

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100418\
 Data File : VW005844.D
 Acq On : 04 Oct 2018 08:47
 Operator : SY/AP
 Sample : J5200-01RE
 Misc : 6.37G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-100118-ARE

Quant Time: Oct 04 10:59:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 04 07:08:57 2018
 Response via : Initial Calibration

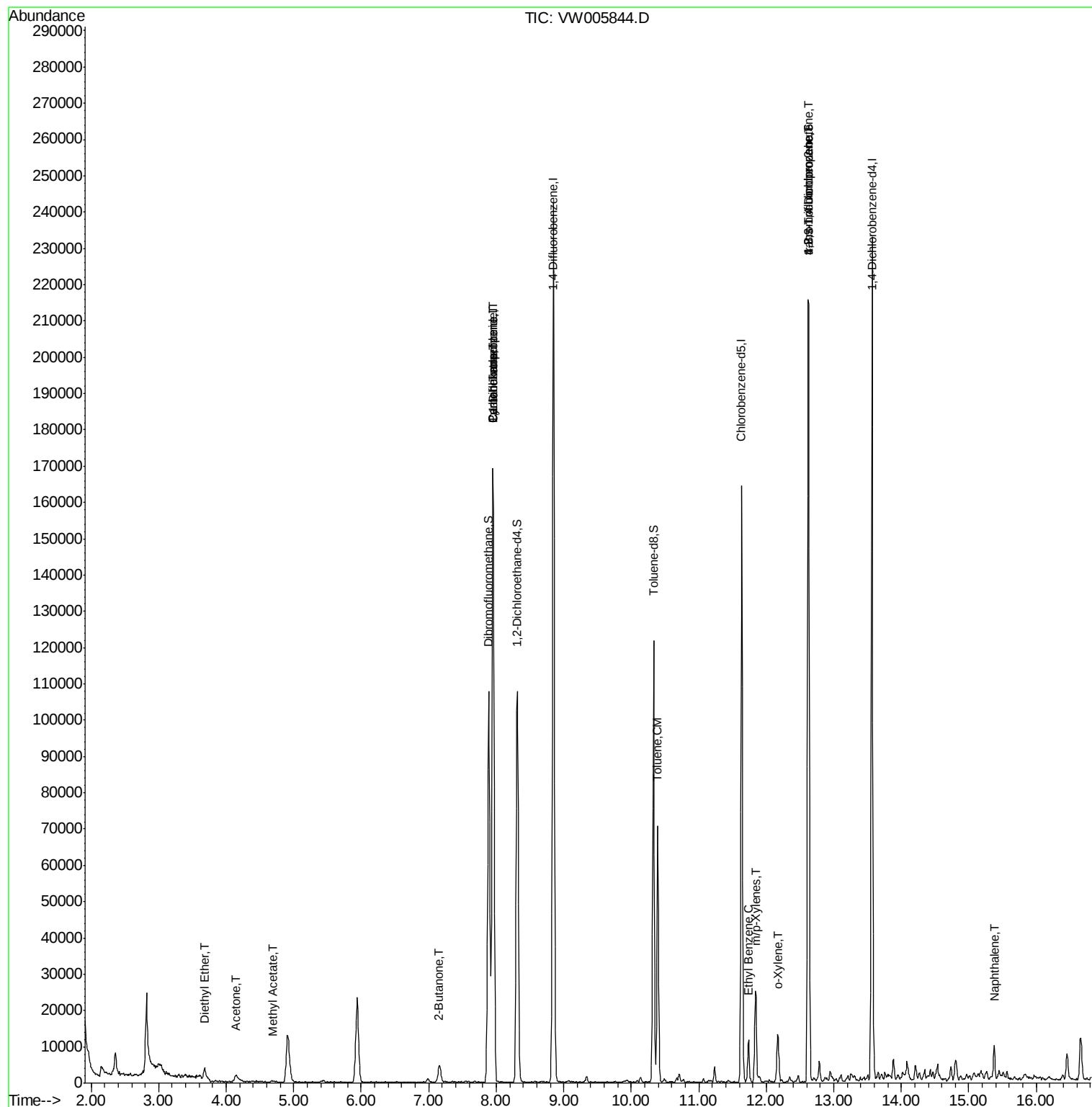
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	126037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	201194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	91820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	61187	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	90232	59.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.02%	
35) Dibromofluoromethane	7.89	113	73868	56.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.04%	
50) Toluene-d8	10.33	98	77927	14.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	29.76%	
62) 4-Bromofluorobenzene	12.63	95	69094	35.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.42%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	1920	2.899	ug/l	91
16) Acetone	4.14	43	4232	16.585	ug/l	94
18) Methyl Acetate	4.70	43	887	1.222	ug/l #	84
25) 2-Butanone	7.16	43	409	1.139	ug/l #	49
31) Cyclohexane	7.96	56	3042	1.455	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	9677	4.839	ug/l #	51
38) Carbon Tetrachloride	7.95	117	12178	5.465	ug/l #	15
52) Toluene	10.39	92	28246	7.646	ug/l	96
67) Ethyl Benzene	11.74	91	7566	2.201	ug/l	93
68) m/p-Xylenes	11.85	106	7829	5.910	ug/l	91
69) o-Xylene	12.17	106	3213	2.609	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	35428	63.711	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	35428	161.049	ug/l #	8
95) Naphthalene	15.38	128	8179	5.241	ug/l	97

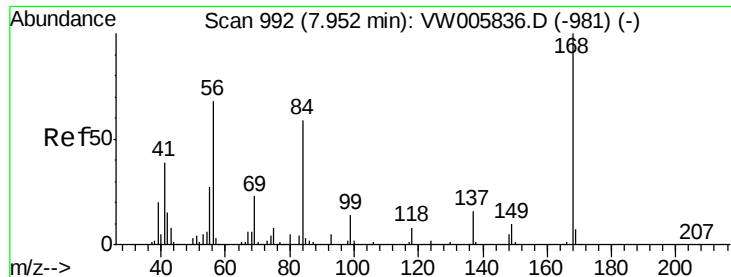
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 04 07:08:57 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005844.D

Acq: 04 Oct 2018 08:47

Instrument :

MSVOA_W

ClientSampleId :

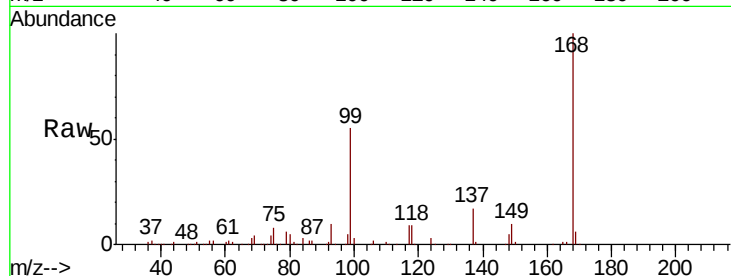
OR-02-100118-ARE

Tot Ion:168 Resp: 126037

Ion Ratio Lower Upper

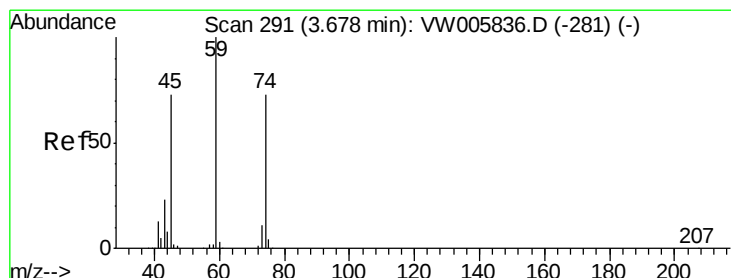
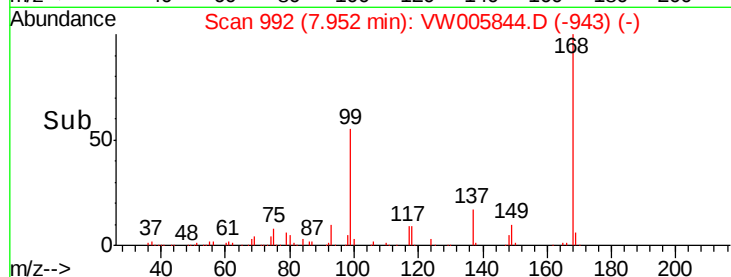
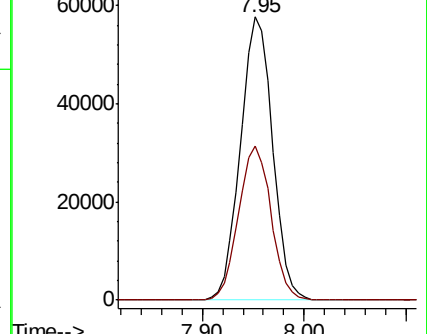
168 100

