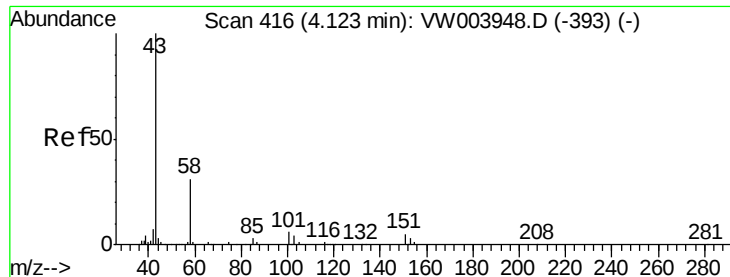
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 38.186 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW004018.D

Acq: 18 Jul 2018 07:46

Instrument :

MSVOA_W

ClientSampleId :

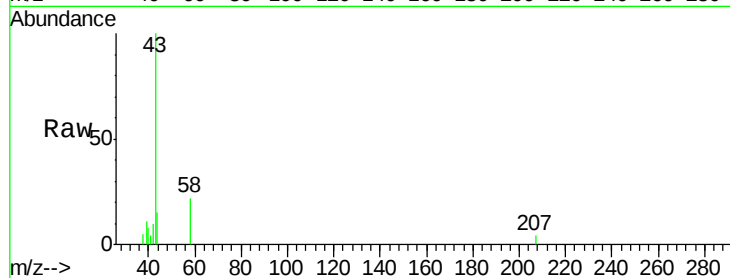
AU-05-071318-DRE

Tot Ion: 43 Resp: 6332

Ion Ratio Lower Upper

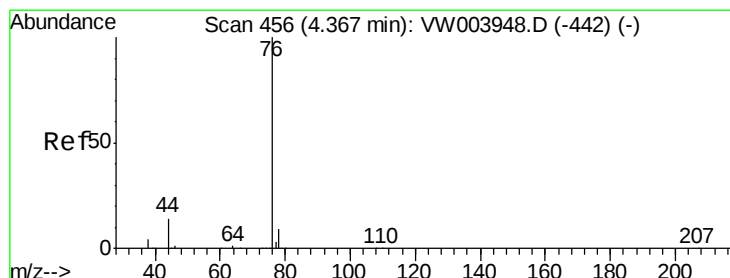
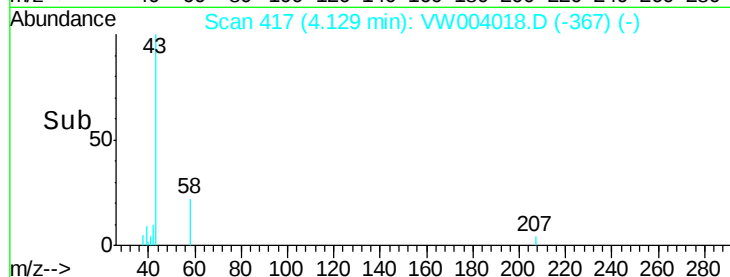
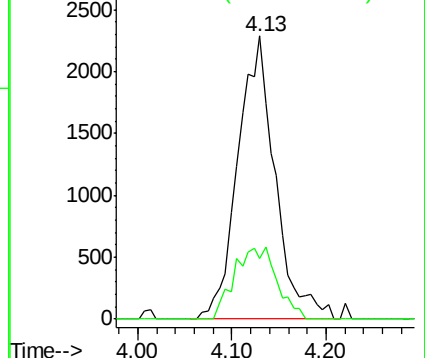
43 100

58 21.6 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.340 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW004018.D

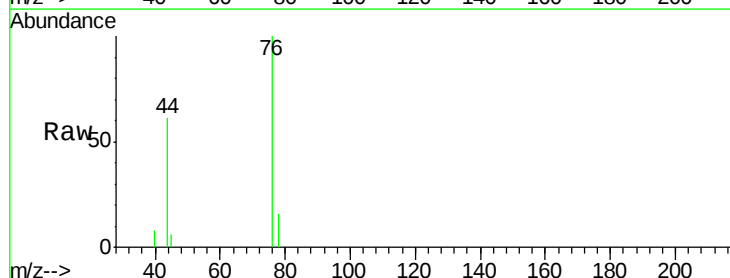
Acq: 18 Jul 2018 07:46

Tgt Ion: 76 Resp: 2510

Ion Ratio Lower Upper

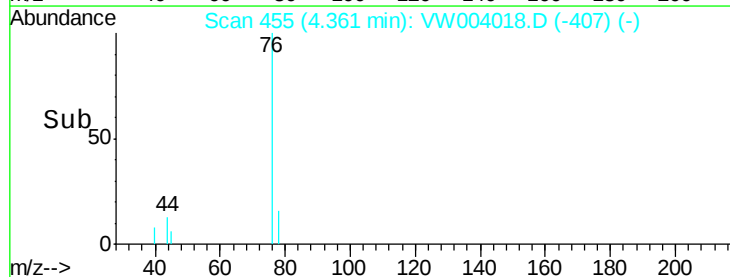
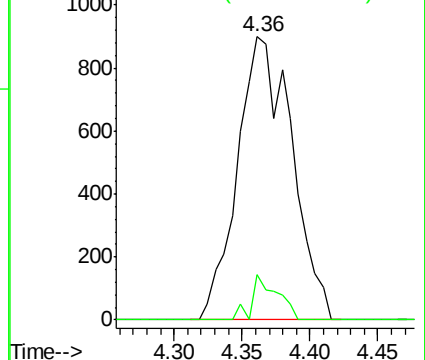
76 100

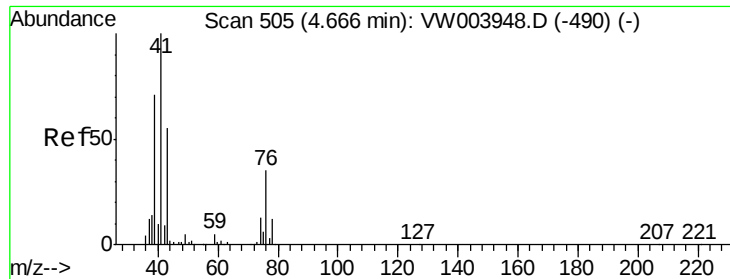
78 15.8 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

