

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062818\
 Data File : VW003645.D
 Acq On : 28 Jun 2018 18:07
 Operator : SY/AP
 Sample : J3732-02
 Misc : 5.35G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 29 06:45:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	140516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	231765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	199697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	83985	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	70181	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
35) Dibromofluoromethane	7.88	113	62241	43.22	ug/l	0.00
Spiked Amount			Recovery	=	86.44%	
50) Toluene-d8	10.33	98	181543	31.79	ug/l	0.00
Spiked Amount			Recovery	=	63.58%	
62) 4-Bromofluorobenzene	12.63	95	62358	30.86	ug/l	0.00
Spiked Amount			Recovery	=	61.72%	

Target Compounds

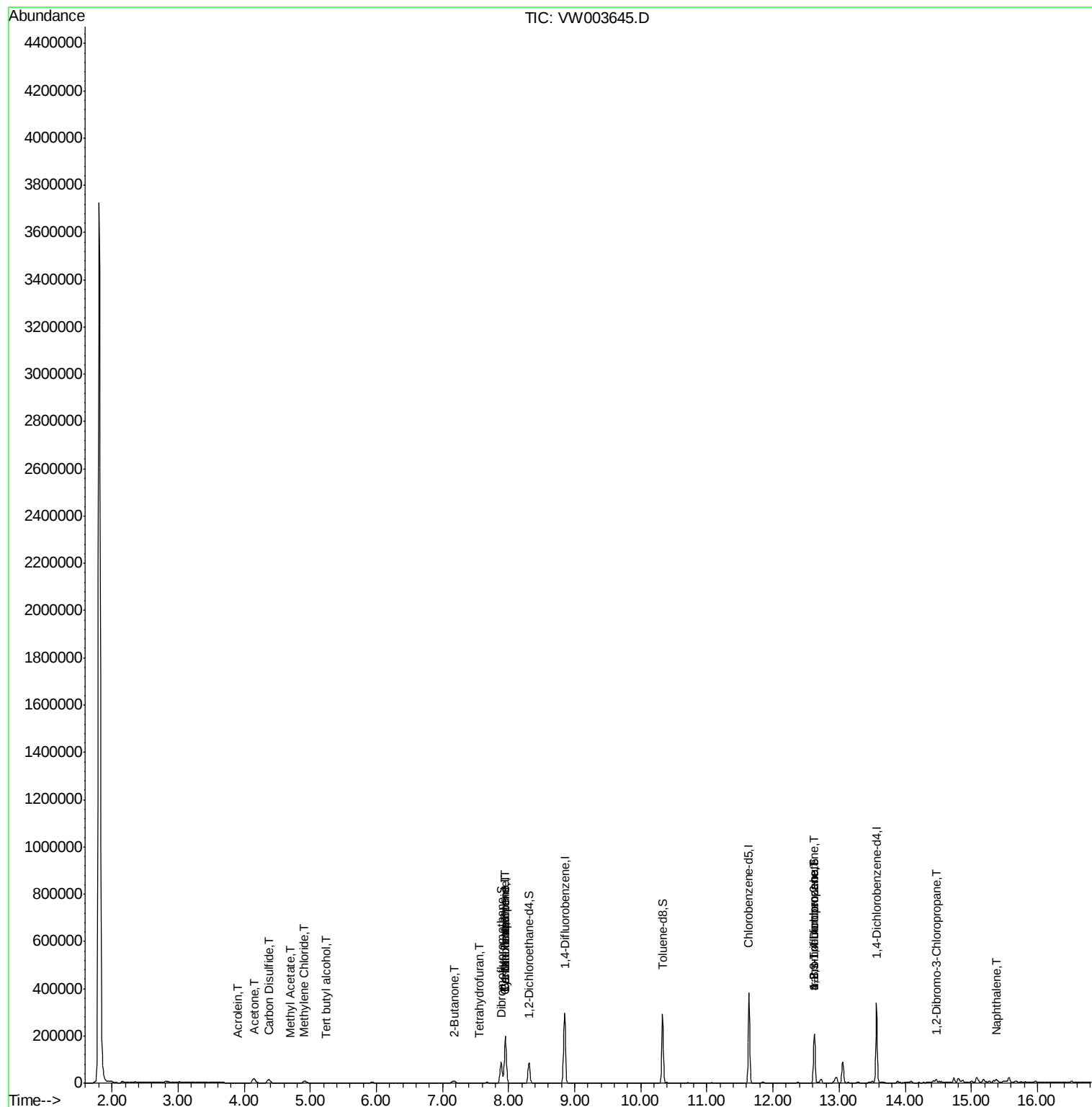
					Qvalue	
11) Tert butyl alcohol	5.25	59	148	1.813	ug/l #	84
13) Acrolein	3.90	56	586	5.021	ug/l	83
16) Acetone	4.15	43	39384	123.380	ug/l	99
17) Carbon Disulfide	4.37	76	37984	10.101	ug/l	99
18) Methyl Acetate	4.68	43	853	1.126	ug/l #	52
20) Methylene Chloride	4.90	84	6394	1.127	ug/l	99
25) 2-Butanone	7.18	43	5557	14.000	ug/l	94
29) Tetrahydrofuran	7.55	42	425	1.752	ug/l #	35
31) Cyclohexane	7.94	56	3853	1.567	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	12164	5.435	ug/l #	49
38) Carbon Tetrachloride	7.95	117	14009	6.381	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	34511	48.067	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	34511	110.605	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.46	75	180	1.082	ug/l #	4
95) Naphthalene	15.38	128	9054	3.106	ug/l	96