99 54.5 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.899 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005844.D

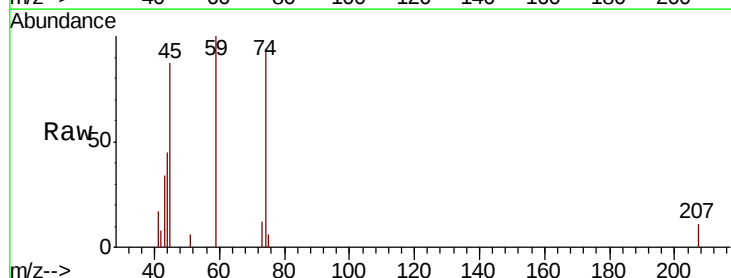
Acq: 04 Oct 2018 08:47

Tgt Ion: 74 Resp: 1920

Ion Ratio Lower Upper

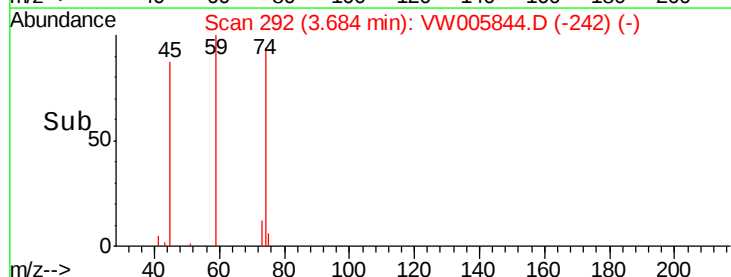
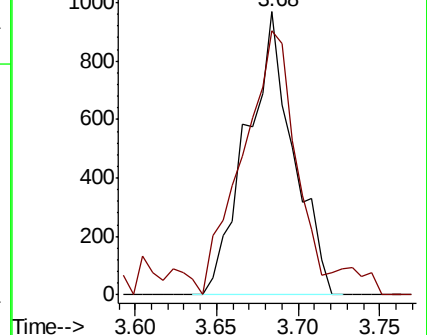
74 100

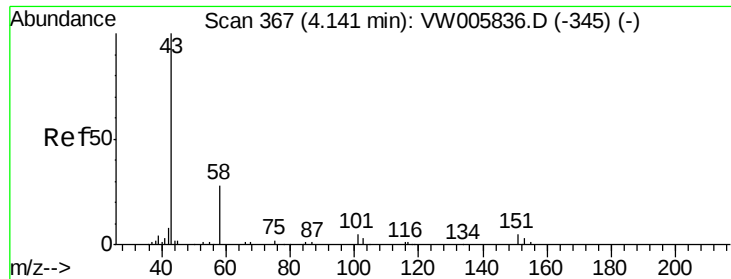
45 107.1 49.1 147.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 16.585 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW005844.D

Acq: 04 Oct 2018 08:47

Instrument :

MSVOA_W

ClientSampleId :

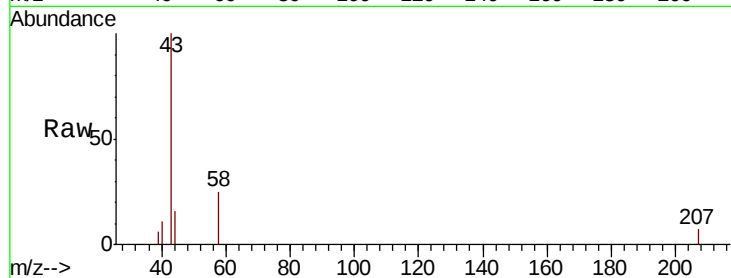
OR-02-100118-ARE

Tot Ion: 43 Resp: 4232

Ion Ratio Lower Upper

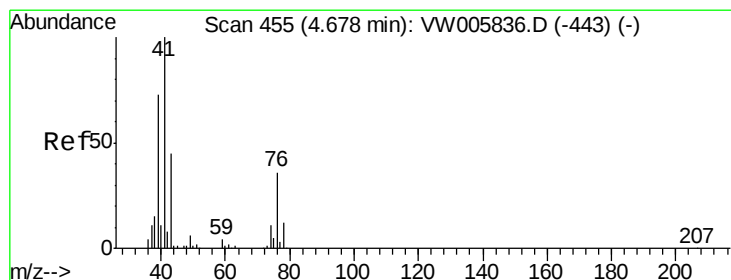
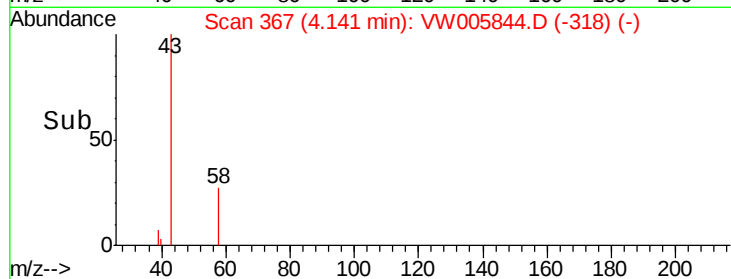
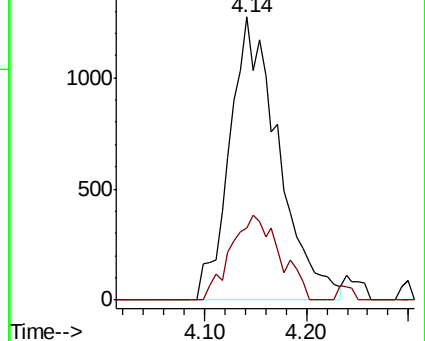
43 100

58 25.5 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.222 ug/l

RT: 4.70 min Scan# 459

Delta R.T. 0.02 min

Lab File: VW005844.D

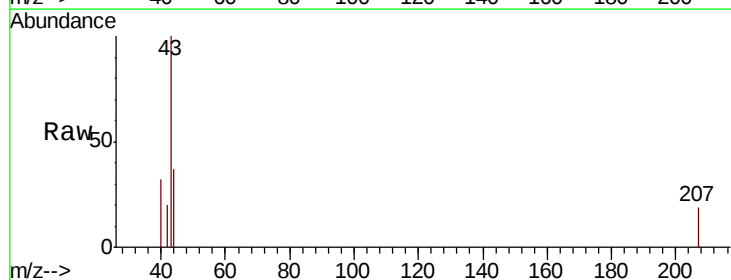
Acq: 04 Oct 2018 08:47

Tgt Ion: 43 Resp: 887

Ion Ratio Lower Upper

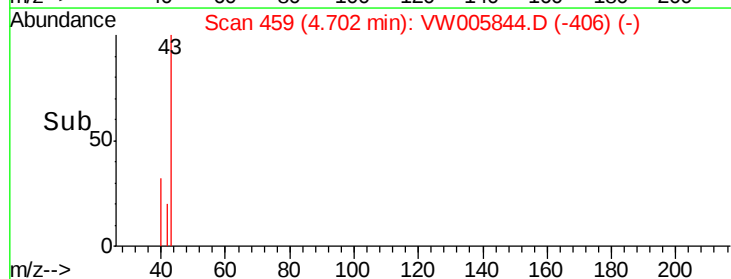
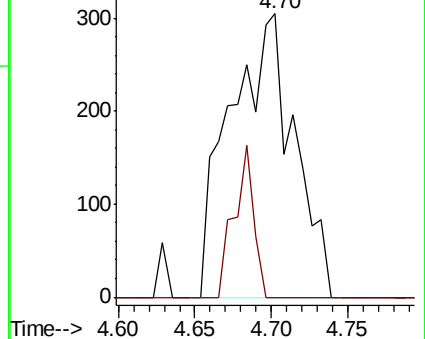
43 100