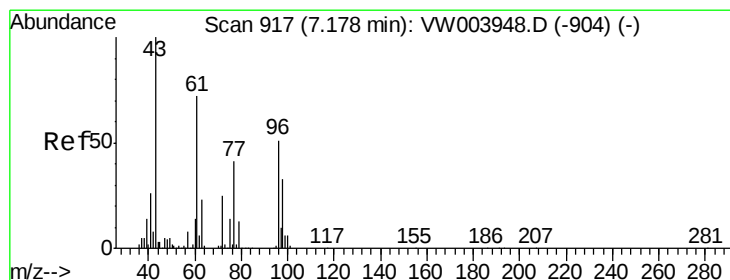
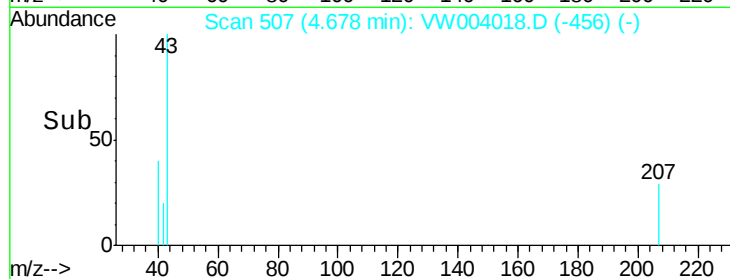
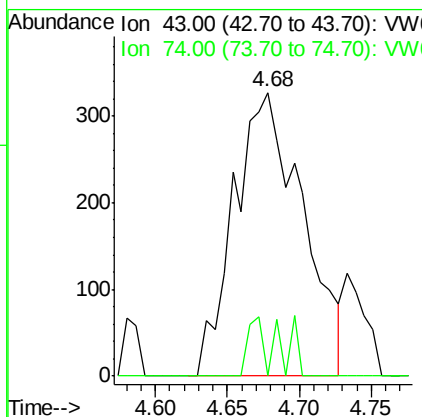
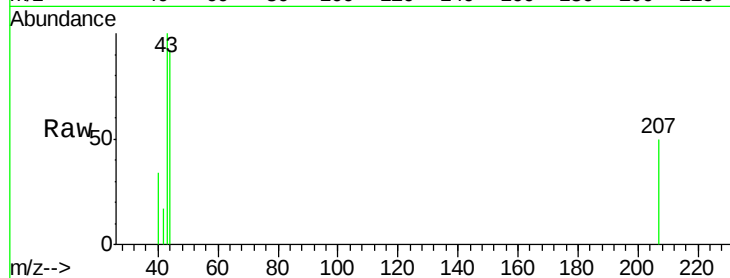




#18
Methvl Acetate
Concen: 2.726 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004018.D
Acq: 18 Jul 2018 07:46

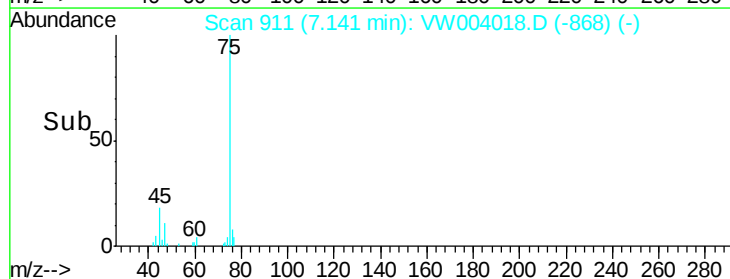
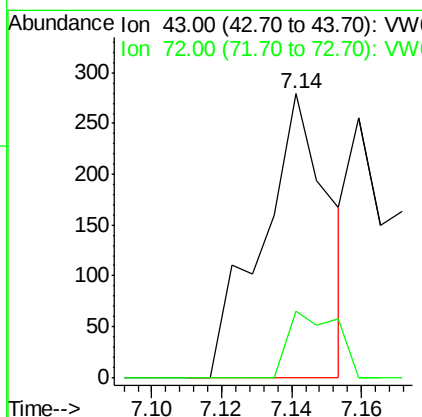
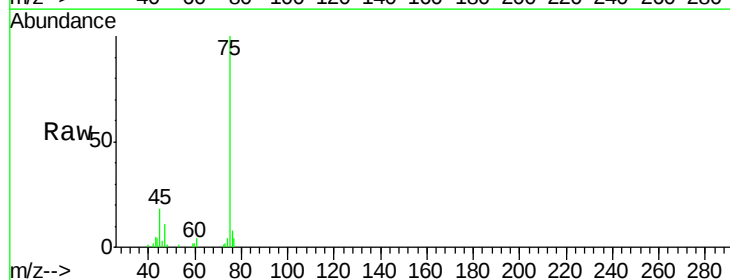
Instrument :
MSVOA_W
ClientSampleId :
AU-05-071318-DRE

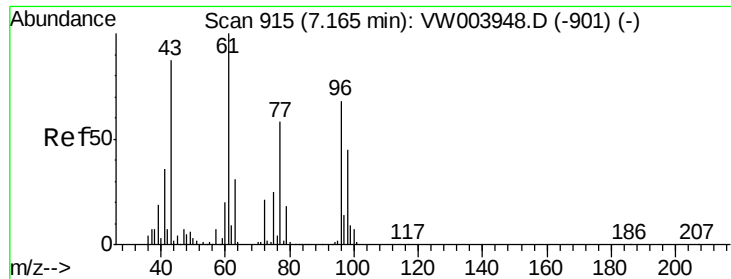
Tot Ion: 43 Resp: 1085
Ion Ratio Lower Upper
43 100
74 4.2 17.7 26.5#



#25
2-Butanone
Concen: 1.658 ug/l
RT: 7.14 min Scan# 911
Delta R.T. -0.04 min
Lab File: VW004018.D
Acq: 18 Jul 2018 07:46

Tgt Ion: 43 Resp: 370
Ion Ratio Lower Upper
43 100
72 23.3 19.8 29.6

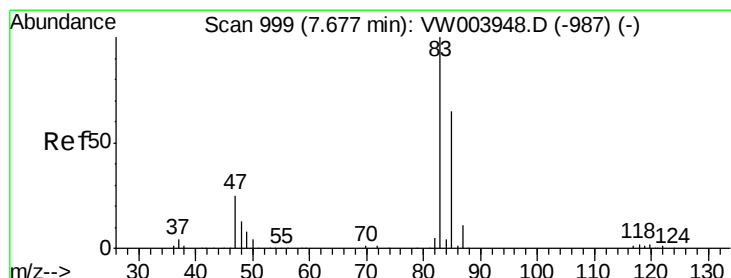
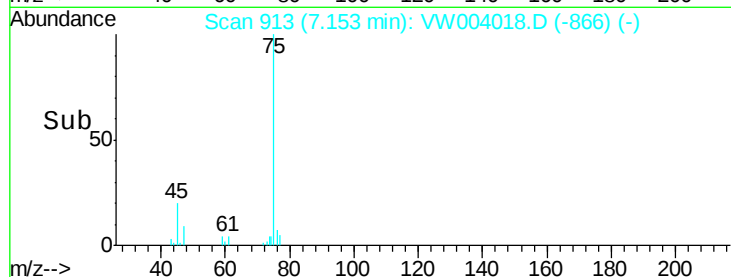
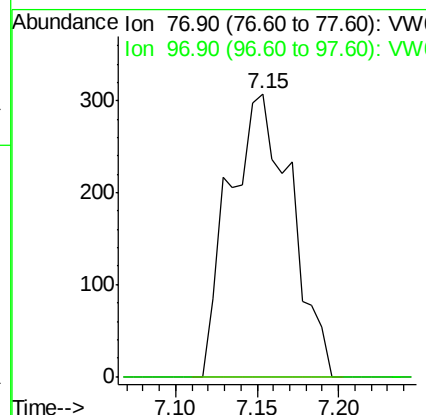
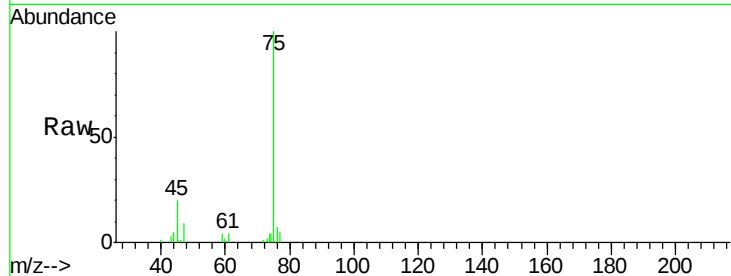




