

Data File : VW004754.D
Acq On : 18 Aug 2018 00:56
Operator : SY/AP
Sample : J4460-11RE
Misc : 5.04G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-011

Quant Time: Aug 18 02:41:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	540231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	913740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	786989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	303215	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	301363	57.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.40%	
35) Dibromofluoromethane	7.88	113	291059	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.33	98	983782	43.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.30%	
62) 4-Bromofluorobenzene	12.62	95	279732	34.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.22%	

Target Compounds

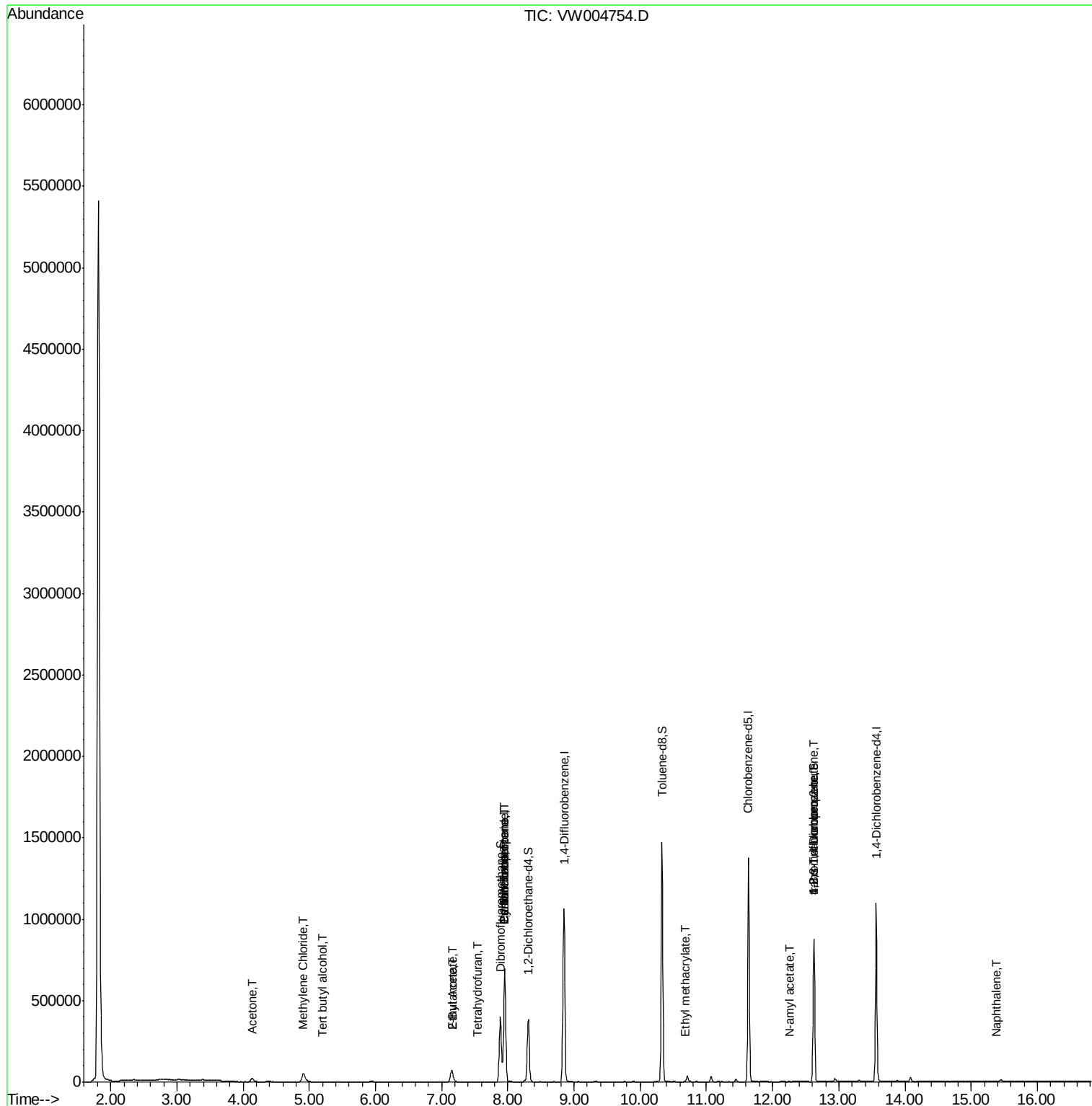
						Qvalue
11) Tert butyl alcohol	5.19	59	376	1.289	ug/l #	72
16) Acetone	4.14	43	41035	30.777	ug/l	99
20) Methylene Chloride	4.92	84	47211	3.764	ug/l	96
25) 2-Butanone	7.18	43	7806	4.109	ug/l	98
29) Tetrahydrofuran	7.55	42	974	1.005	ug/l #	72
31) Cyclohexane	7.95	56	10370	1.016	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	40782	4.332	ug/l #	48
37) Ethyl Acetate	7.18	43	7806	2.080	ug/l #	67
38) Carbon Tetrachloride	7.95	117	50675	5.848	ug/l #	17
56) Ethyl methacrylate	10.68	69	195	3.010	ug/l #	1
74) N-amyl acetate	12.26	43	425	4.100	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	134187	50.203	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	134187	116.685	ug/l #	14
95) Naphthalene	15.37	128	1820	3.643	ug/l #	79

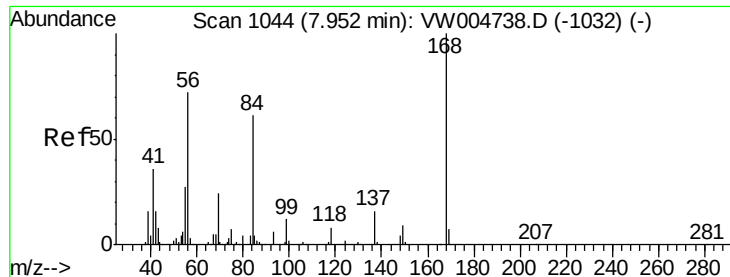
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW004754.D
Acq On : 18 Aug 2018 00:56
Operator : SY/AP
Sample : J4460-11RE
Misc : 5.04G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-011

Quant Time: Aug 18 02:41:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
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: VW004754.D

Acq: 18 Aug 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

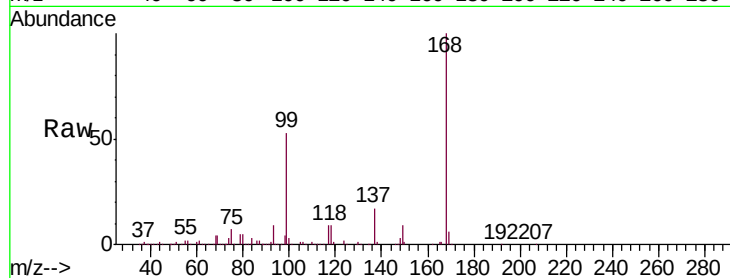
RA-081018-FL-011

Tgt Ion:168 Resp: 540231

Ion Ratio Lower Upper

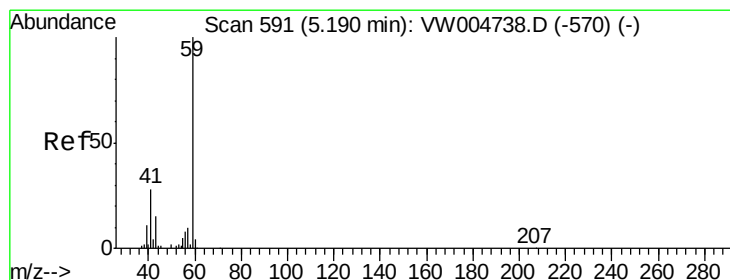
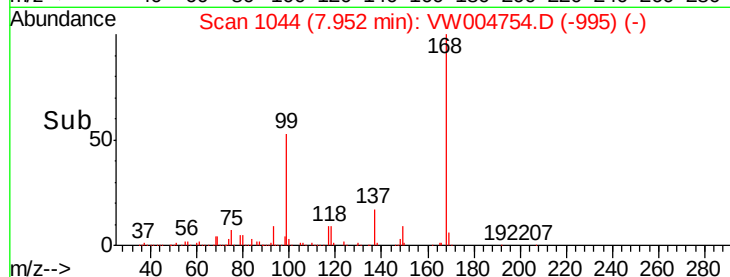
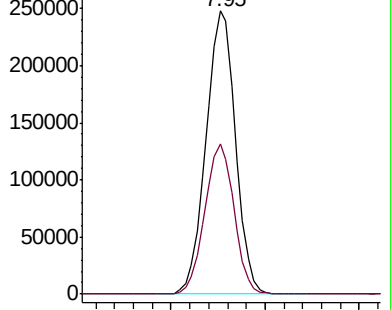
168 100