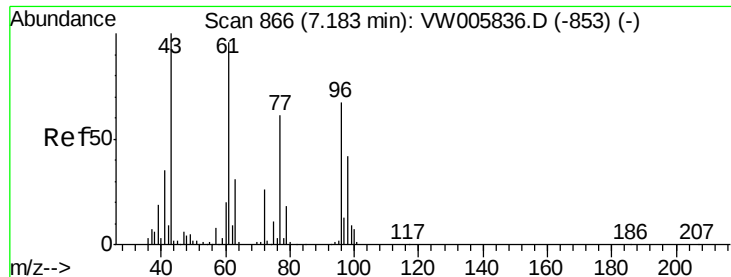
74 16.5 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#25

2-Butanone

Concen: 1.139 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW005844.D

Acq: 04 Oct 2018 08:47

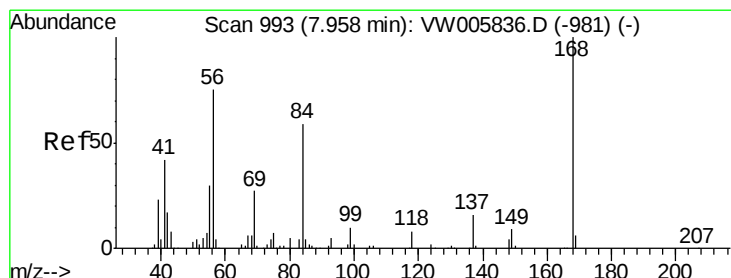
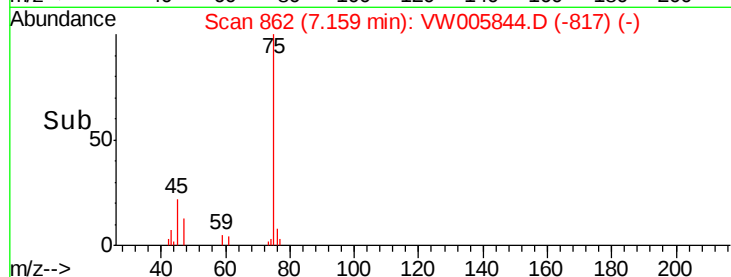
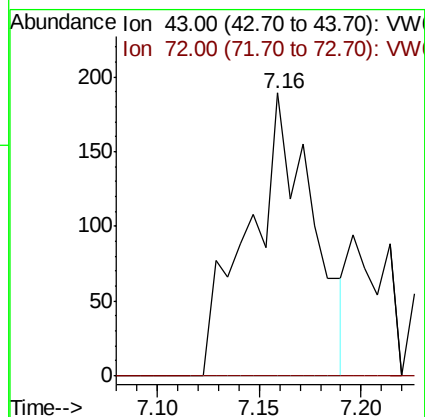
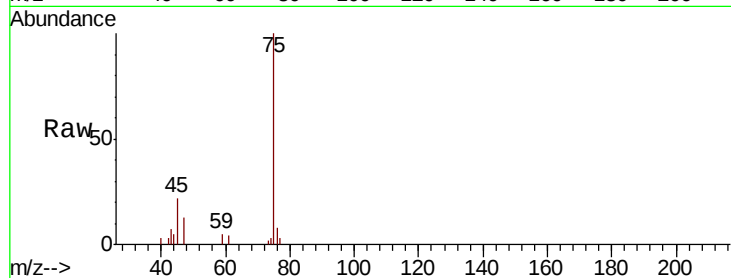
Instrument :
MSVOA_W
ClientSampleId :
OR-02-100118-ARE

Tot Ion: 43 Resp: 409

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



#31

Cyclohexane

Concen: 1.455 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005844.D

Acq: 04 Oct 2018 08:47

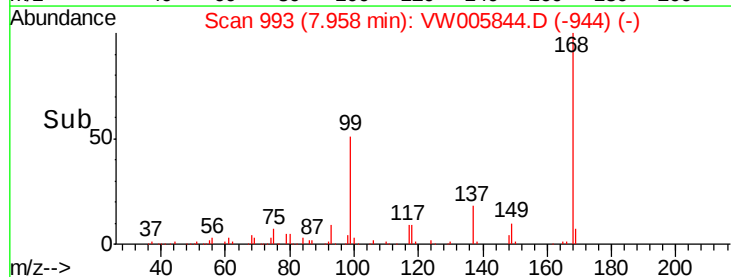
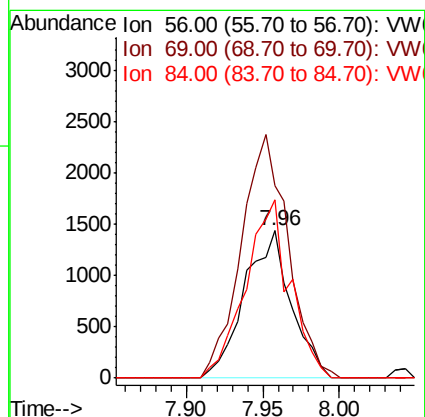
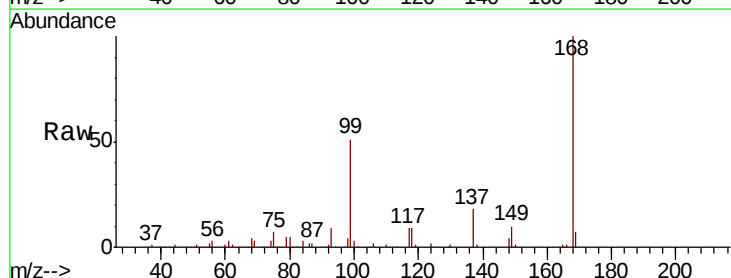
Tgt Ion: 56 Resp: 3042

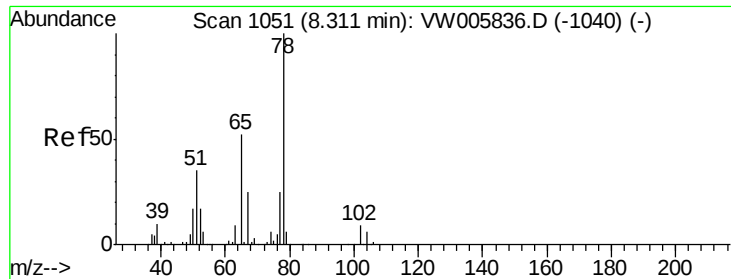
Ion Ratio Lower Upper

56 100

69 130.1 29.0 43.4#

84 121.2 63.5 95.3#

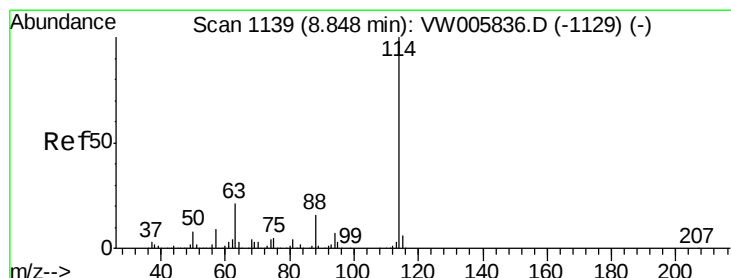
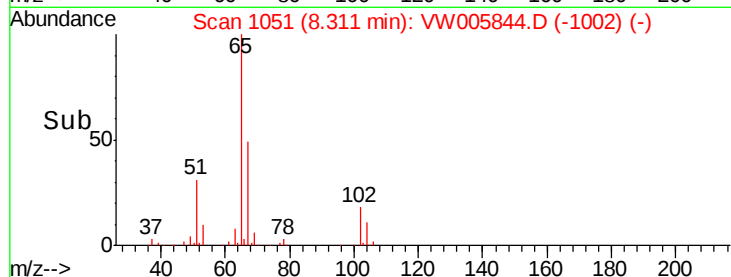
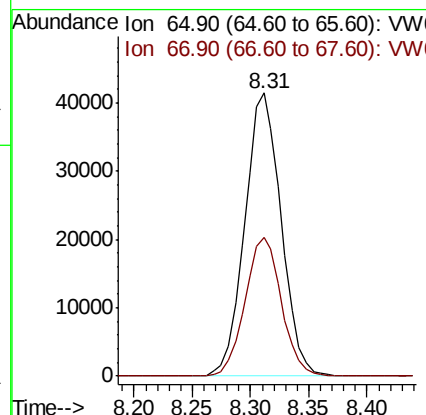
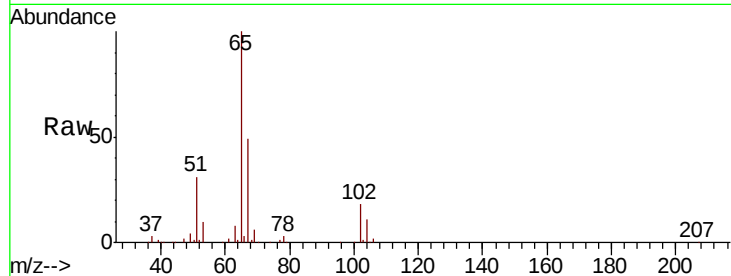