#26
 2,2-Dichloropropane
 Concen: 1.160 ug/l
 RT: 7.15 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VW004018.D
 Acq: 18 Jul 2018 07:46

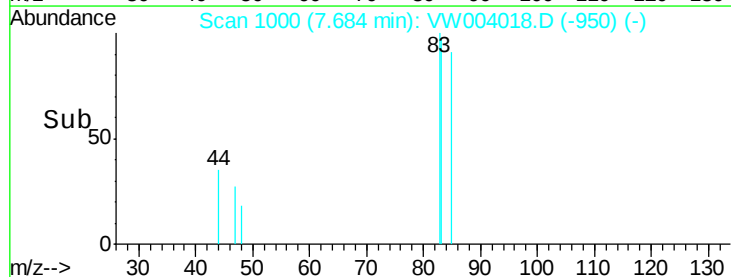
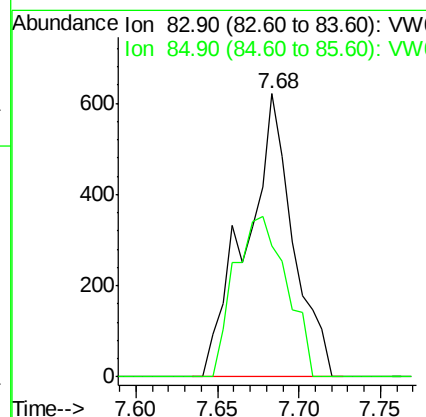
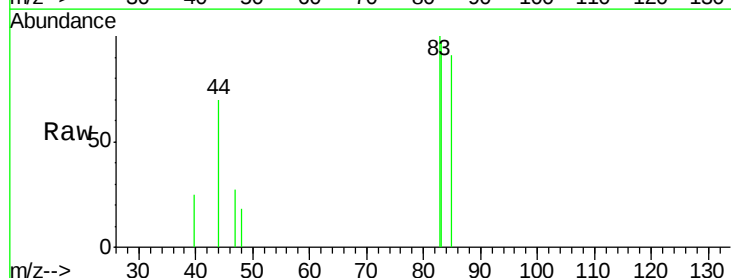
Instrument :
 MSVOA_W
 ClientSampleId :
 AU-05-071318-DRE

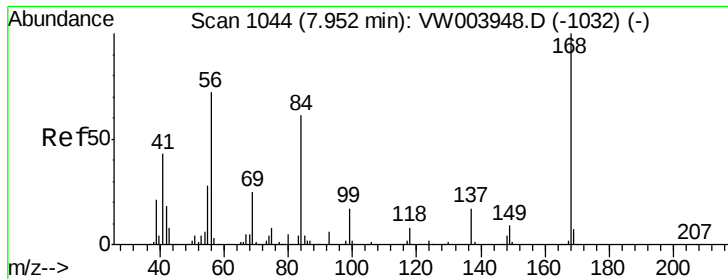
Tot Ion: 77 Resp: 813
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.3#



#30
 Chloroform
 Concen: 1.028 ug/l
 RT: 7.68 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VW004018.D
 Acq: 18 Jul 2018 07:46

Tgt Ion: 83 Resp: 1249
 Ion Ratio Lower Upper
 83 100
 85 46.4 52.2 78.4#

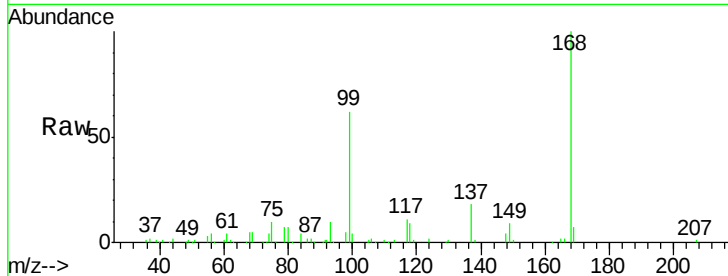




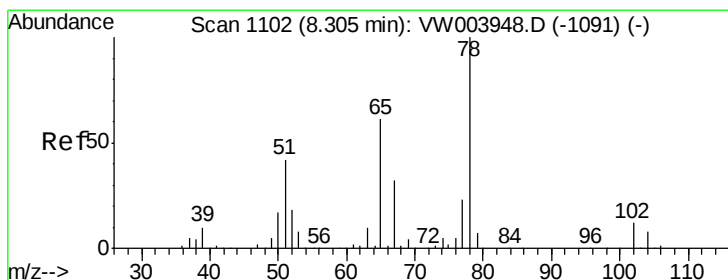
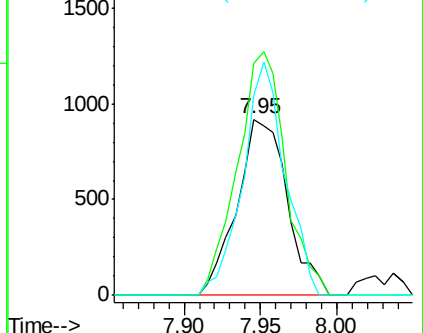
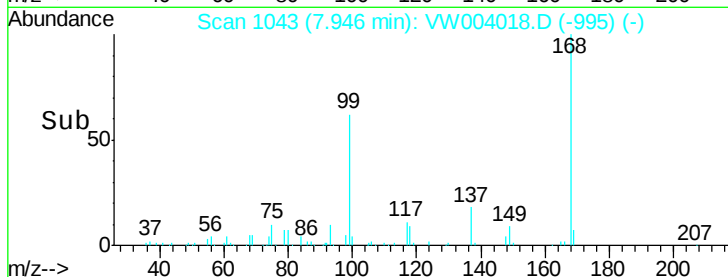
#31
Cyclohexane
Concen: 1.840 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004018.D
Acq: 18 Jul 2018 07:46