99 53.0 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.289 ug/l

RT: 5.19 min Scan# 591

Delta R.T. -0.00 min

Lab File: VW004754.D

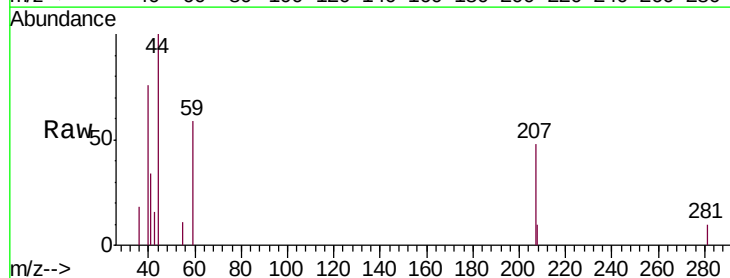
Acq: 18 Aug 2018 00:56

Tgt Ion: 59 Resp: 376

Ion Ratio Lower Upper

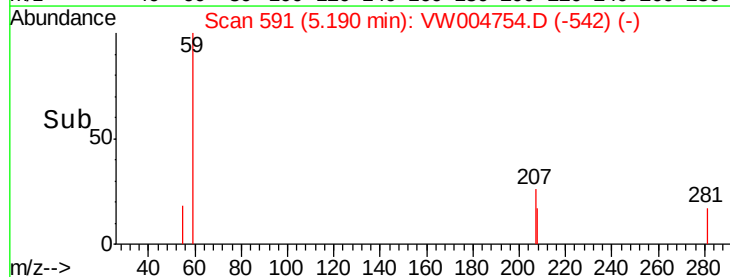
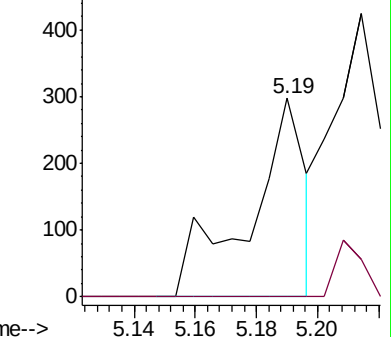
59 100

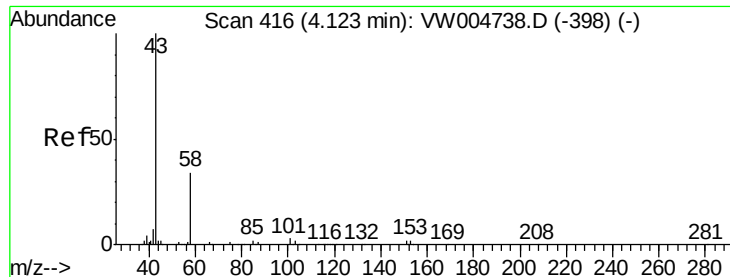
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 30.777 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004754.D

Acq: 18 Aug 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

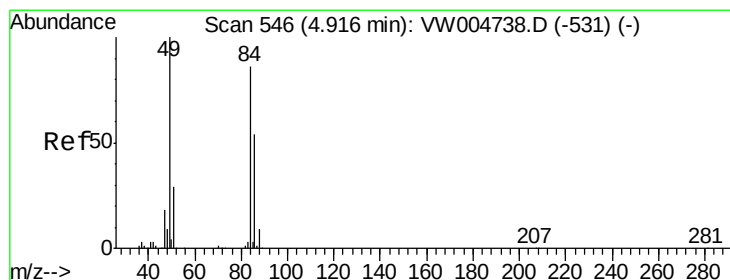
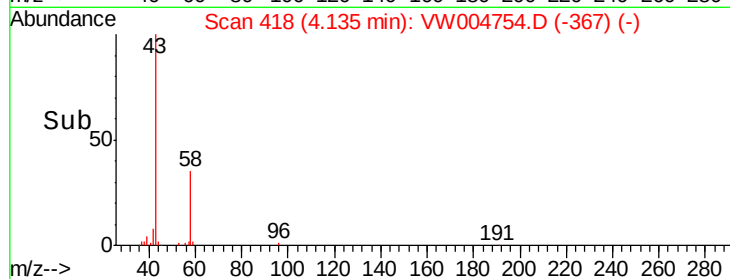
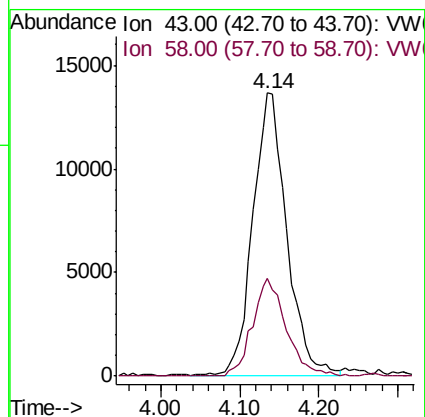
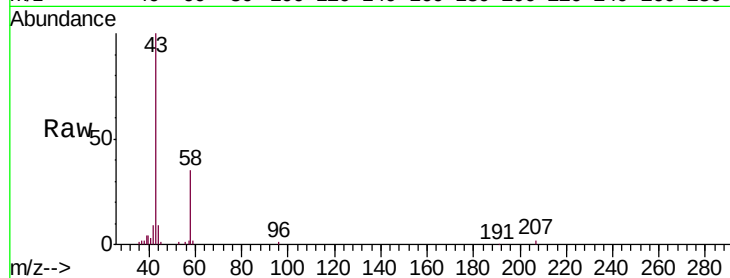
RA-081018-FL-011

Tgt Ion: 43 Resp: 41035

Ion Ratio Lower Upper

43 100

58 34.6 27.3 40.9



#20

Methylene Chloride

Concen: 3.764 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.00 min

Lab File: VW004754.D

Acq: 18 Aug 2018 00:56

Tgt Ion: 84 Resp: 47211

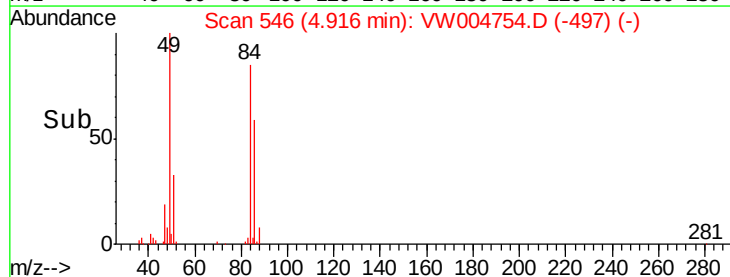
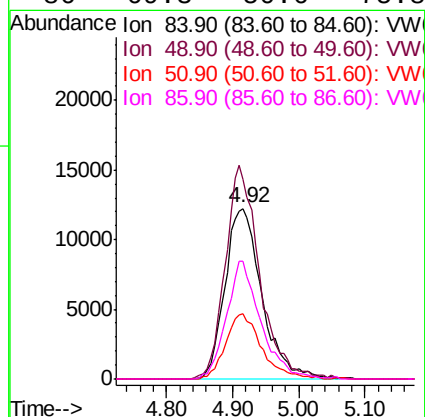
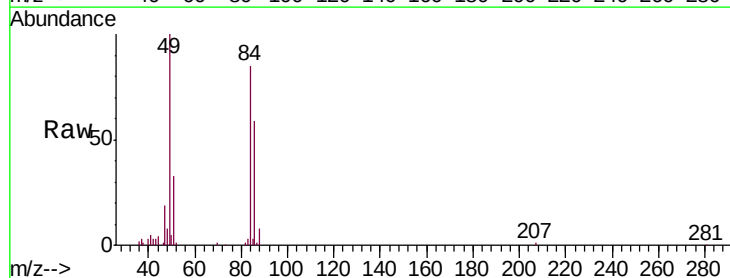
Ion Ratio Lower Upper