#33
 1,2-Dichloroethane-d4
 Concen: 59.013 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005844.D
 Acq: 04 Oct 2018 08:47

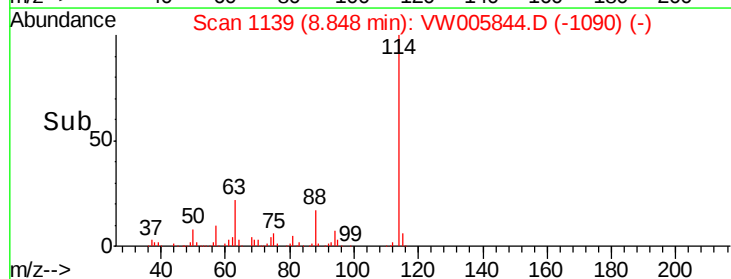
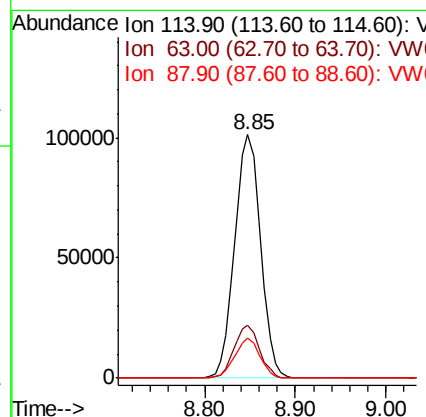
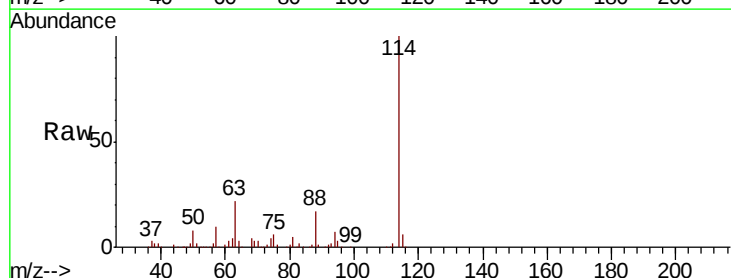
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-100118-ARE

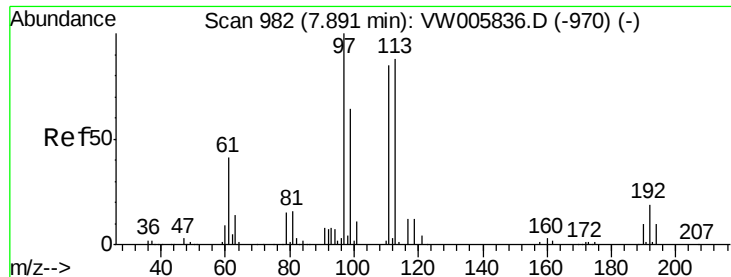
Tot Ion: 65 Resp: 90232
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005844.D
 Acq: 04 Oct 2018 08:47

Tgt Ion: 114 Resp: 201194
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.0
 88 16.6 0.0 31.2

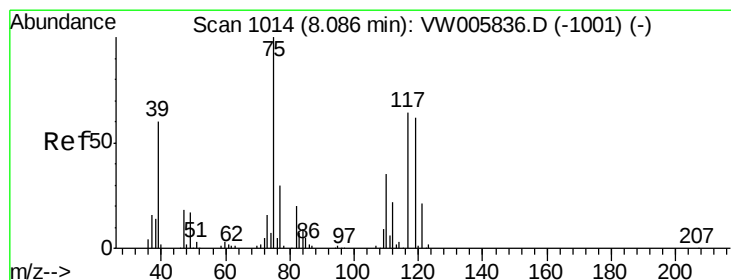
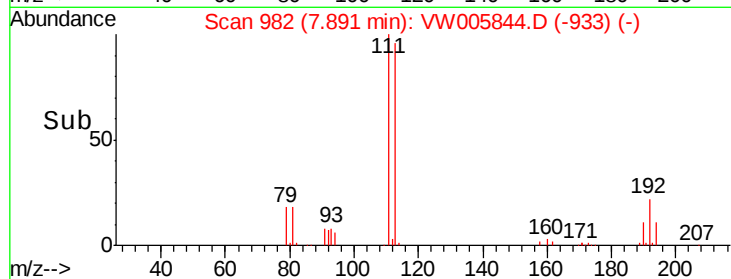
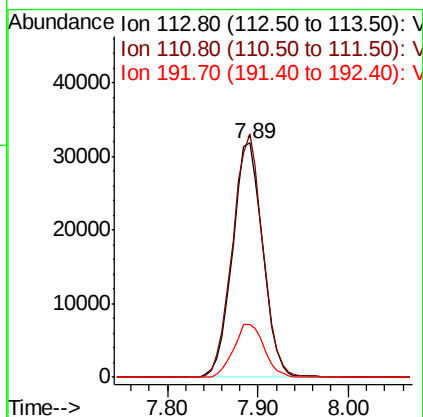
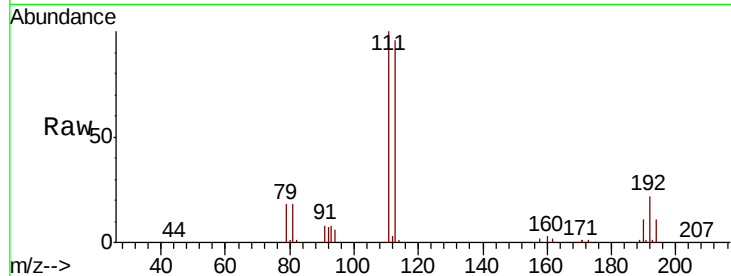




#35
 Dibromofluoromethane
 Concen: 56.015 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005844.D
 Acq: 04 Oct 2018 08:47

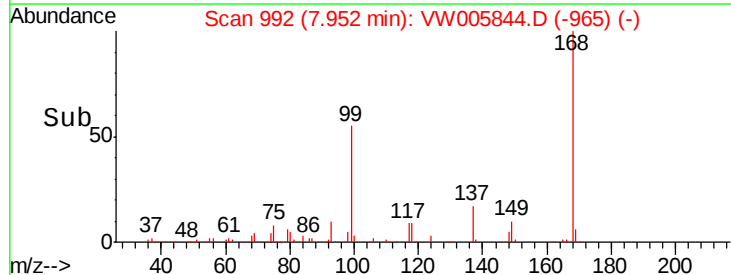
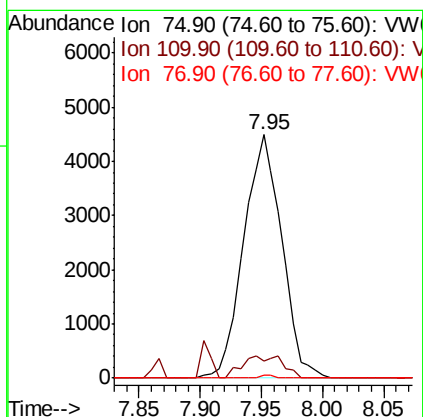
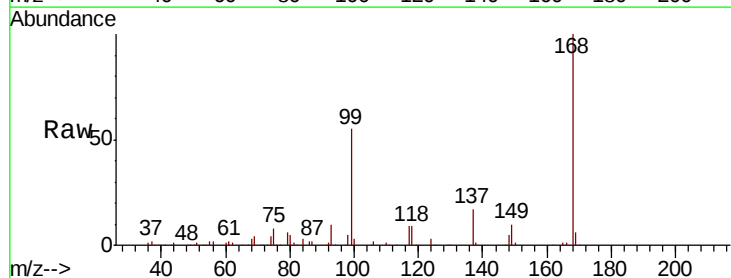
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-100118-ARE