Instrument :
MSVOA_W
ClientSampleId :
AU-05-071318-DRE

Tot Ion: 56 Resp: 2106
Ion Ratio Lower Upper
56 100
69 132.1 27.8 41.8#
84 113.8 67.2 100.8#

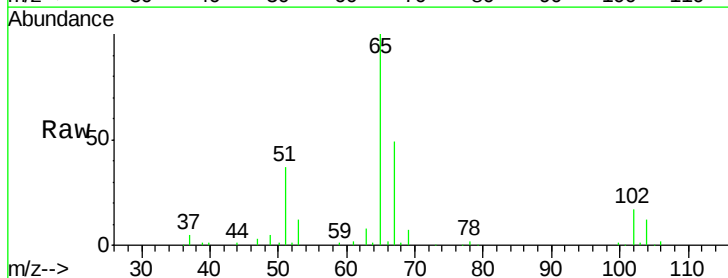


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

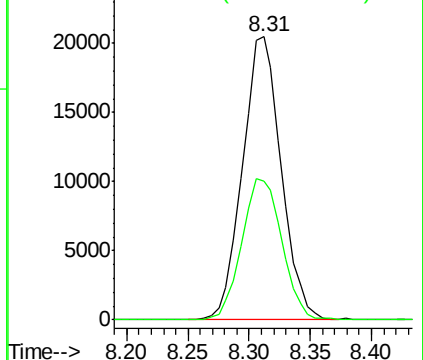
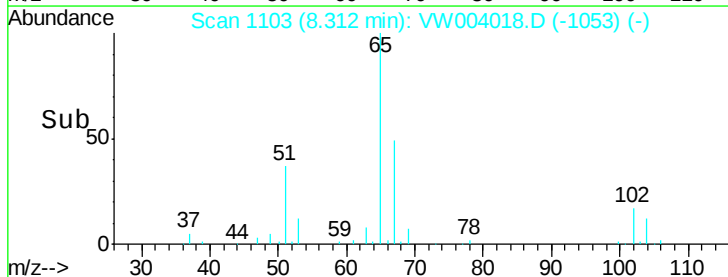


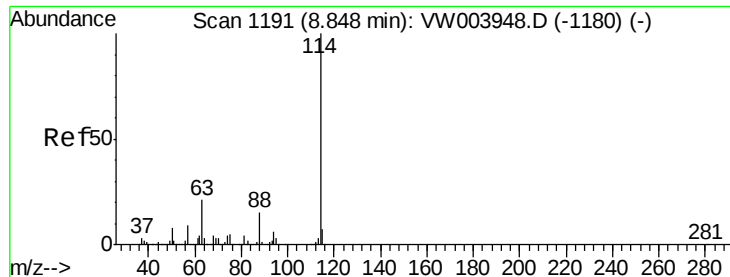
#33
1,2-Dichloroethane-d4
Concen: 65.256 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW004018.D
Acq: 18 Jul 2018 07:46

Tgt Ion: 65 Resp: 45030
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.0



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: VW004018.D

Acq: 18 Jul 2018 07:46

Instrument :

MSVOA_W

ClientSampleId :

AU-05-071318-DRE

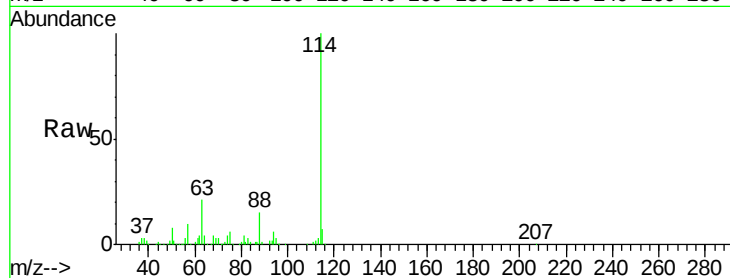
Tot Ion:114 Resp: 98436

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.8

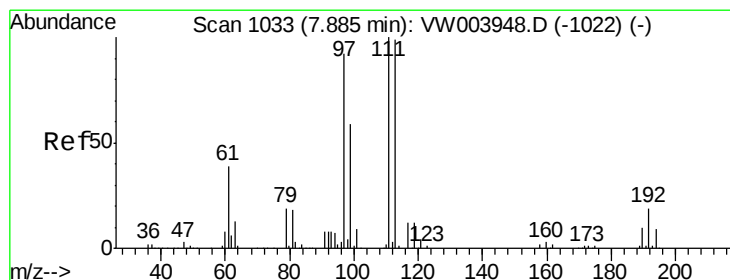
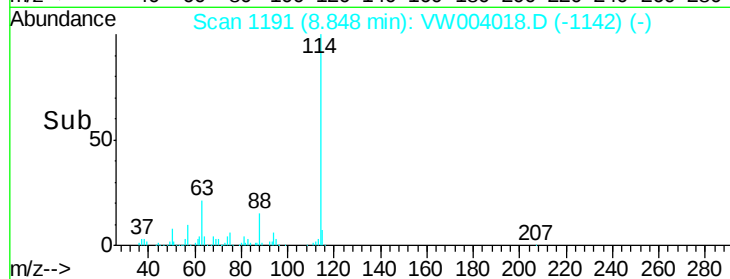
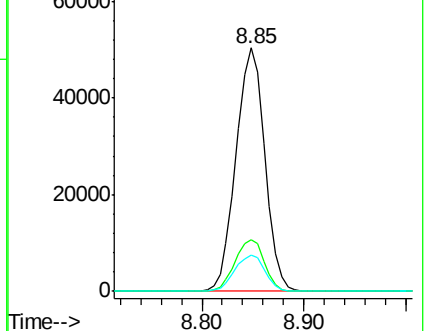
88 14.9 0.0 30.4



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: 60.288 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004018.D

Acq: 18 Jul 2018 07:46

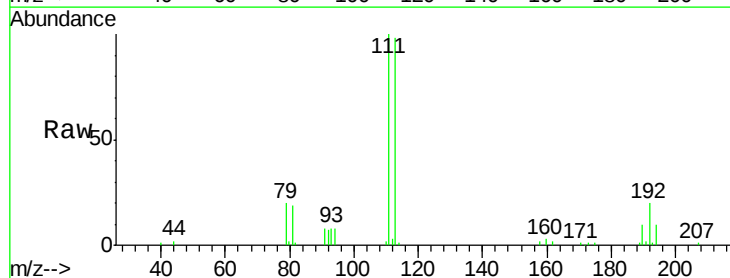
Tgt Ion:113 Resp: 38077

Ion Ratio Lower Upper

113 100

111 101.4 81.3 121.9

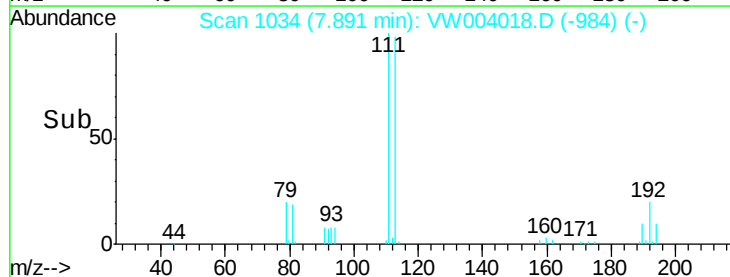
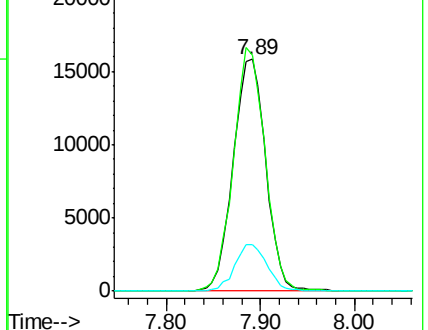
192 20.0 15.8 23.6