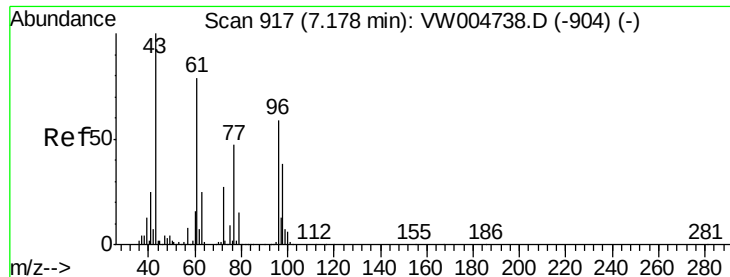
84 100

49 117.4 93.2 139.8

51 38.3 27.4 41.0

86 69.3 50.6 75.8

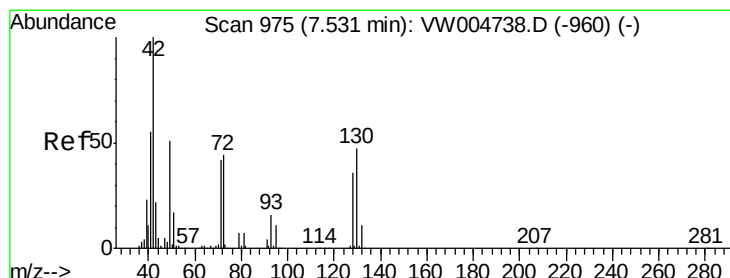
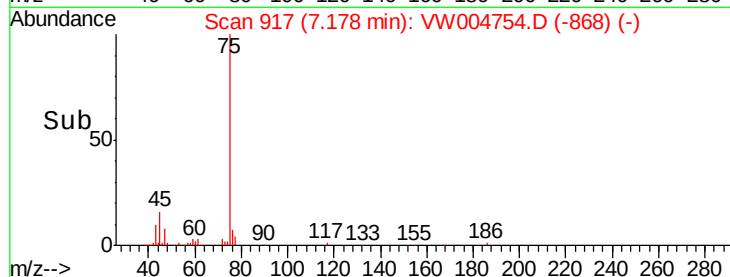
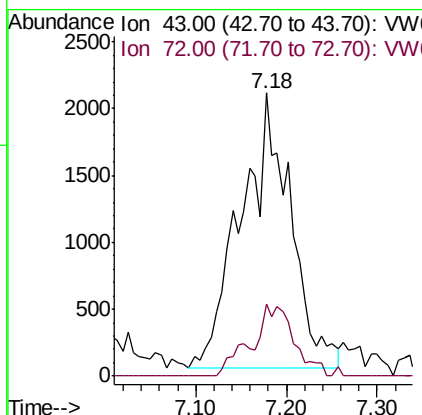
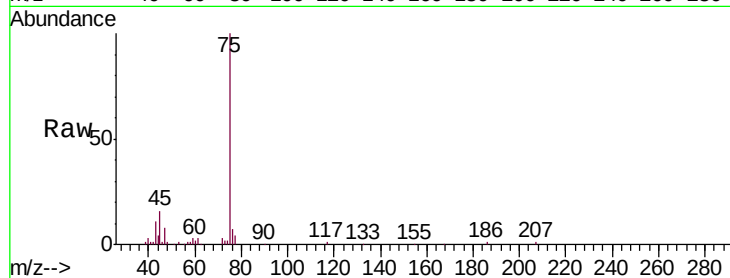




#25
2-Butanone
Concen: 4.109 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW004754.D
Acq: 18 Aug 2018 00:56

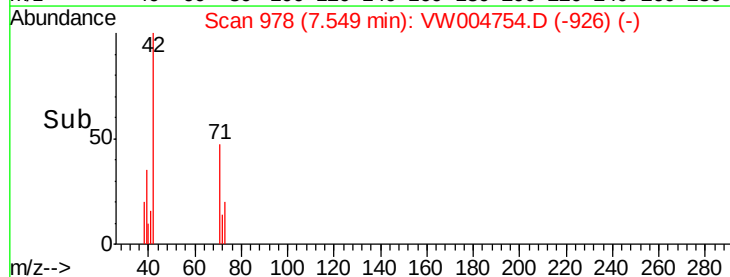
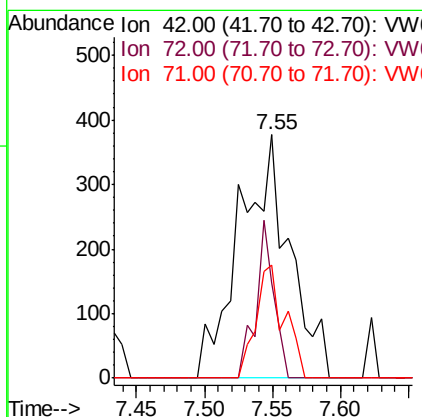
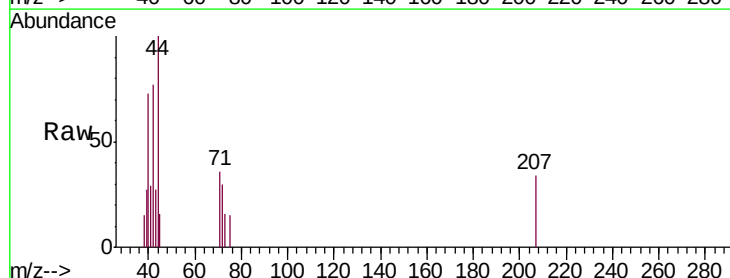
Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-011

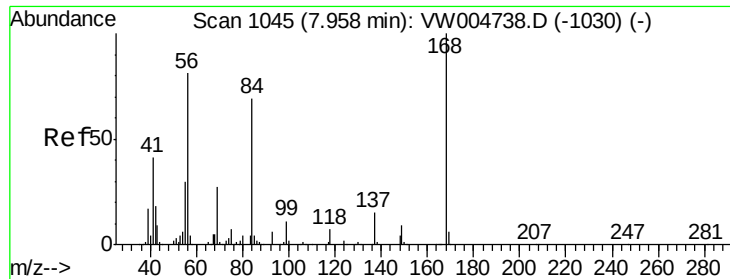
Tgt Ion: 43 Resp: 7806
Ion Ratio Lower Upper
43 100
72 26.4 22.0 33.0



#29
Tetrahydrofuran
Concen: 1.005 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.02 min
Lab File: VW004754.D
Acq: 18 Aug 2018 00:56

Tgt Ion: 42 Resp: 974
Ion Ratio Lower Upper
42 100
72 23.2 34.9 52.3#
71 26.6 33.8 50.6#

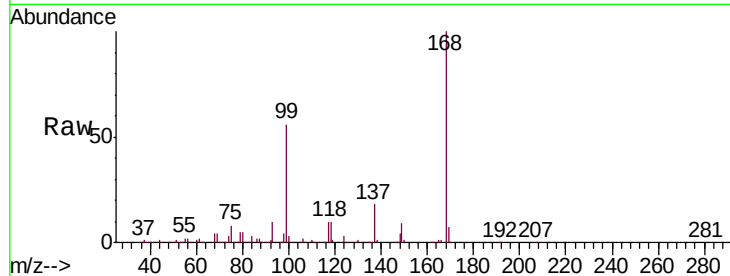




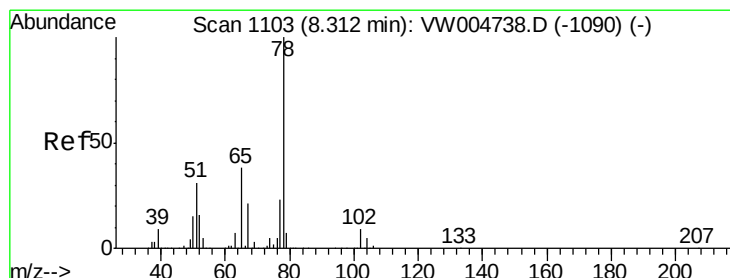
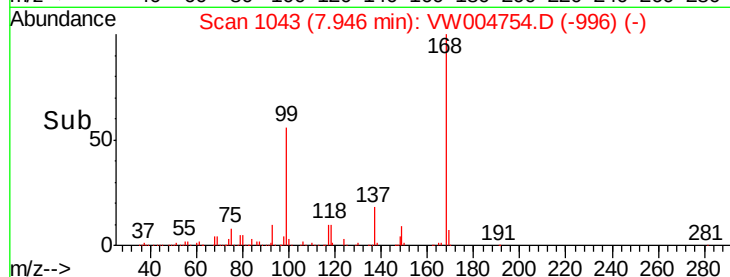
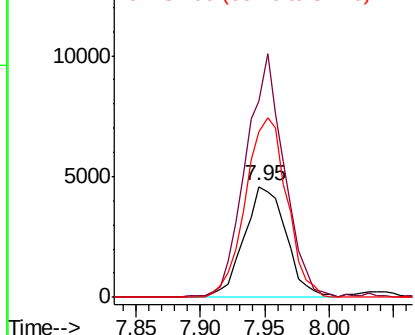
#31
Cyclohexane
Concen: 1.016 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004754.D
Acq: 18 Aug 2018 00:56

Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-011

Tgt Ion: 56 Resp: 10370
Ion Ratio Lower Upper
56 100
69 177.5 27.1 40.7#
84 149.3 68.3 102.5#

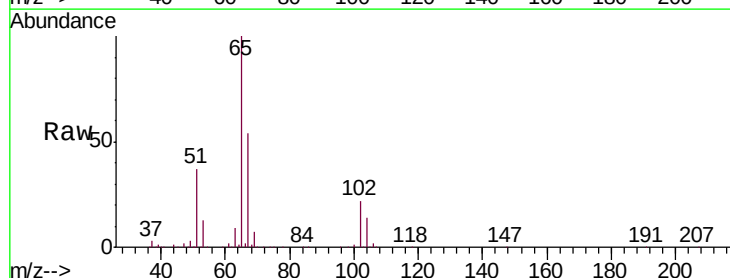


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

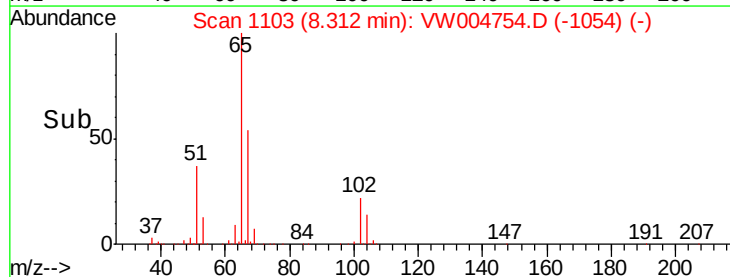
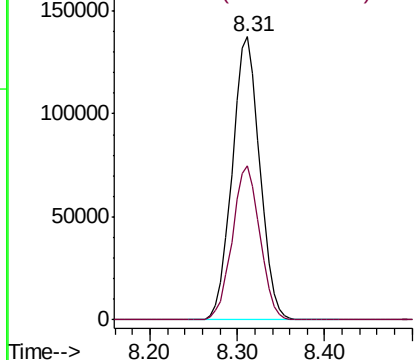


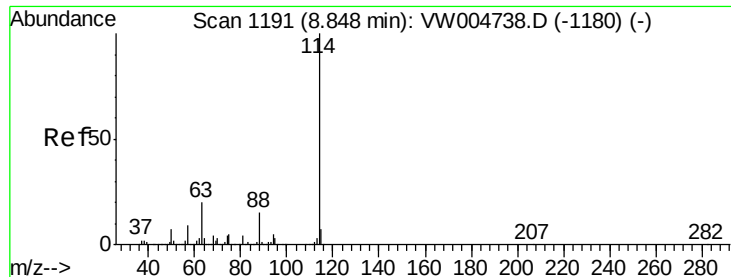
#33
1,2-Dichloroethane-d4
Concen: 57.700 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW004754.D
Acq: 18 Aug 2018 00:56

Tgt Ion: 65 Resp: 301363
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.4



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: VW004754.D

Acq: 18 Aug 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

RA-081018-FL-011

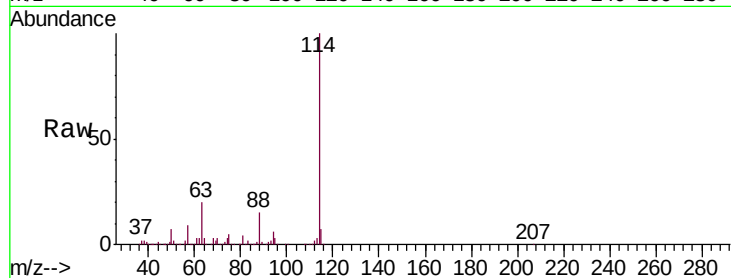
Tgt Ion:114 Resp: 913740

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

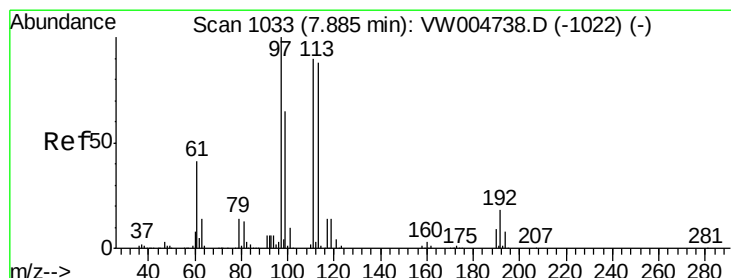
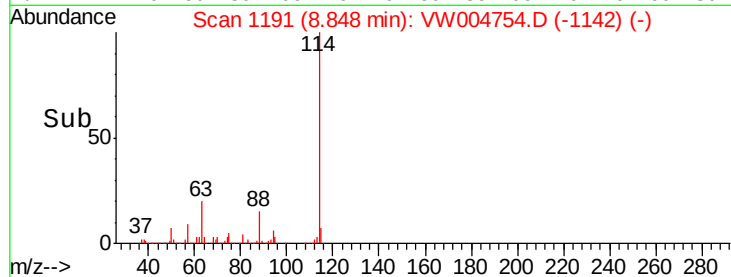
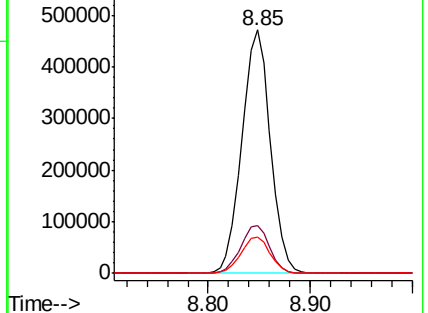
88 15.1 0.0 30.0



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: 49.839 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW004754.D

Acq: 18 Aug 2018 00:56

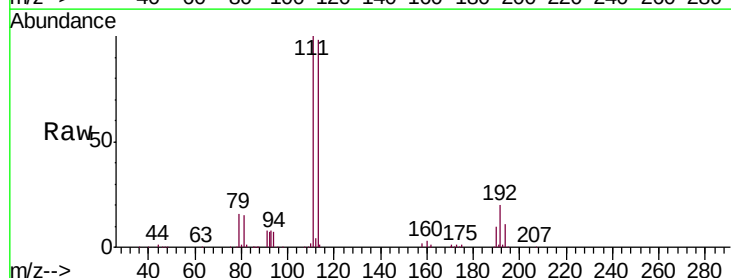
Tgt Ion:113 Resp: 291059

Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

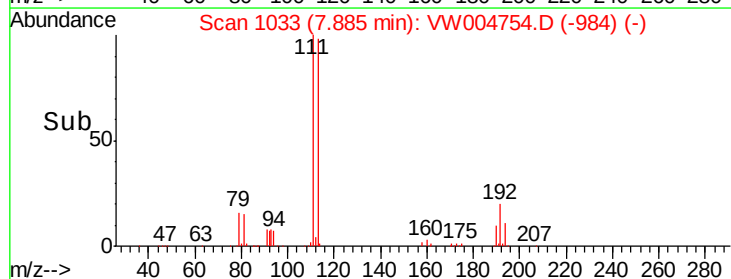
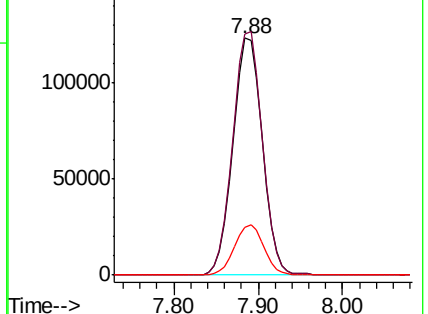
192 21.1 16.7 25.1