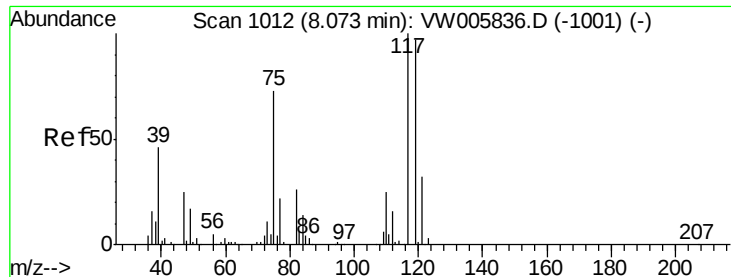
Tot Ion:113 Resp: 73868
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.4 122.2
 192 22.8 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 4.839 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005844.D
 Acq: 04 Oct 2018 08:47

Tgt Ion: 75 Resp: 9677
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.5 52.6#
 77 0.4 24.8 37.2#

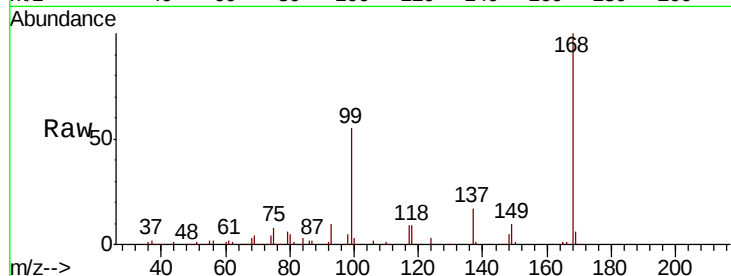




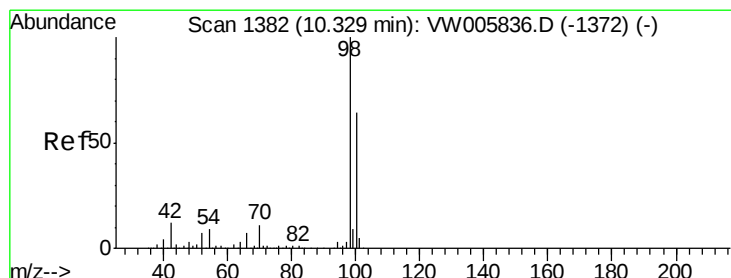
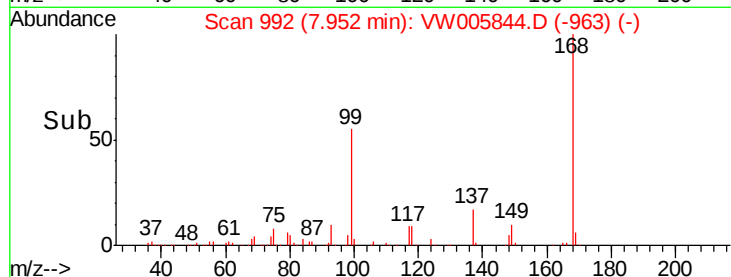
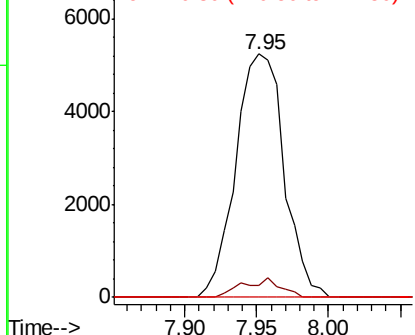
#38
Carbon Tetrachloride
Concen: 5.465 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005844.D
Acq: 04 Oct 2018 08:47

Instrument :
MSVOA_W
ClientSampleId :
OR-02-100118-ARE

Tot Ion:117 Resp: 12178
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 25.2 37.8#

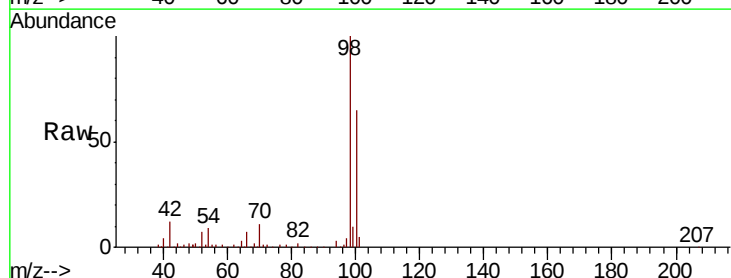


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

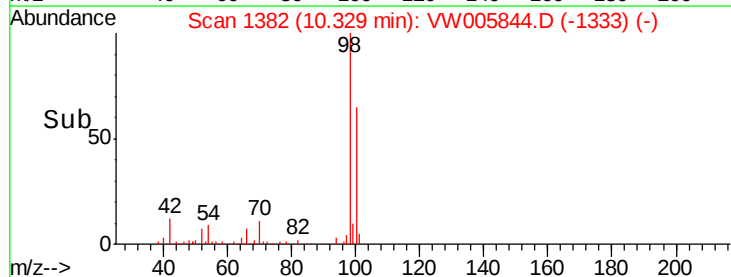
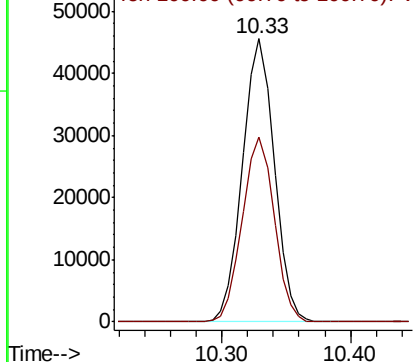


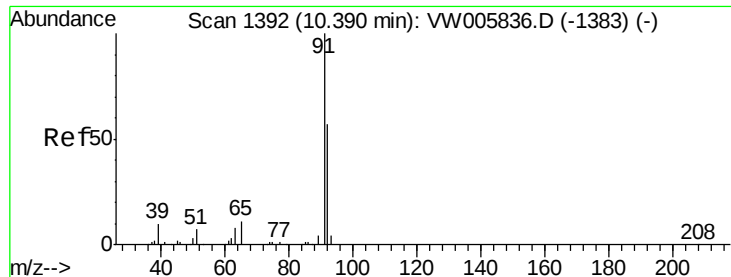
#50
Toluene-d8
Concen: 14.882 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005844.D
Acq: 04 Oct 2018 08:47

Tgt Ion: 98 Resp: 77927
Ion Ratio Lower Upper
98 100
100 65.6 51.7 77.5



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





#52

Toluene

Concen: 7.646 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005844.D

Acq: 04 Oct 2018 08:47

Instrument :

MSVOA_W

ClientSampleId :

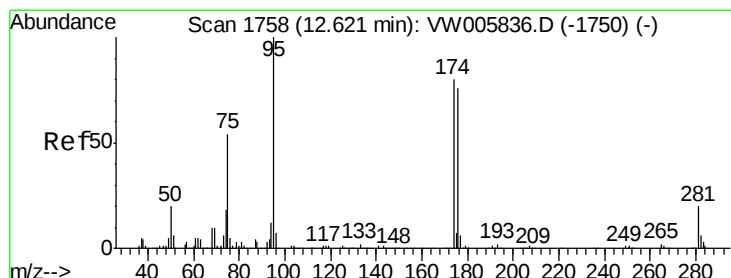
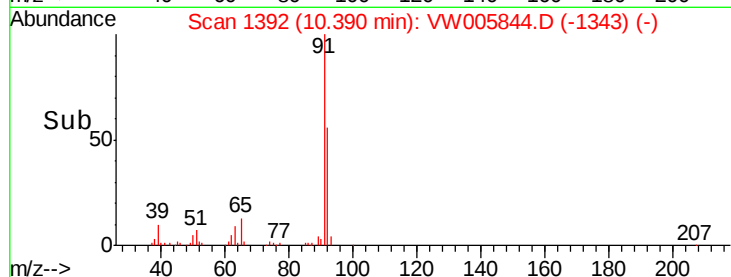
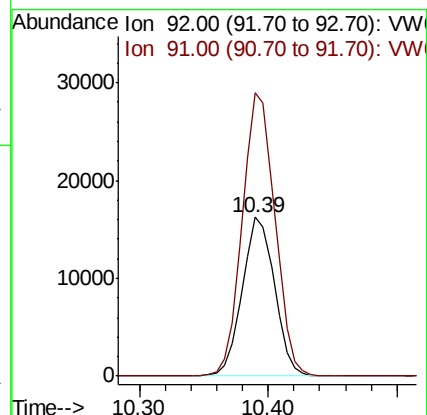
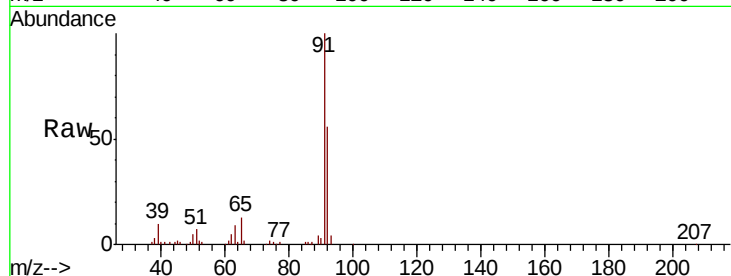
OR-02-100118-ARE