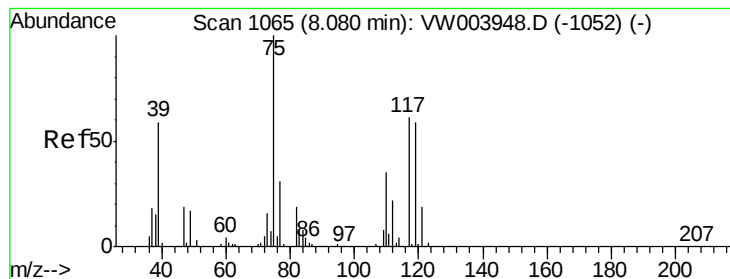


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.421 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW004018.D

Acq: 18 Jul 2018 07:46

Instrument :

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AU-05-071318-DRE

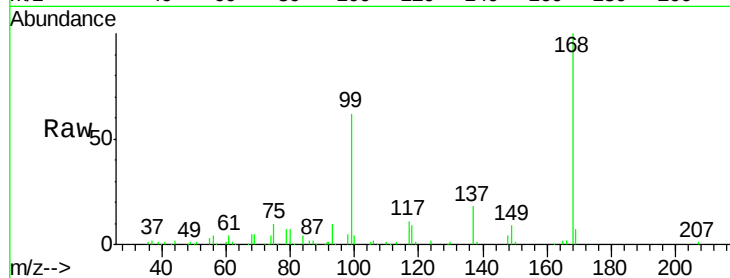
Tot Ion: 75 Resp: 5490

Ion Ratio Lower Upper

75 100

110 7.5 17.0 51.0#

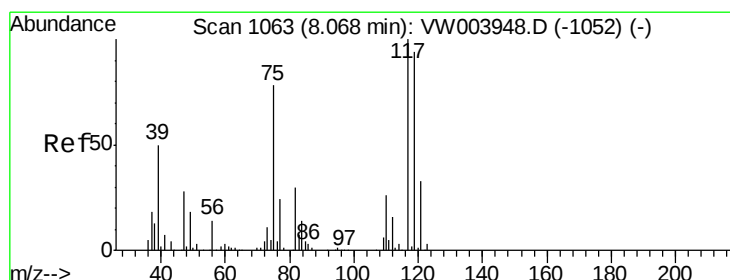
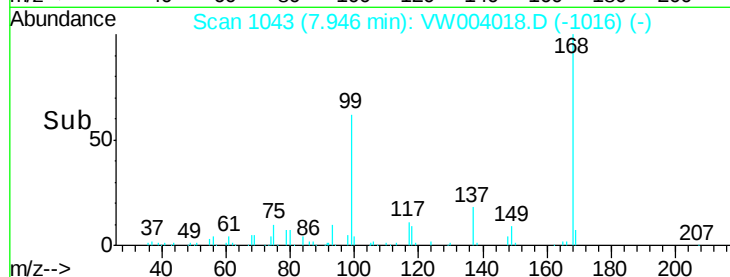
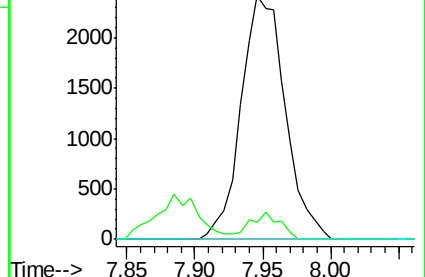
77 0.0 24.9 37.3#



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: 6.654 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004018.D

Acq: 18 Jul 2018 07:46

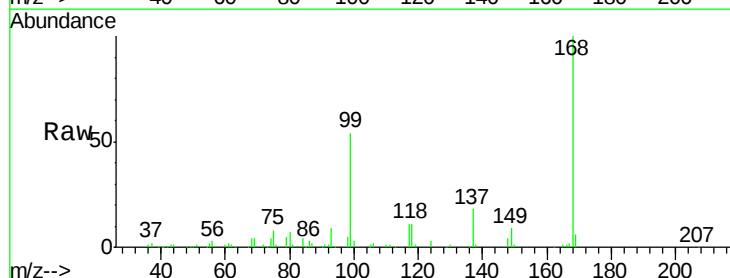
Tgt Ion: 117 Resp: 6297

Ion Ratio Lower Upper

117 100

119 5.6 75.3 112.9#

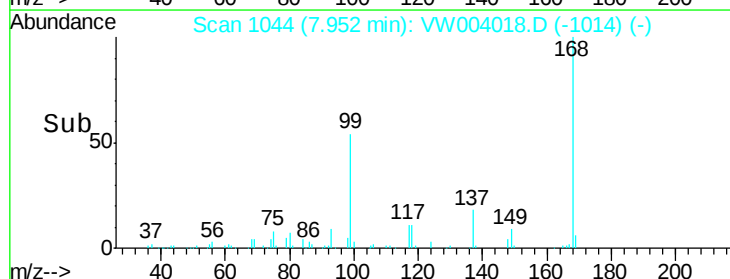
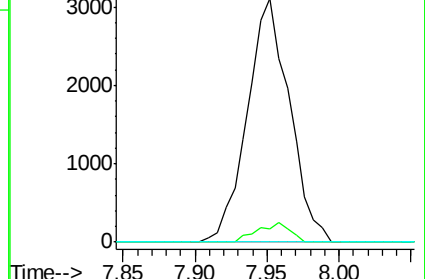
121 0.0 26.0 39.0#

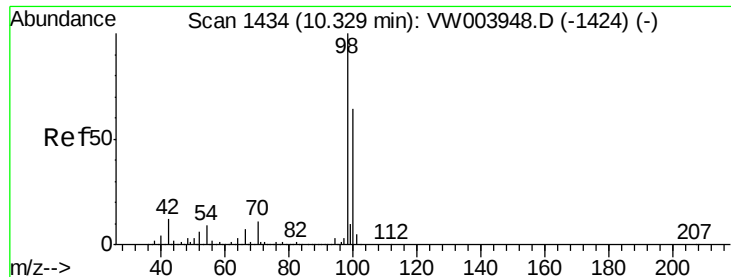


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 39.587 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004018.D