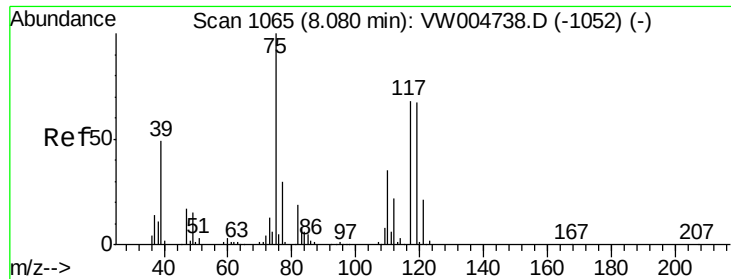


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.332 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004754.D

Acq: 18 Aug 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

RA-081018-FL-011

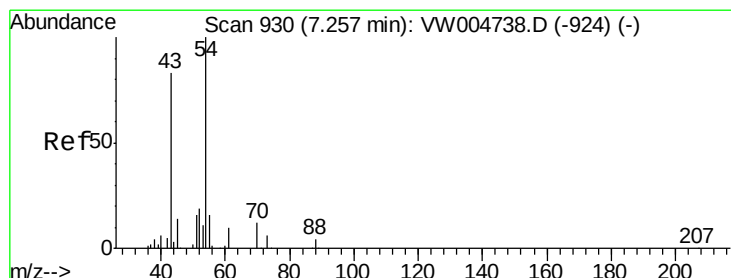
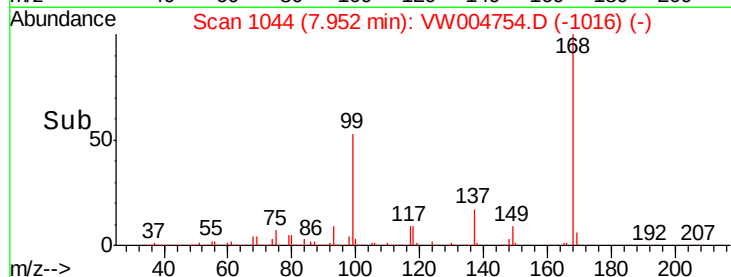
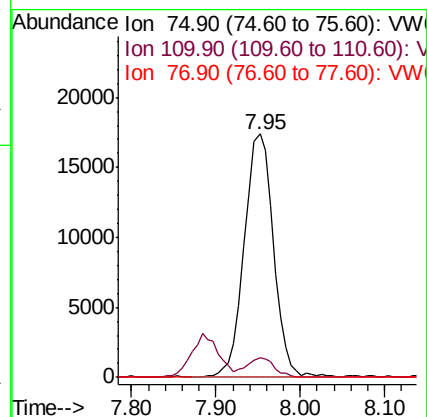
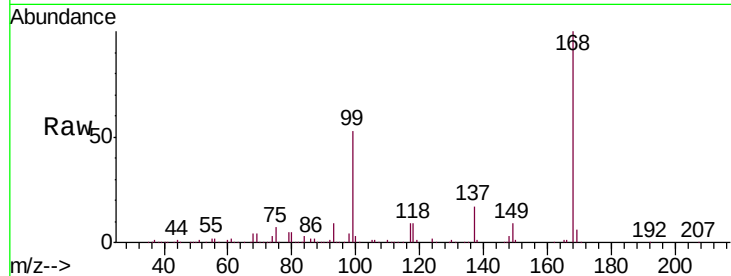
Tgt Ion: 75 Resp: 40782

Ion Ratio Lower Upper

75 100

110 7.7 17.8 53.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 2.080 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.08 min

Lab File: VW004754.D

Acq: 18 Aug 2018 00:56

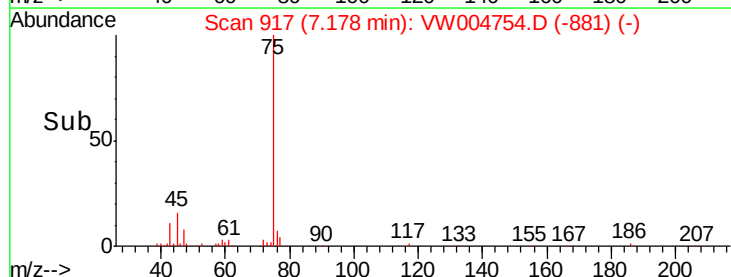
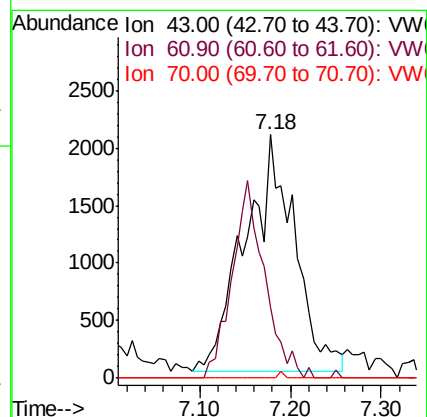
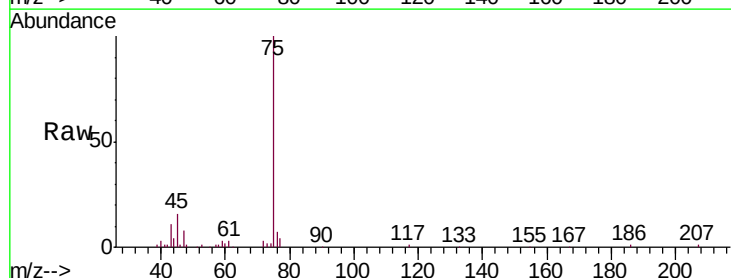
Tgt Ion: 43 Resp: 7806

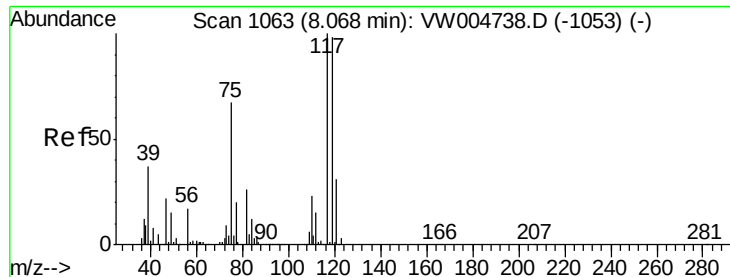
Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

70 0.3 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 5.848 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004754.D