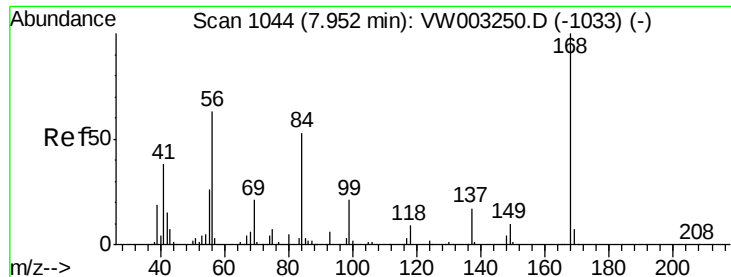
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003645.D

Acq: 28 Jun 2018 18:07

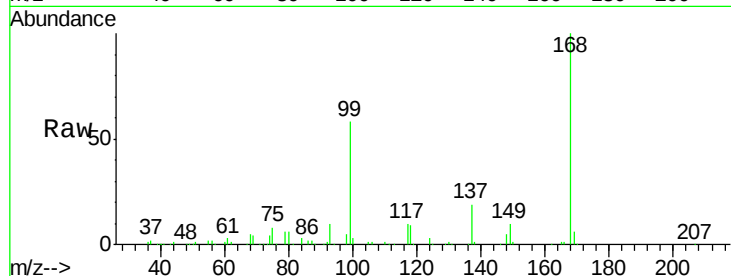
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 140516

Ion Ratio Lower Upper

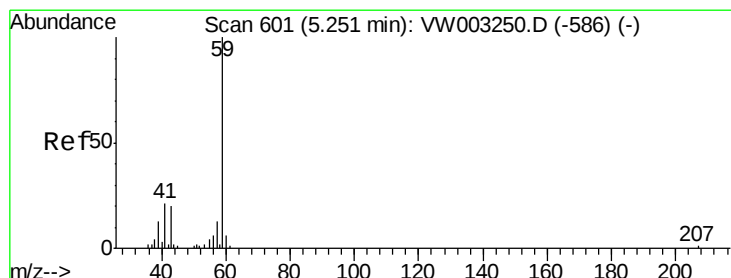
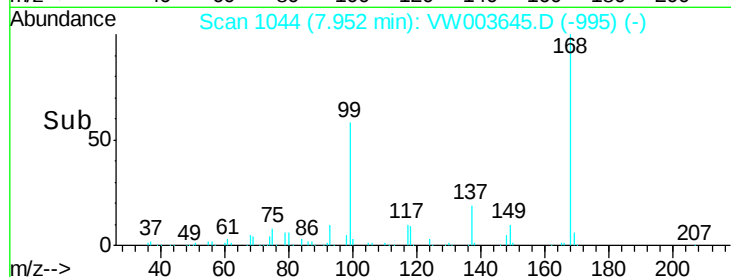
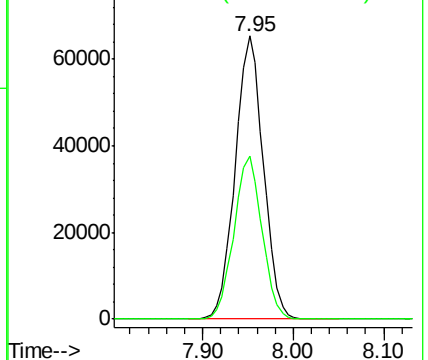
168 100