Acq: 18 Jul 2018 07:46

Instrument :

MSVOA_W

ClientSampleId :

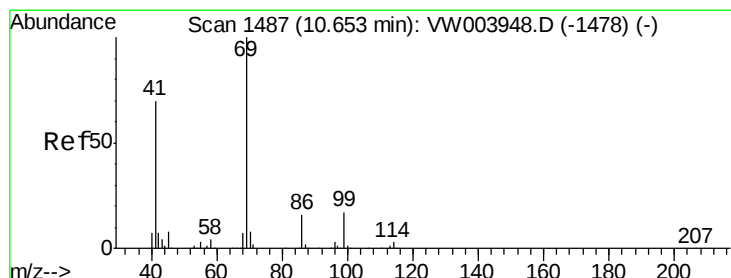
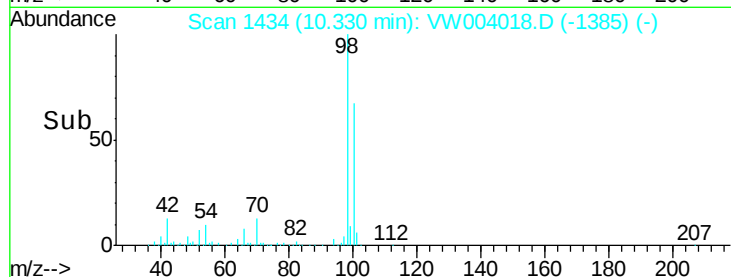
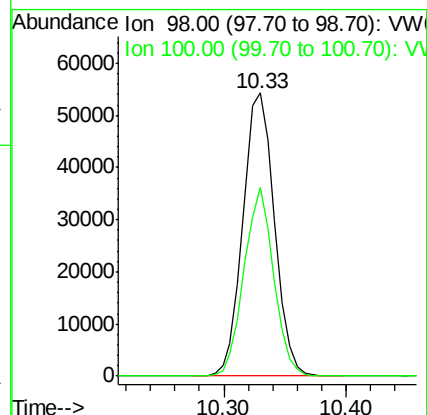
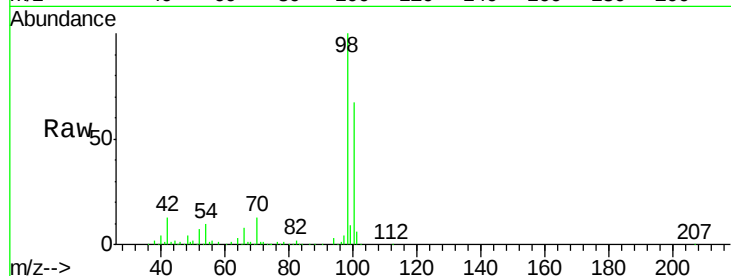
AU-05-071318-DRE

Tot Ion: 98 Resp: 97016

Ion Ratio Lower Upper

98 100

100 62.7 51.2 76.8



#56

Ethyl methacrylate

Concen: 3.031 ug/l

RT: 10.68 min Scan# 1492

Delta R.T. 0.03 min

Lab File: VW004018.D

Acq: 18 Jul 2018 07:46

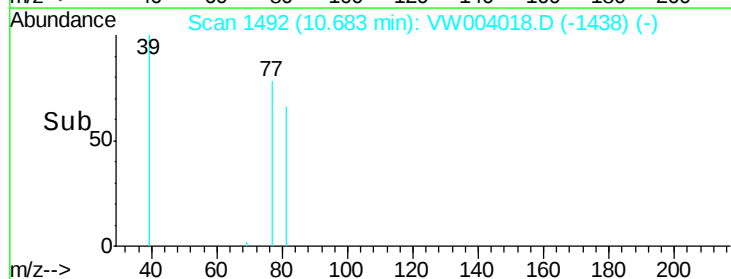
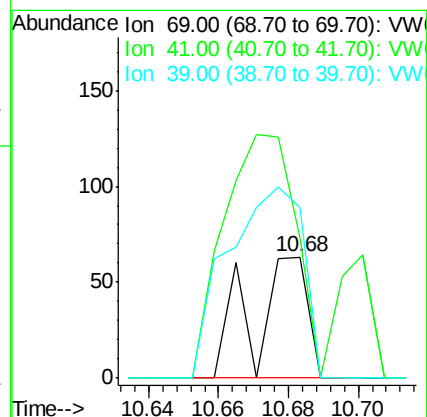
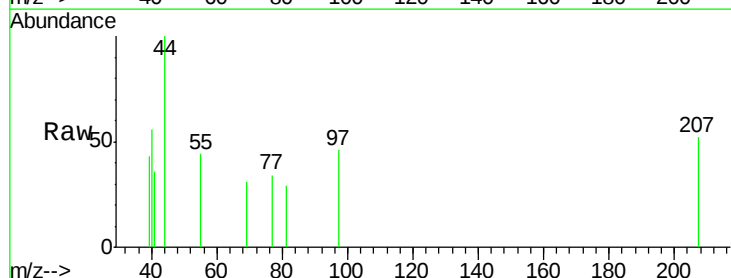
Tgt Ion: 69 Resp: 68