Tot Ion: 92 Resp: 28246

Ion Ratio Lower Upper

92 100

91 179.6 139.0 208.4



#62

4-Bromofluorobenzene

Concen: 35.705 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005844.D

Acq: 04 Oct 2018 08:47

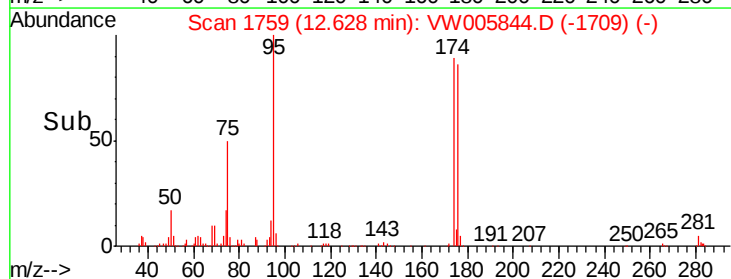
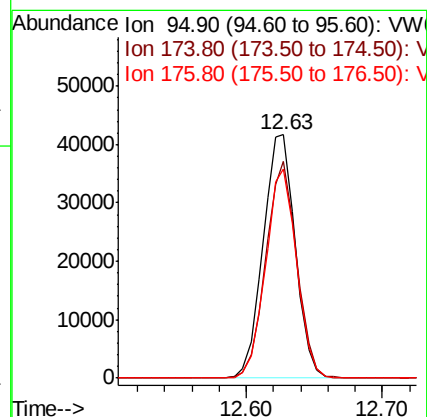
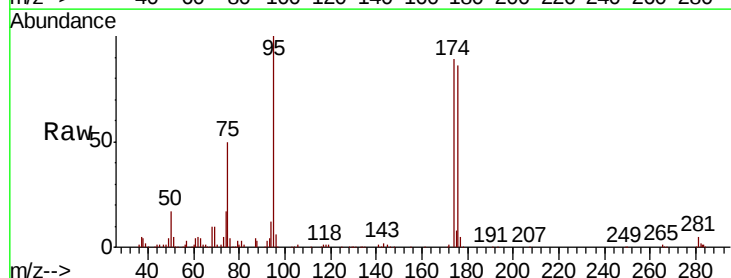
Tgt Ion: 95 Resp: 69094

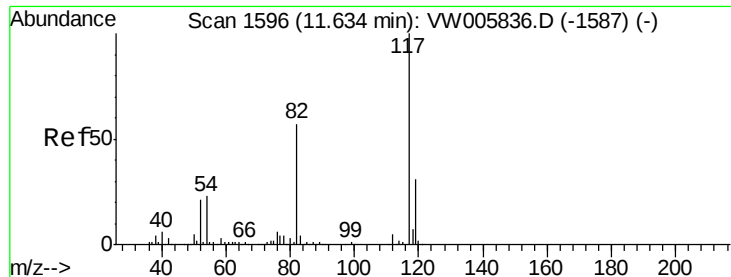
Ion Ratio Lower Upper

95 100

174 85.5 0.0 169.0

176 83.1 0.0 164.2

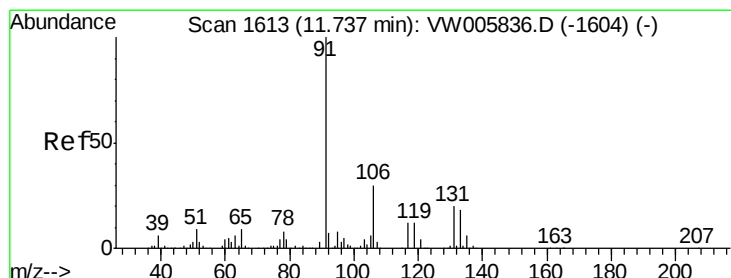
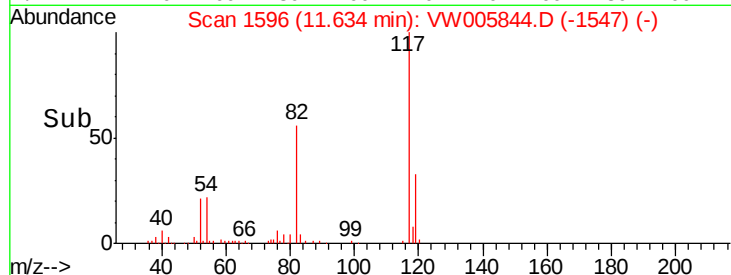
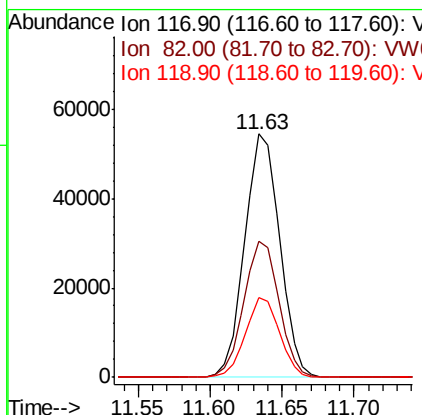
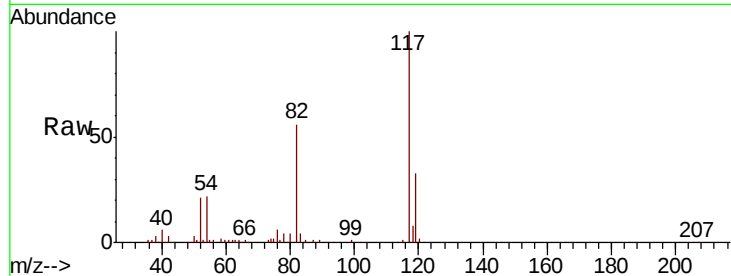




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW005844.D
Acq: 04 Oct 2018 08:47

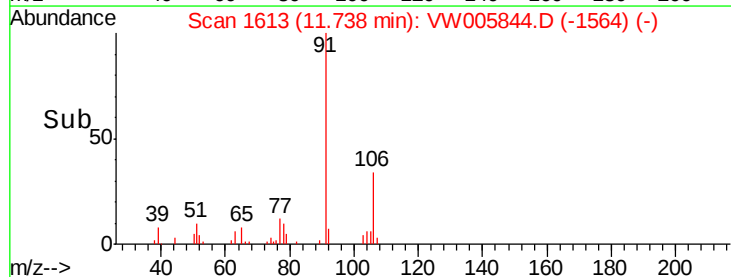
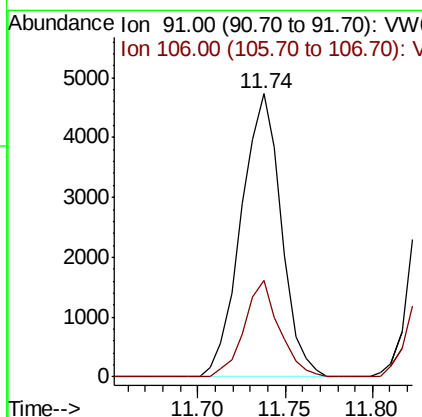
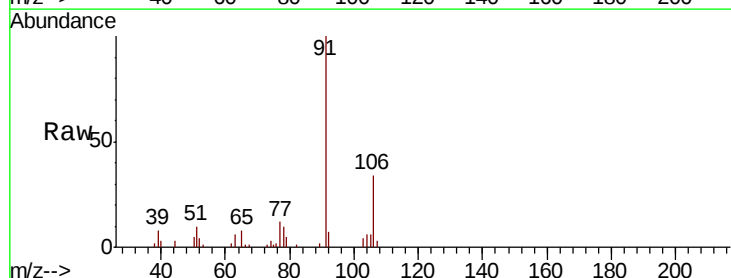
Instrument :
MSVOA_W
ClientSampleId :
OR-02-100118-ARE