99 57.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.813 ug/l

RT: 5.25 min Scan# 601

Delta R.T. 0.00 min

Lab File: VW003645.D

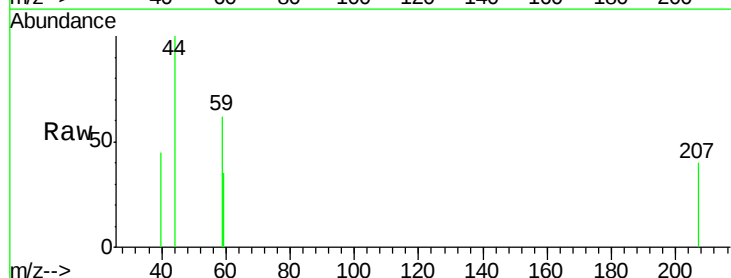
Acq: 28 Jun 2018 18:07

Tgt Ion: 59 Resp: 148

Ion Ratio Lower Upper

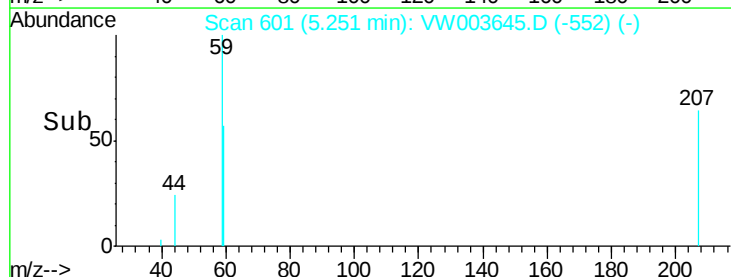
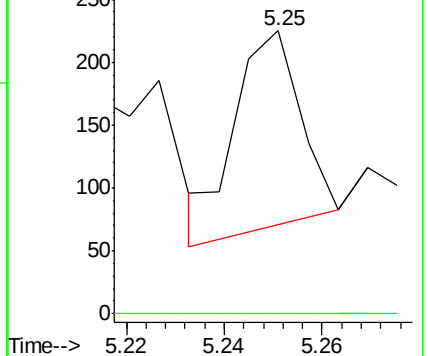
59 100

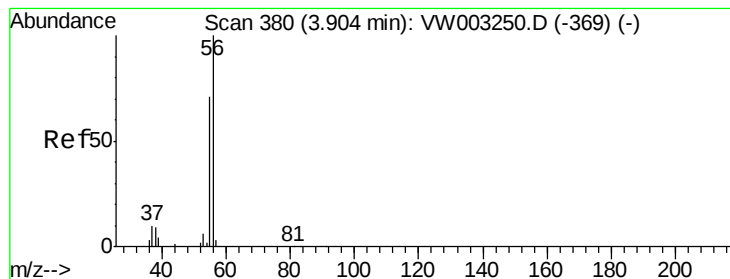
57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 5.021 ug/l

RT: 3.90 min Scan# 380

Delta R.T. 0.00 min

Lab File: VW003645.D

Acq: 28 Jun 2018 18:07

Instrument :

MSVOA_W

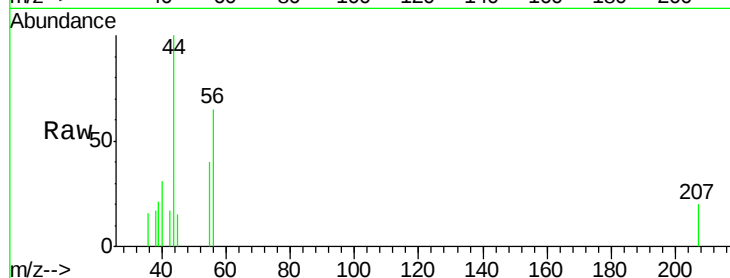
ClientSampleId :

Tot Ion: 56 Resp: 586

Ion Ratio Lower Upper

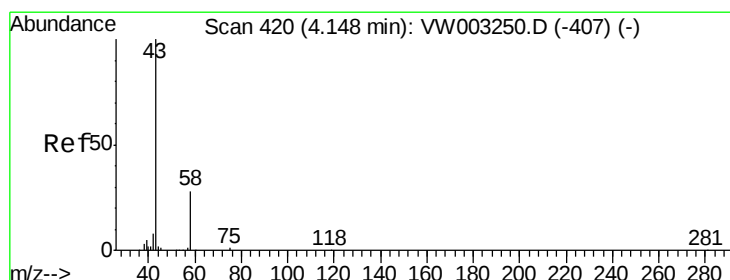
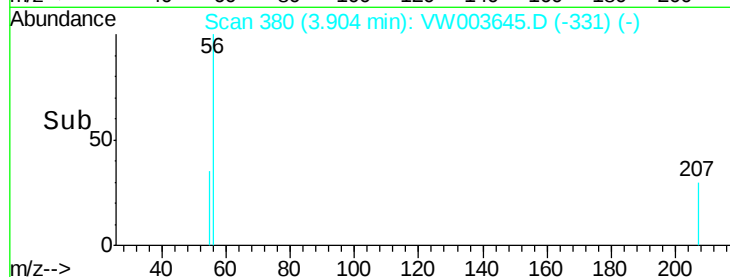
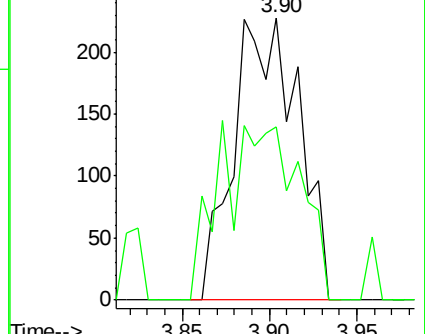
56 100