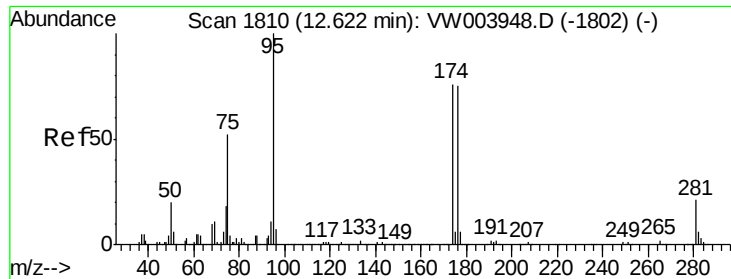
Ion Ratio Lower Upper

69 100

41 266.2 56.5 84.7#

39 219.1 30.2 45.4#

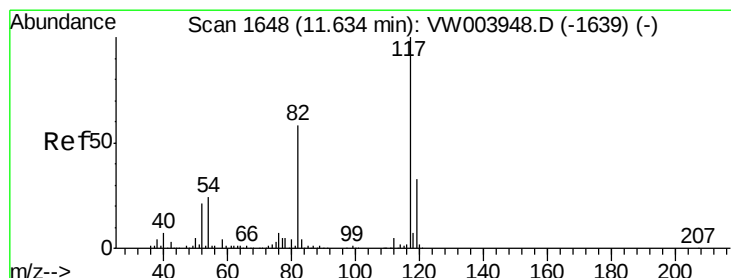
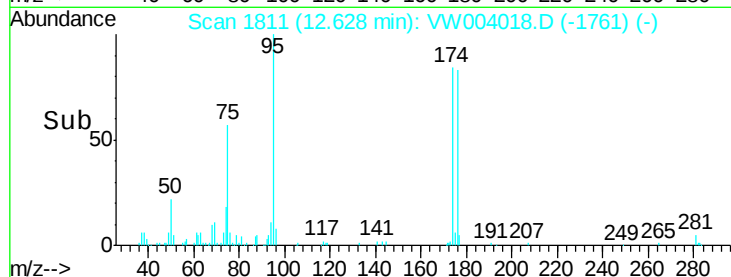
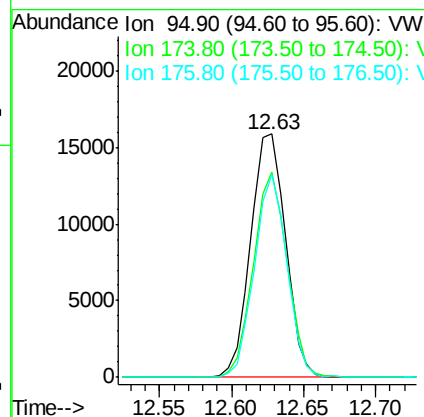
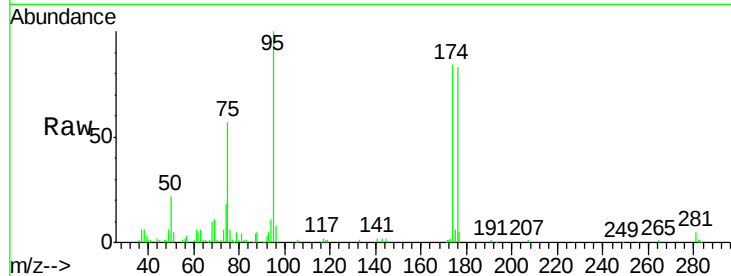




#62
4-Bromofluorobenzene
Concen: 30.161 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW004018.D
Acq: 18 Jul 2018 07:46

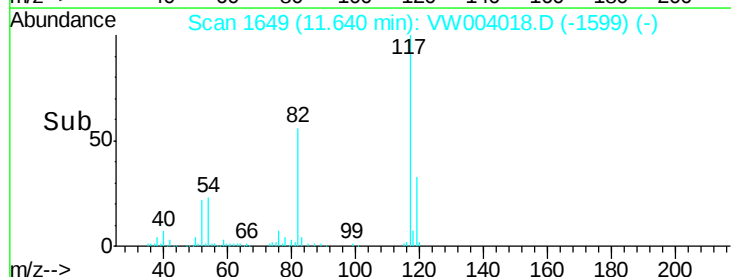
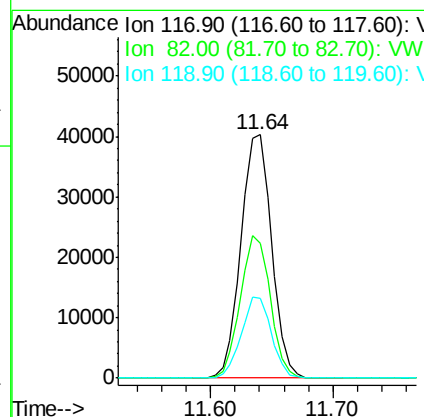
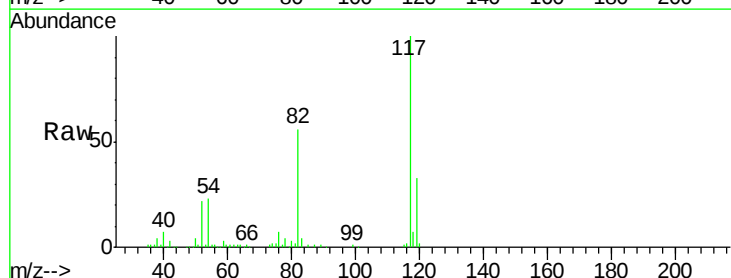
Instrument :
MSVOA_W
ClientSampleId :
AU-05-071318-DRE

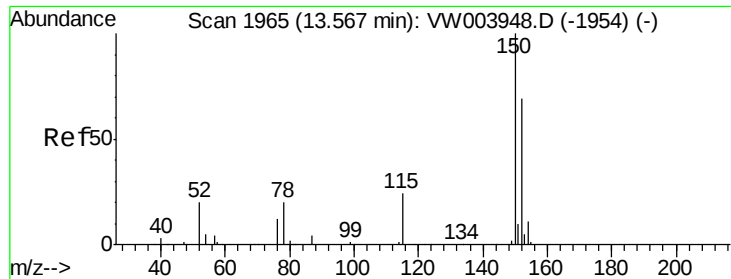
Tot Ion: 95 Resp: 26654
Ion Ratio Lower Upper
95 100
174 81.3 0.0 160.2
176 77.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004018.D
Acq: 18 Jul 2018 07:46

Tgt Ion: 117 Resp: 70072
Ion Ratio Lower Upper
117 100
82 55.6 46.5 69.7
119 32.6 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004018.D

Acq: 18 Jul 2018 07:46

Instrument :

MSVOA_W

ClientSampleId :

AU-05-071318-DRE

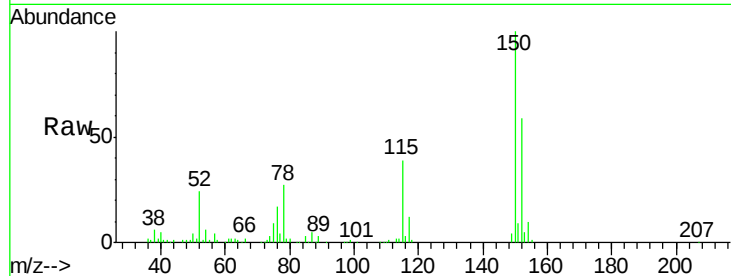
Tot Ion:152 Resp: 21874

Ion Ratio Lower Upper

152 100

115 61.3 29.2 87.6

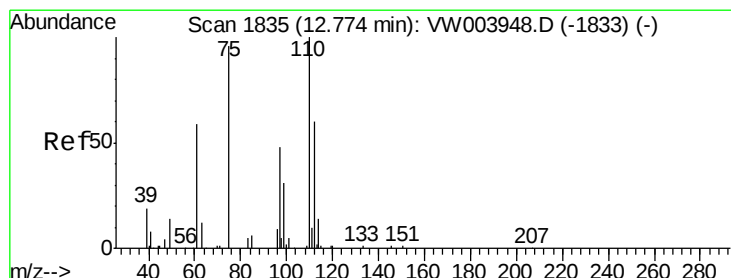
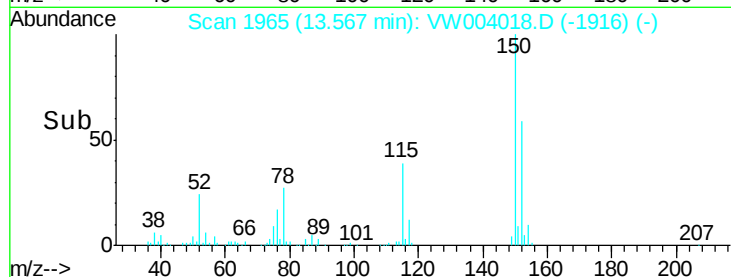
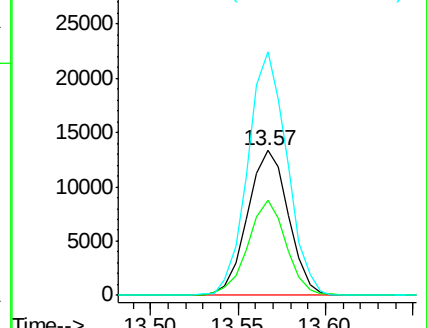
150 161.6 0.0 345.2