Acq: 18 Aug 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

RA-081018-FL-011

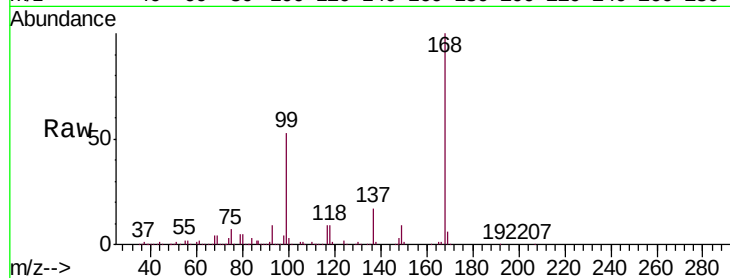
Tgt Ion:117 Resp: 50675

Ion Ratio Lower Upper

117 100

119 7.0 78.0 117.0#

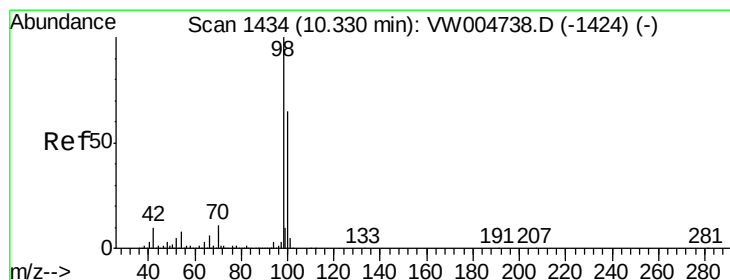
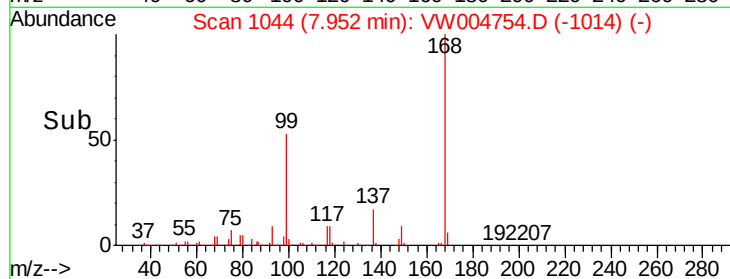
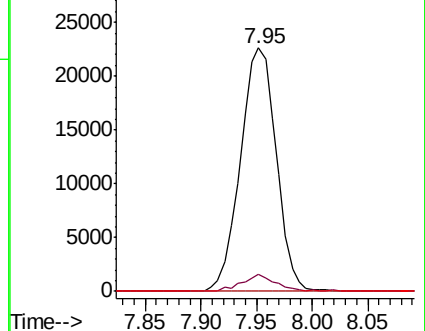
121 0.0 24.8 37.2#



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: 43.154 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004754.D

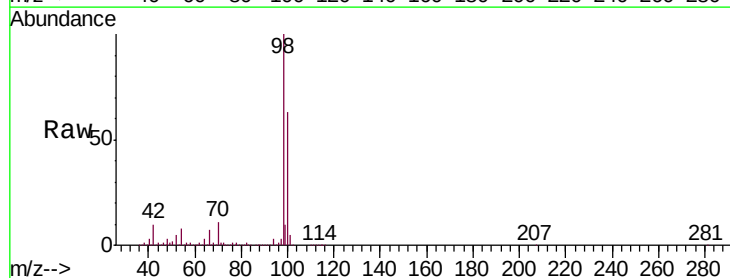
Acq: 18 Aug 2018 00:56

Tgt Ion: 98 Resp: 983782

Ion Ratio Lower Upper

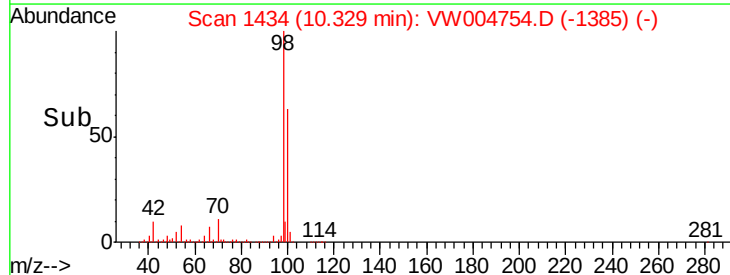
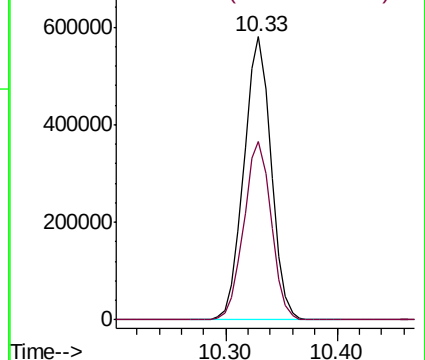
98 100

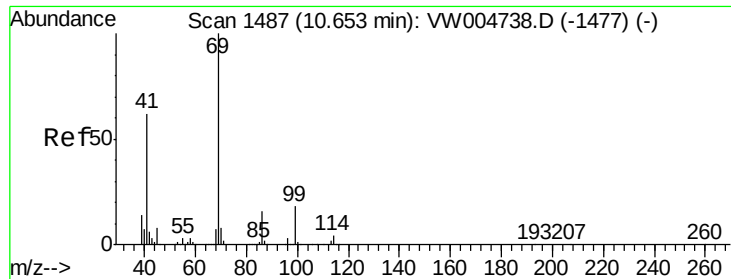
100 63.6 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 3.010 ug/l

RT: 10.68 min Scan# 1491

Delta R.T. 0.02 min

Lab File: VW004754.D

Acq: 18 Aug 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

RA-081018-FL-011

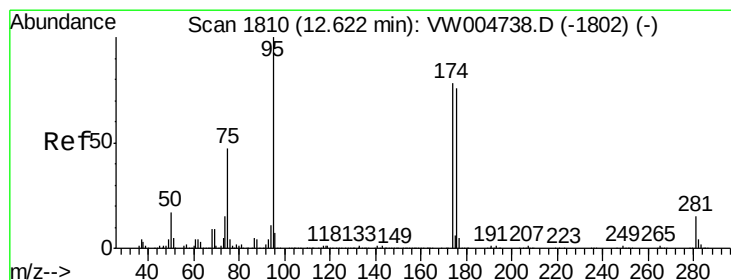
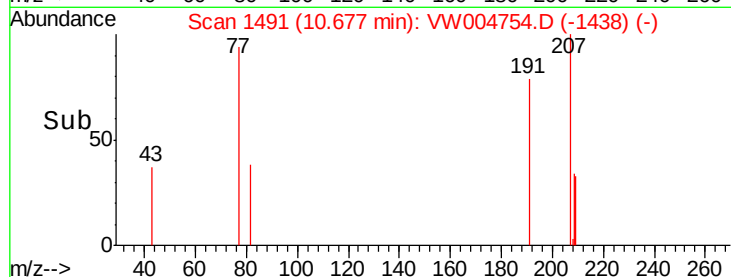
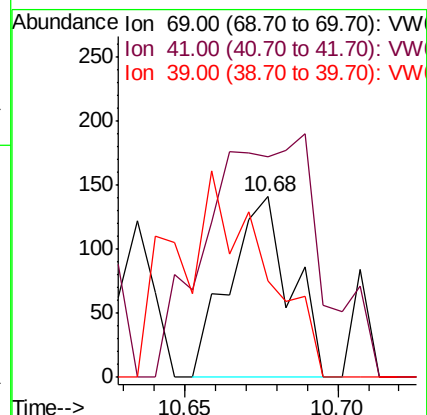
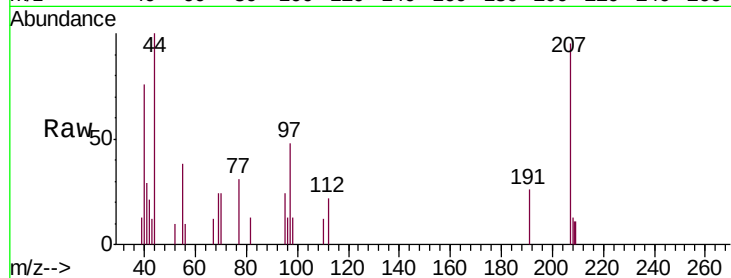
Tgt Ion: 69 Resp: 195