55 55.6 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 123.380 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003645.D

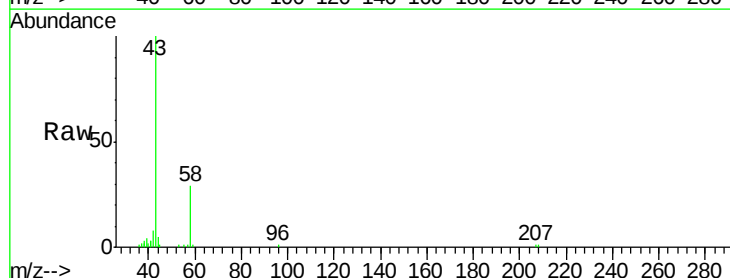
Acq: 28 Jun 2018 18:07

Tgt Ion: 43 Resp: 39384

Ion Ratio Lower Upper

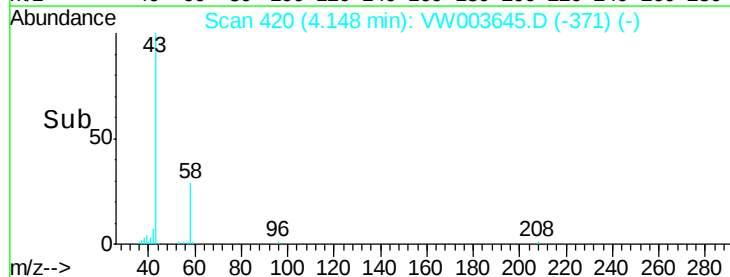
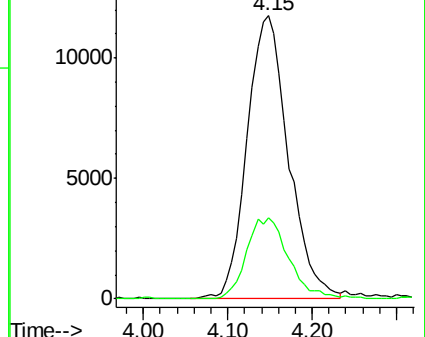
43 100

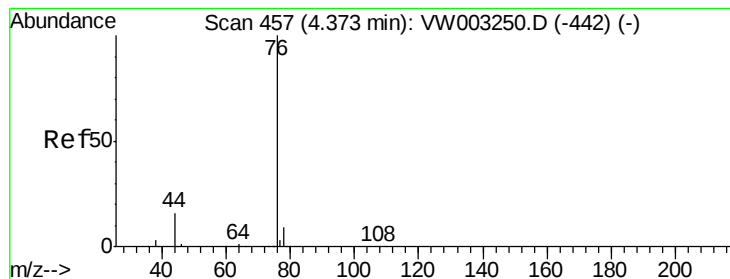
58 28.7 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 10.101 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003645.D

Acq: 28 Jun 2018 18:07

Instrument :

MSVOA_W

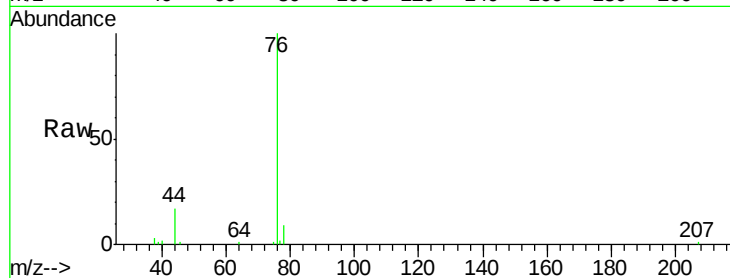
ClientSampled :