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



#76

1,2,3-Trichloropropane

Concen: 65.781 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW004018.D

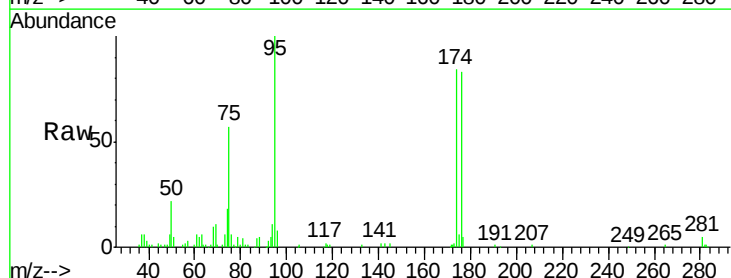
Acq: 18 Jul 2018 07:46

Tgt Ion: 75 Resp: 14285

Ion Ratio Lower Upper

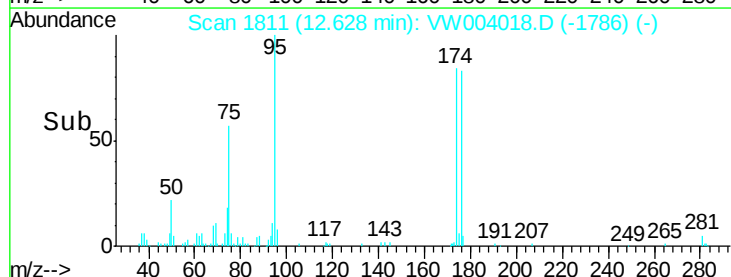
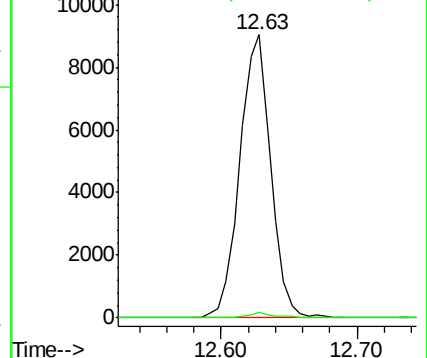
75 100

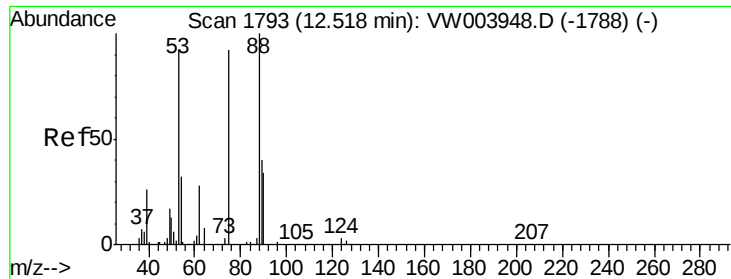
77 1.6 0.0 0.0#



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: 145.507 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW004018.D

Acq: 18 Jul 2018 07:46

Instrument :

MSVOA_W

ClientSampleId :

AU-05-071318-DRE

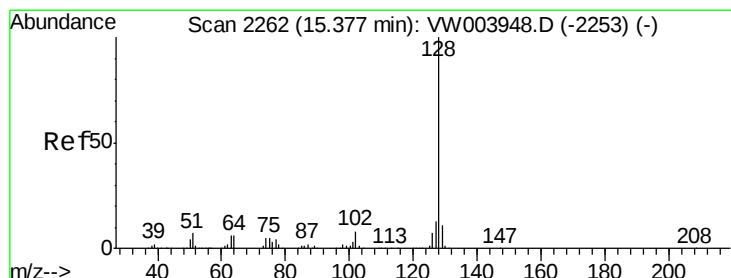
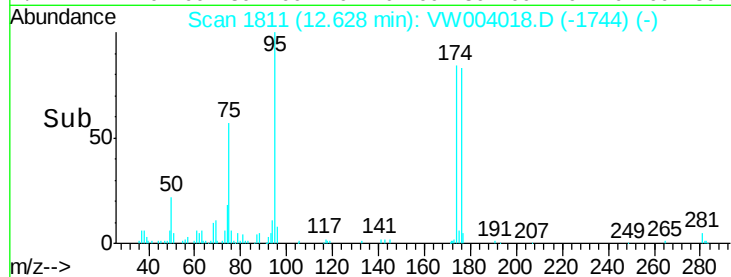
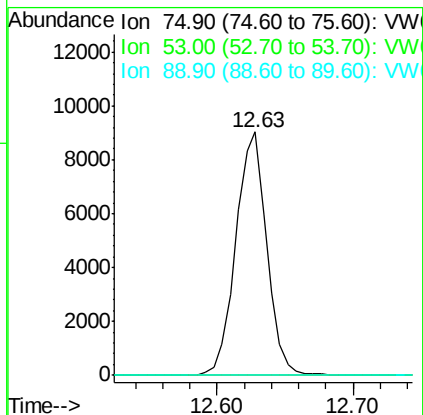
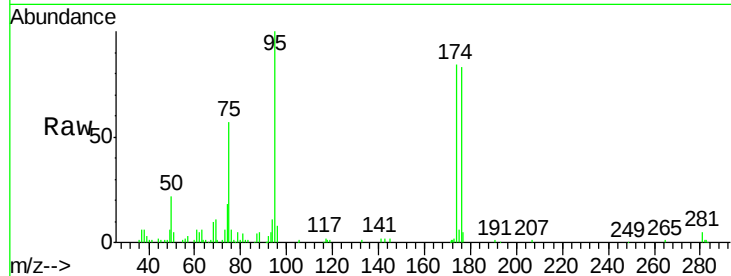
Tot Ion: 75 Resp: 14285

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 36.6 54.8#



#95

Naphthalene

Concen: 1.008 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW004018.D

Acq: 18 Jul 2018 07:46

Tgt Ion: 128 Resp: 860

Ion Ratio Lower Upper

128 100

127 2.3 10.7 16.1#

129 3.1 8.7 13.1#