Ion Ratio Lower Upper

69 100

41 250.8 50.7 76.1#

39 0.0 21.4 32.2#



#62

4-Bromofluorobenzene

Concen: 34.107 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004754.D

Acq: 18 Aug 2018 00:56

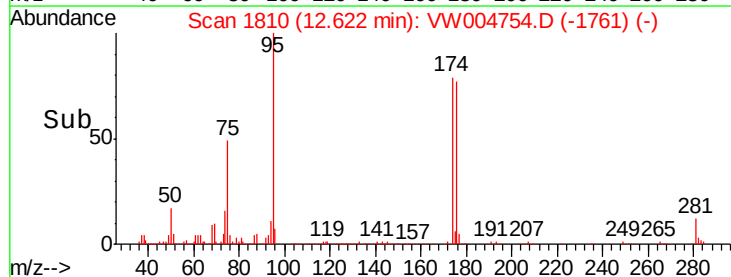
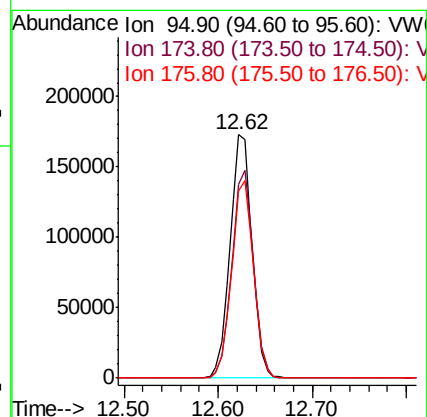
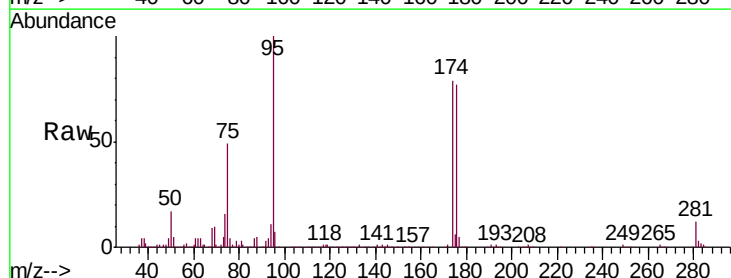
Tgt Ion: 95 Resp: 279732

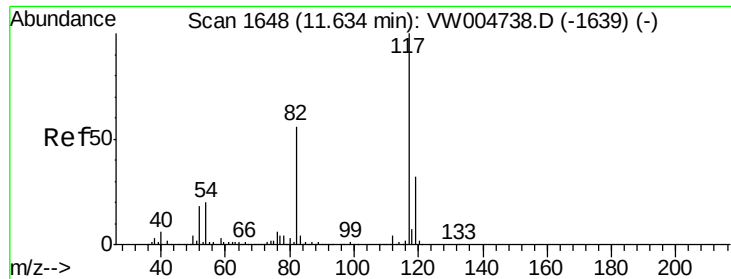
Ion Ratio Lower Upper

95 100

174 84.0 0.0 165.8

176 80.6 0.0 159.8

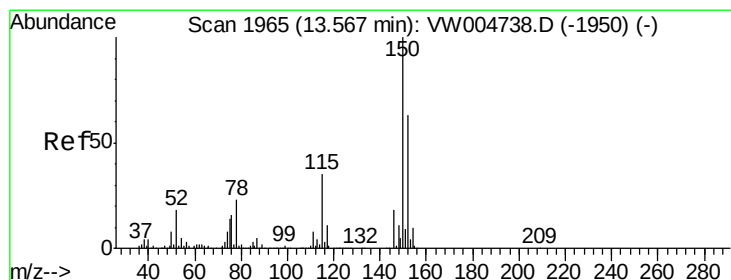
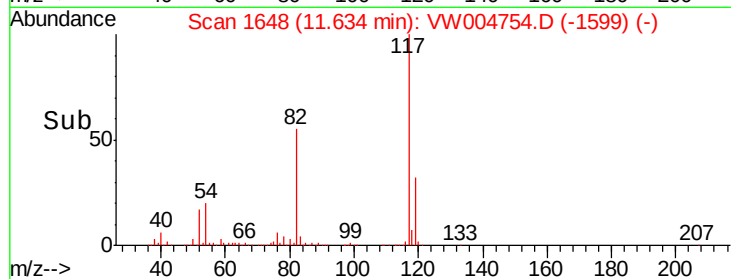
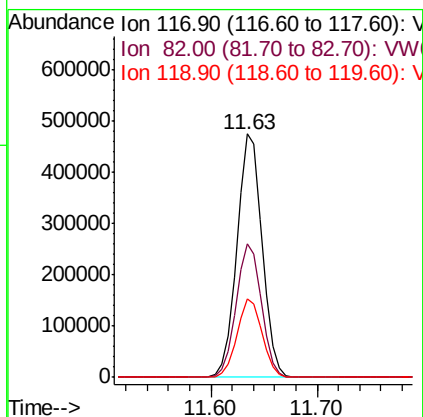
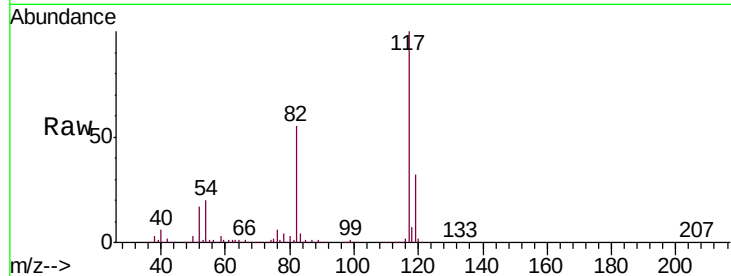




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004754.D
Acq: 18 Aug 2018 00:56

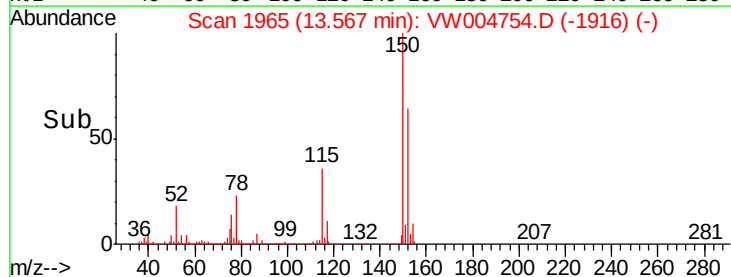
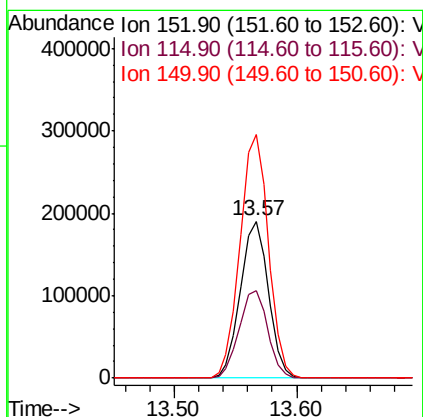
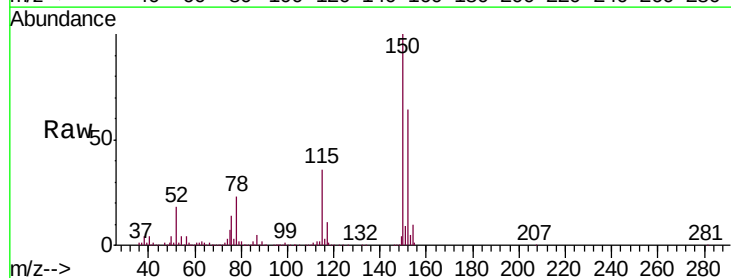
Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-011

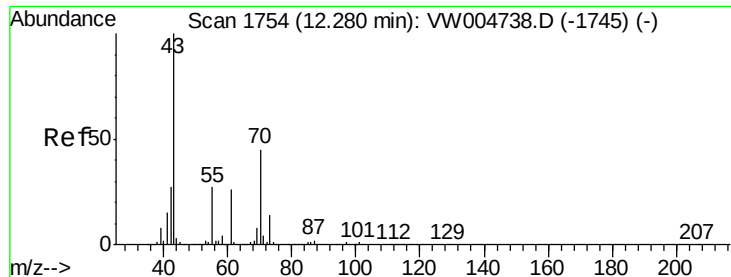
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.6	67.0
119	32.3	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004754.D
Acq: 18 Aug 2018 00:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.5	85.5
150	156.8	0.0	344.8