Tot Ion: 76 Resp: 37984

Ion Ratio Lower Upper

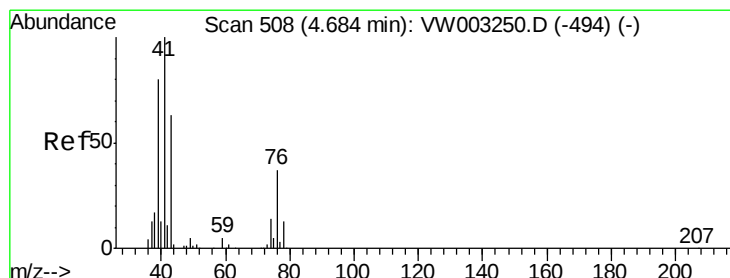
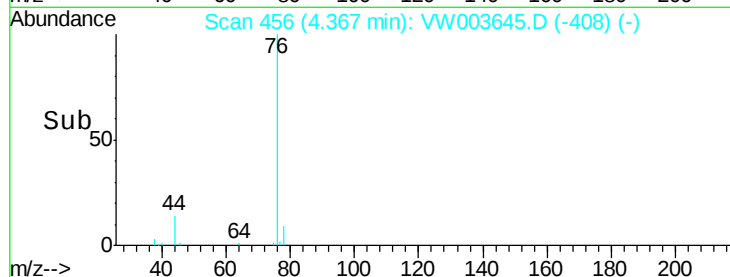
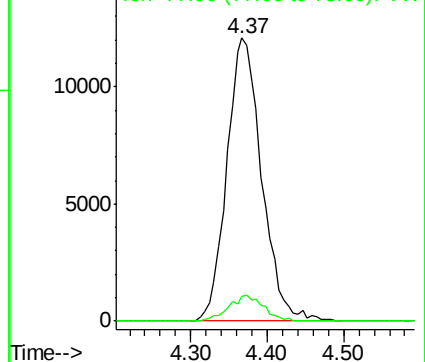
76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 1.126 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.00 min

Lab File: VW003645.D

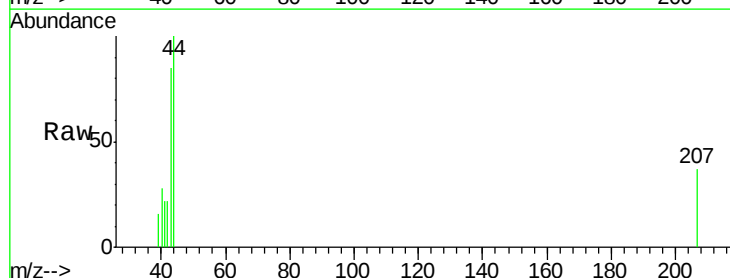
Acq: 28 Jun 2018 18:07

Tgt Ion: 43 Resp: 853

Ion Ratio Lower Upper

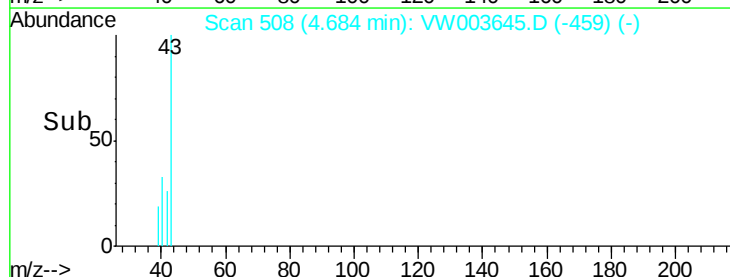
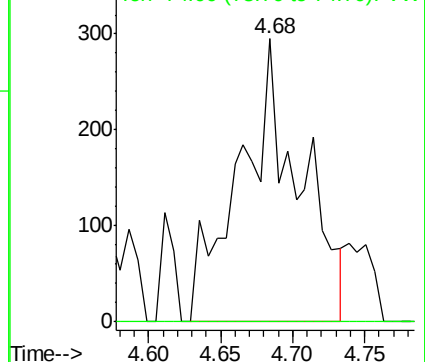
43 100

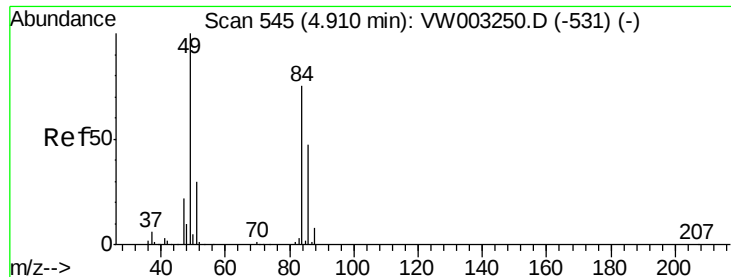
74 0.0 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