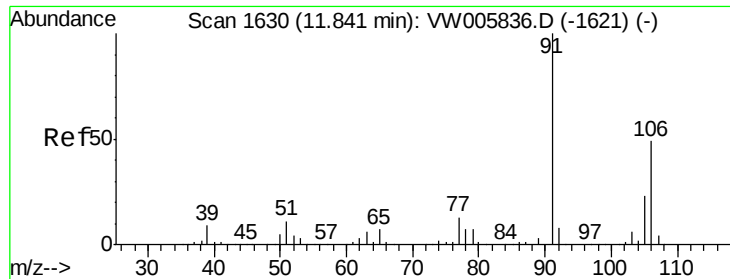
Tot Ion:117 Resp: 91820
Ion Ratio Lower Upper
117 100
82 55.7 45.6 68.4
119 32.6 25.0 37.6



#67
Ethyl Benzene
Concen: 2.201 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005844.D
Acq: 04 Oct 2018 08:47

Tgt Ion: 91 Resp: 7566
Ion Ratio Lower Upper
91 100
106 34.2 24.3 36.5

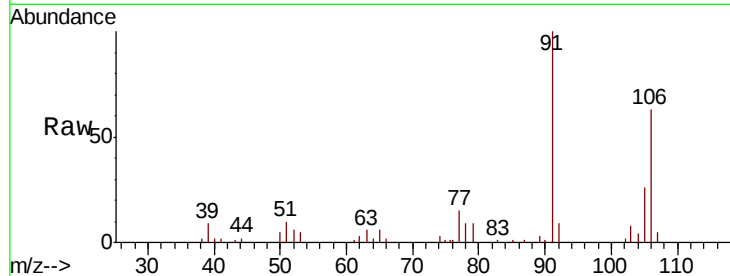




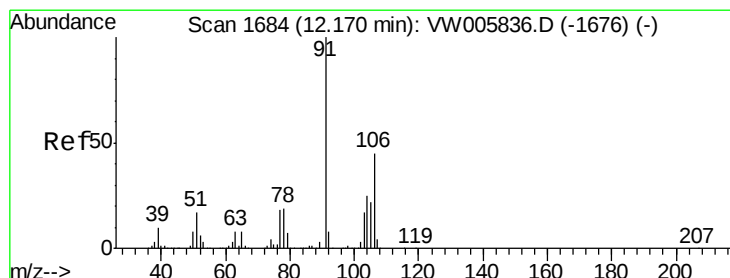
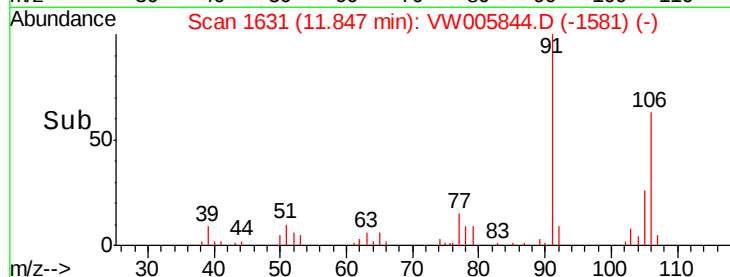
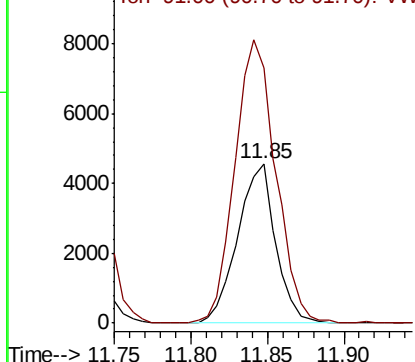
#68
m/p-Xylenes
Concen: 5.910 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW005844.D
Acq: 04 Oct 2018 08:47

Instrument :
MSVOA_W
ClientSampleId :
OR-02-100118-ARE

Tot Ion:106 Resp: 7829
Ion Ratio Lower Upper
106 100
91 192.2 165.4 248.0

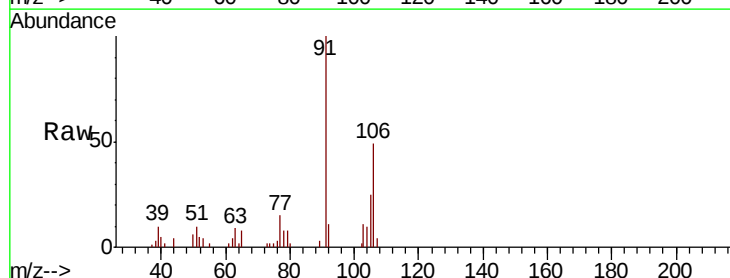


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

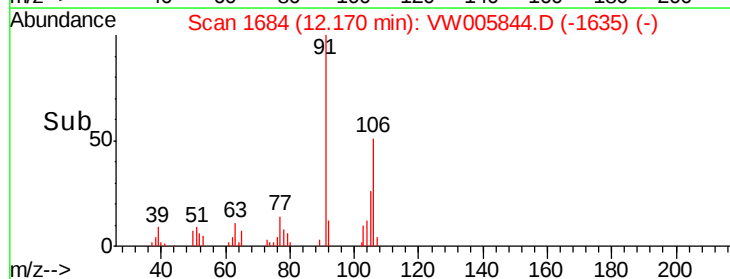
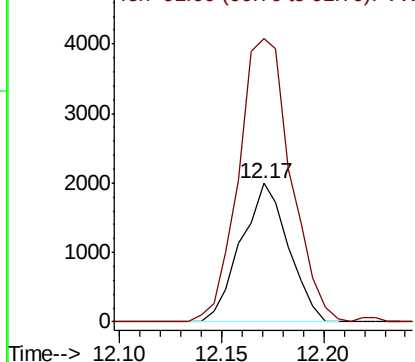


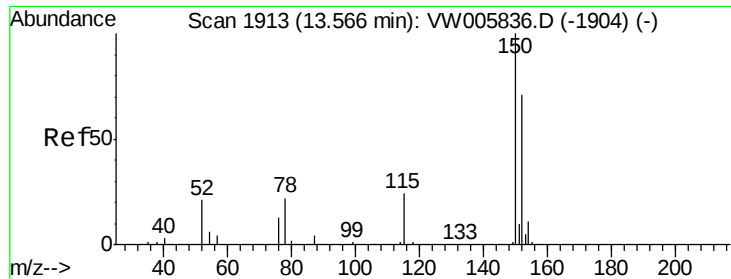
#69
o-Xylene
Concen: 2.609 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005844.D
Acq: 04 Oct 2018 08:47

Tgt Ion:106 Resp: 3213
Ion Ratio Lower Upper
106 100
91 225.8 109.7 329.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005844.D

Acq: 04 Oct 2018 08:47

Instrument :

MSVOA_W

ClientSampleId :