#74

N-amyI acetate

Concen: 4.100 ug/l

RT: 12.26 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VW004754.D

Acq: 18 Aug 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

RA-081018-FL-011

Tgt Ion: 43 Resp: 425

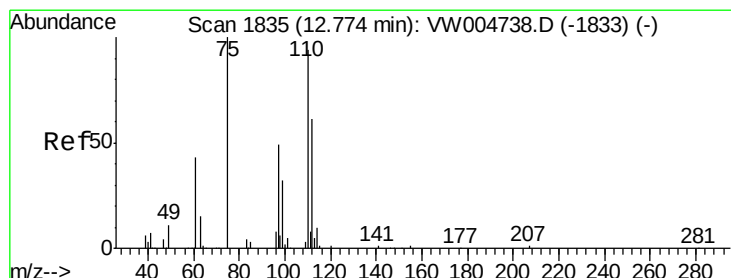
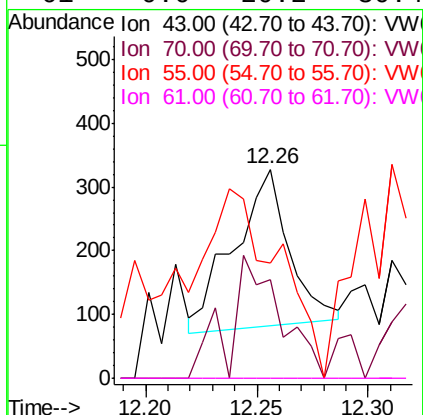
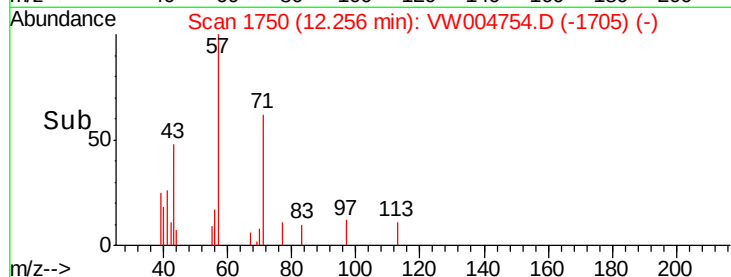
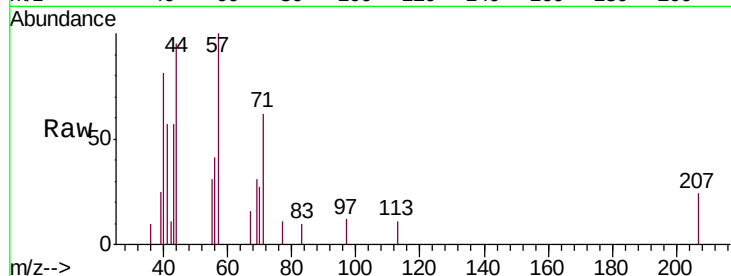
Ion Ratio Lower Upper

43 100

70 73.9 36.3 54.5#

55 180.2 22.6 33.8#

61 0.0 20.2 30.4#



#76

1,2,3-Trichloropropane

Concen: 50.203 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004754.D

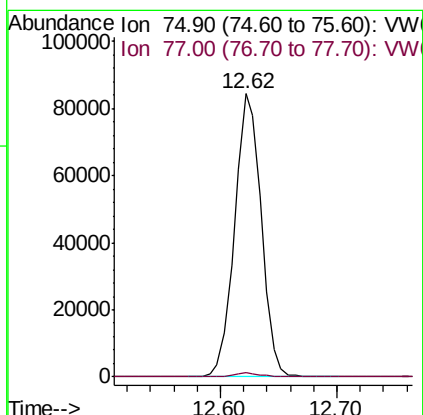
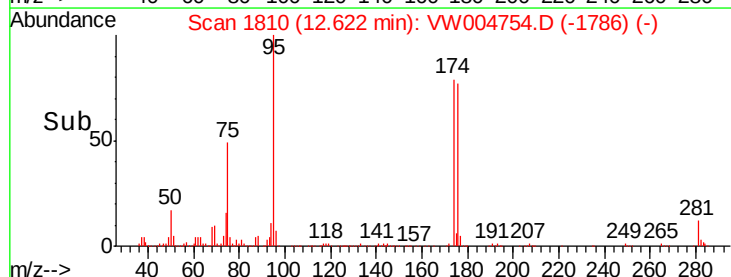
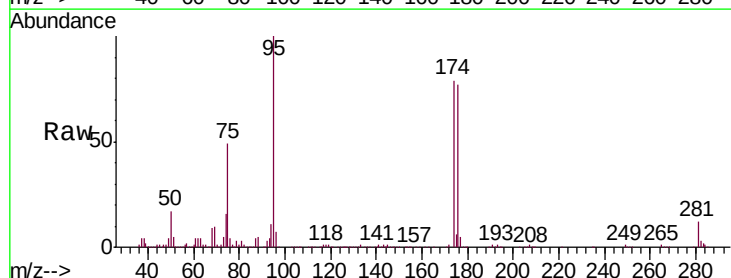
Acq: 18 Aug 2018 00:56

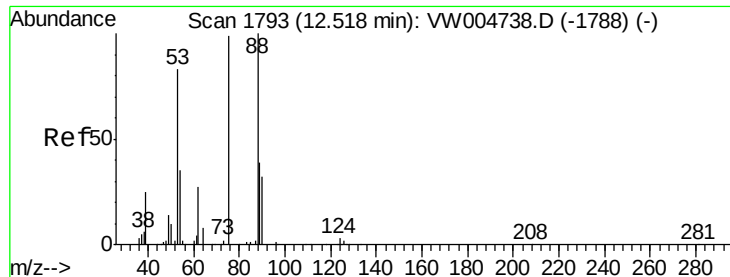
Tgt Ion: 75 Resp: 134187

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 116.685 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004754.D

Acq: 18 Aug 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

RA-081018-FL-011

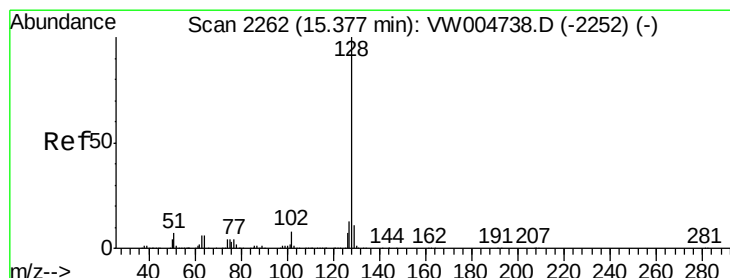
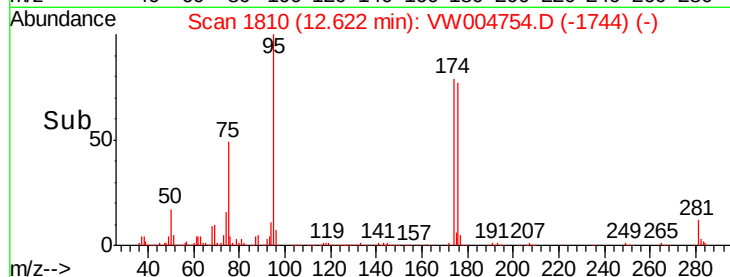
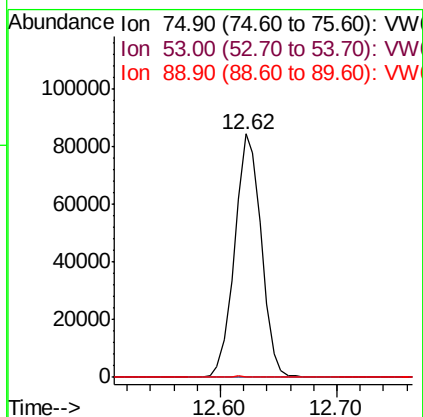
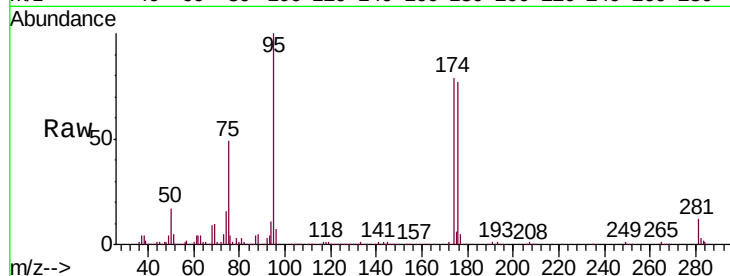
Tgt Ion: 75 Resp: 134187

Ion Ratio Lower Upper

75 100

53 0.5 72.2 108.4#

89 0.2 35.2 52.8#



#95

Naphthalene

Concen: 3.643 ug/l

RT: 15.37 min Scan# 2261

Delta R.T. -0.01 min

Lab File: VW004754.D

Acq: 18 Aug 2018 00:56

Tgt Ion: 128 Resp: 1820

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 13.2 8.6 13.0#