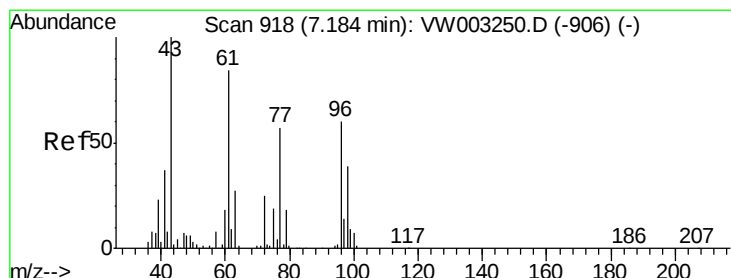
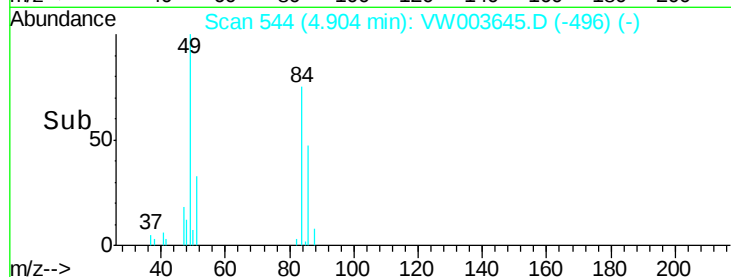
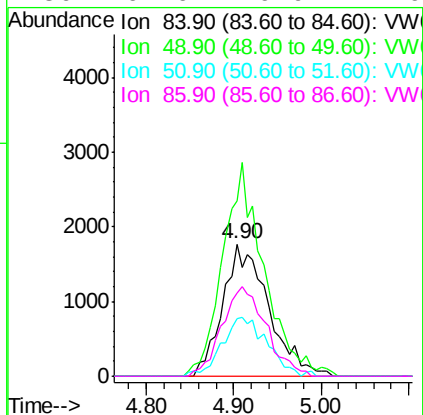
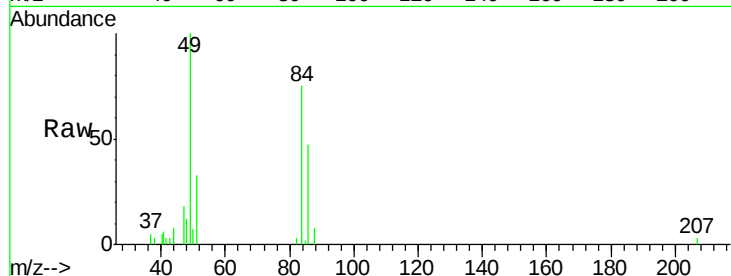




#20
Methvlene Chloride
Concen: 1.127 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003645.D
Acq: 28 Jun 2018 18:07

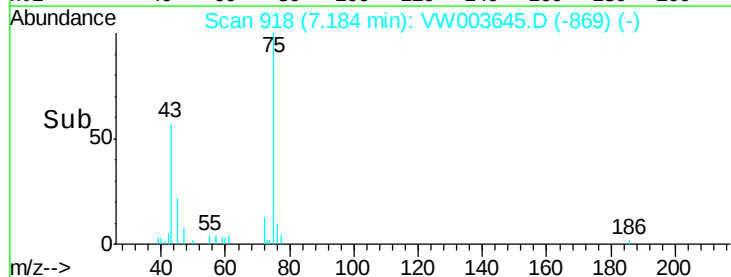
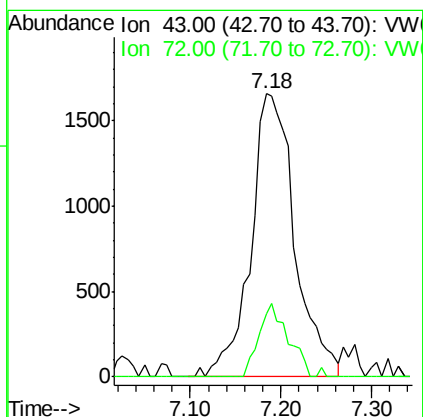
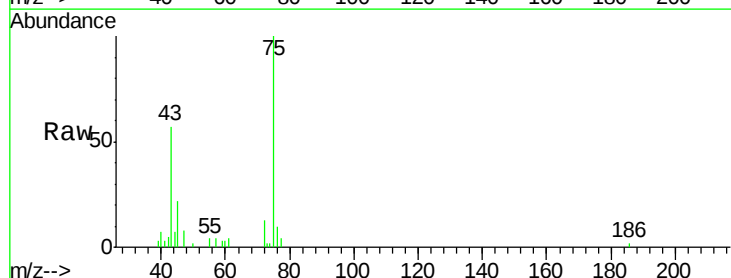
Instrument :
MSVOA_W
ClientSampled :

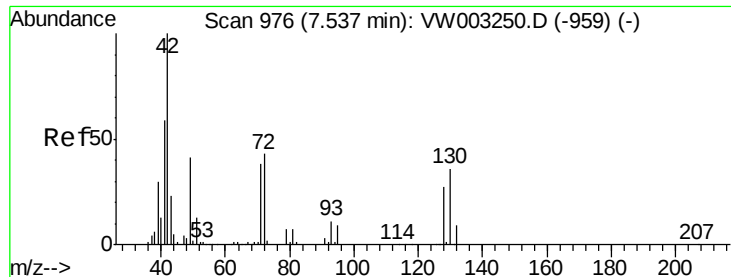
Tot Ion: 84 Resp: 6394
Ion Ratio Lower Upper
84 100
49 132.7 106.3 159.5
51 43.3 32.0 48.0
86 62.6 49.9 74.9