OR-02-100118-ARE

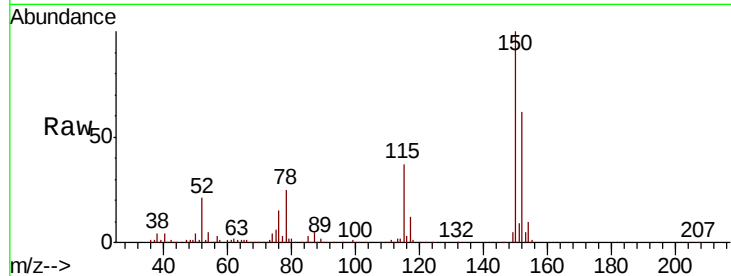
Tot Ion:152 Resp: 61187

Ion Ratio Lower Upper

152 100

115 58.4 29.8 89.4

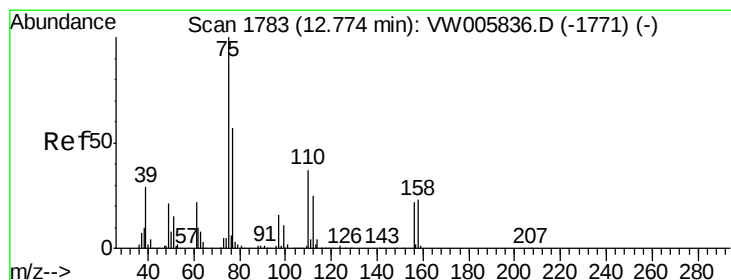
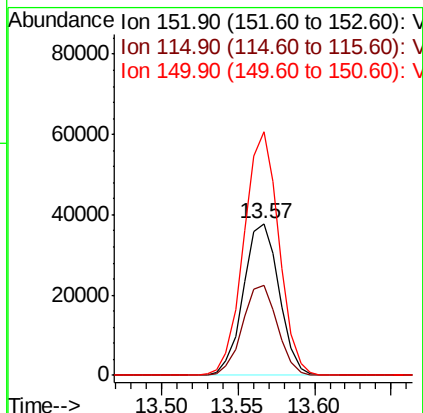
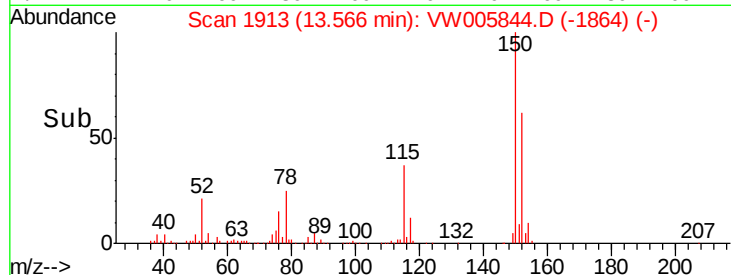
150 157.5 0.0 349.4



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: 63.711 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005844.D

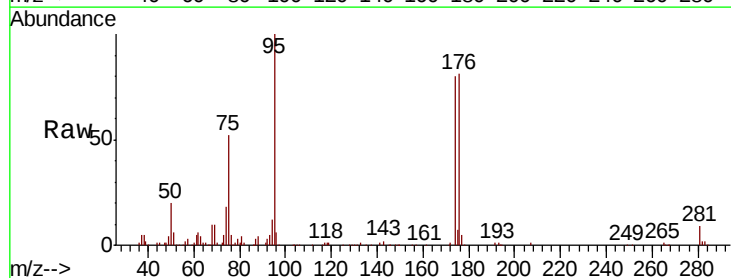
Acq: 04 Oct 2018 08:47

Tgt Ion: 75 Resp: 35428

Ion Ratio Lower Upper

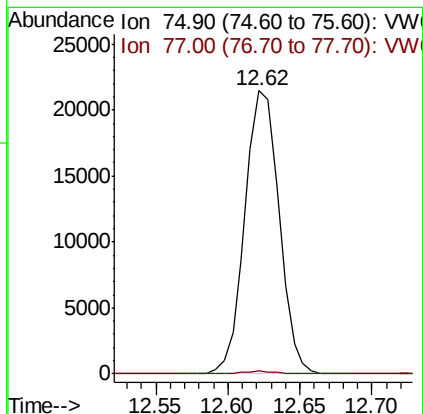
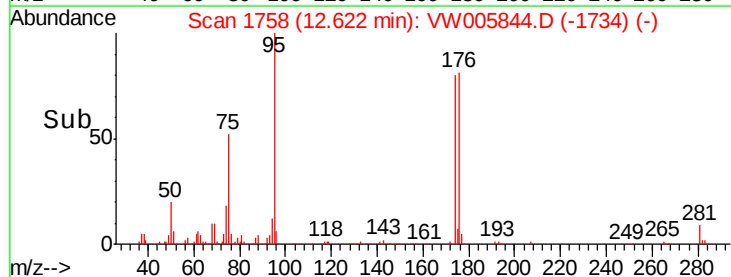
75 100

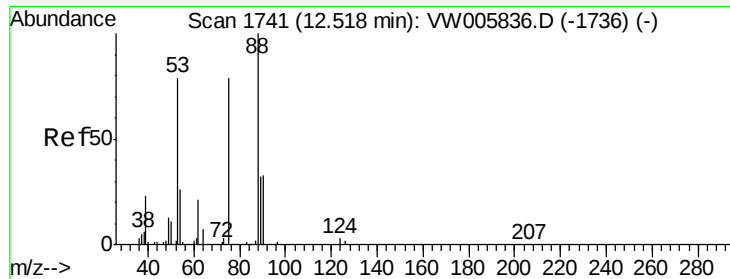
77 1.0 0.0 0.0#



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: 161.049 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005844.D

Acq: 04 Oct 2018 08:47

Instrument :

MSVOA_W

ClientSampleId :

OR-02-100118-ARE

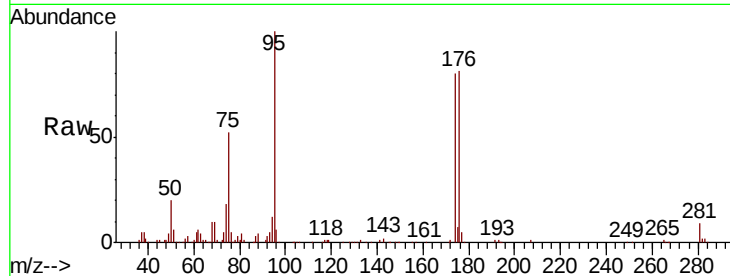
Tot Ion: 75 Resp: 35428

Ion Ratio Lower Upper

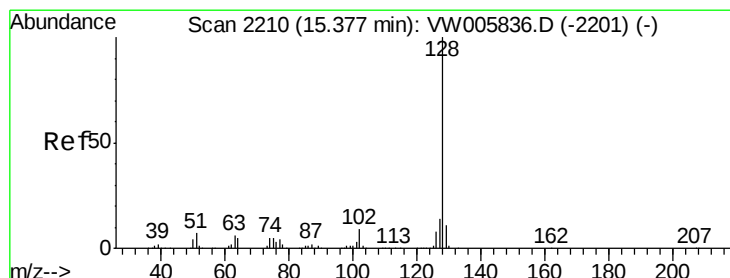
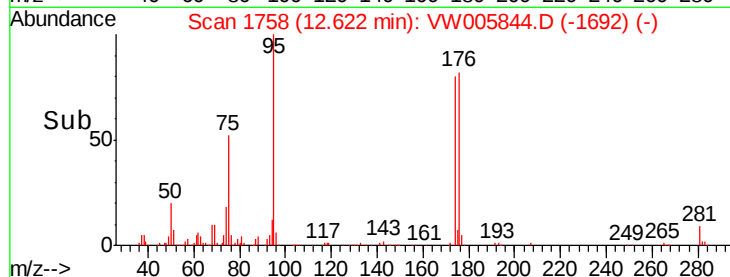
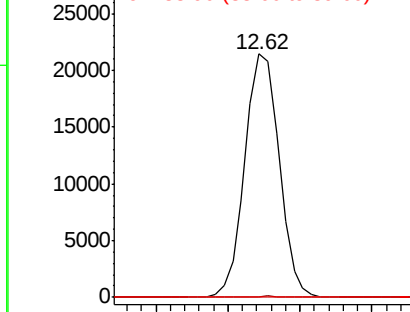
75 100

53 0.2 83.7 125.5#

89 0.0 37.5 56.3#



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



#95

Naphthalene

Concen: 5.241 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005844.D

Acq: 04 Oct 2018 08:47

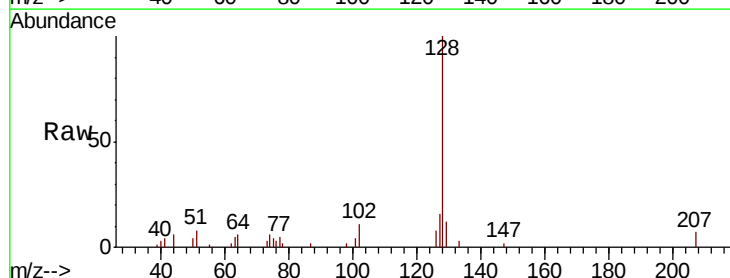
Tgt Ion: 128 Resp: 8179

Ion Ratio Lower Upper

128 100

127 15.5 10.9 16.3

129 11.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