#25
2-Butanone
Concen: 14.000 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.00 min
Lab File: VW003645.D
Acq: 28 Jun 2018 18:07

Tgt Ion: 43 Resp: 5557
Ion Ratio Lower Upper
43 100
72 22.3 20.3 30.5

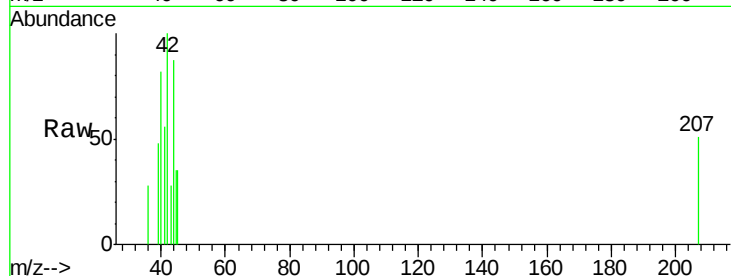




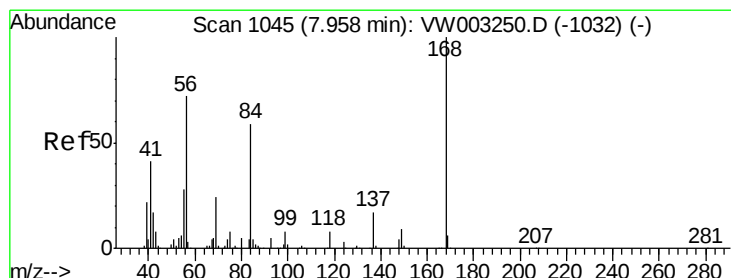
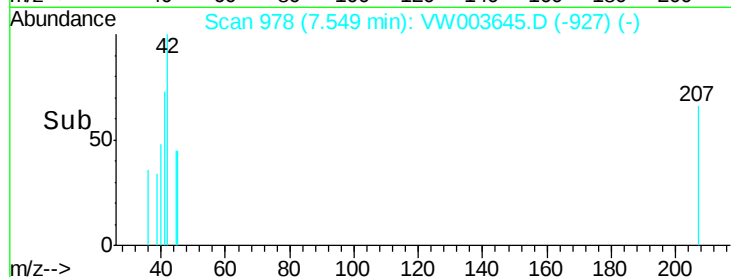
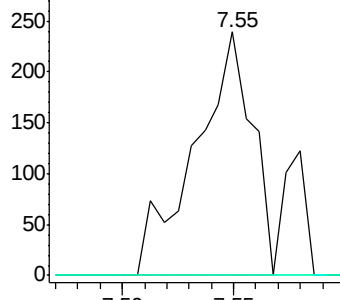
#29
Tetrahydrofuran
Concen: 1.752 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.01 min
Lab File: VW003645.D
Acq: 28 Jun 2018 18:07

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 425
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 0.0 31.2 46.8#

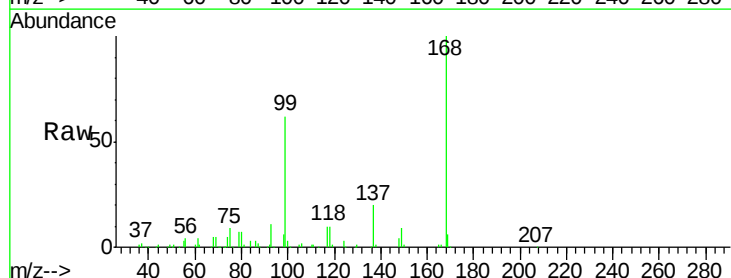


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

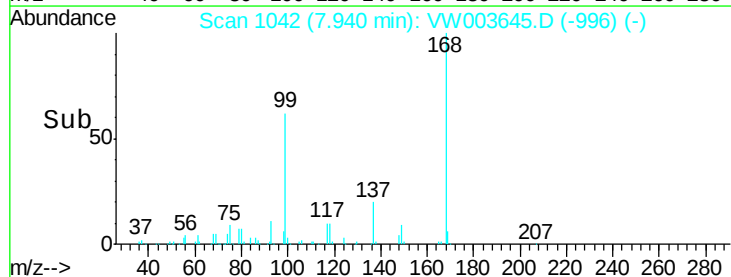
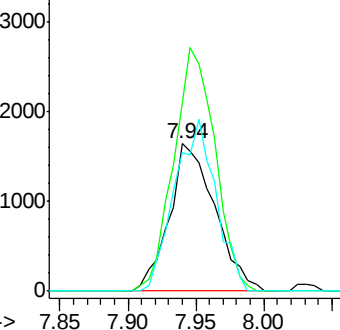


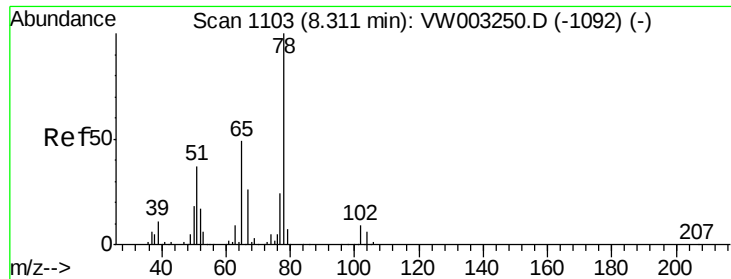
#31
Cyclohexane
Concen: 1.567 ug/l
RT: 7.94 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VW003645.D
Acq: 28 Jun 2018 18:07

Tgt Ion: 56 Resp: 3853
Ion Ratio Lower Upper
56 100
69 127.8 26.3 39.5#
84 93.9 65.7 98.5



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: 46.111 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003645.D

Acq: 28 Jun 2018 18:07

Instrument :

MSVOA_W

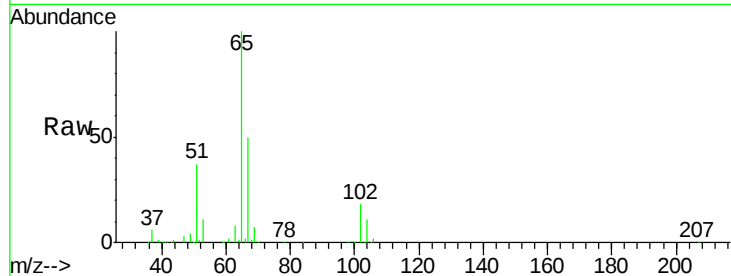
ClientSampleId :

Tot Ion: 65 Resp: 70181

Ion Ratio Lower Upper

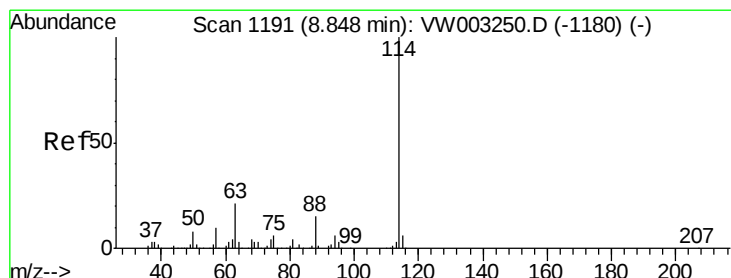
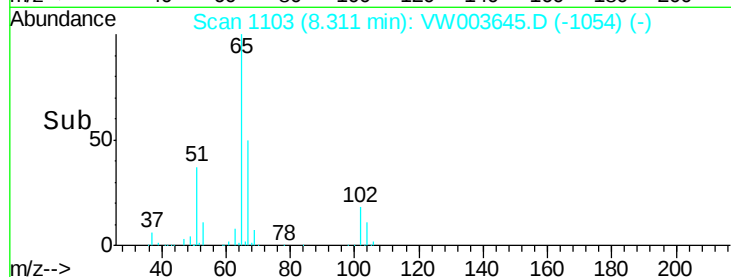
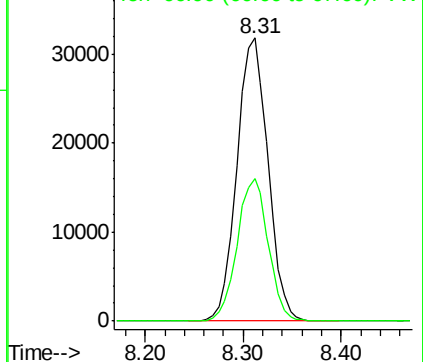
65 100

67 50.2 0.0 104.2



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: VW003645.D

Acq: 28 Jun 2018 18:07

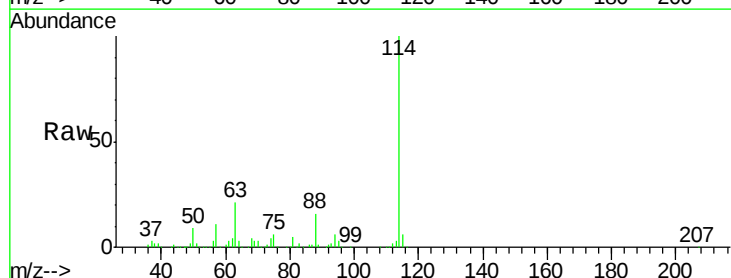
Tgt Ion: 114 Resp: 231765

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.0

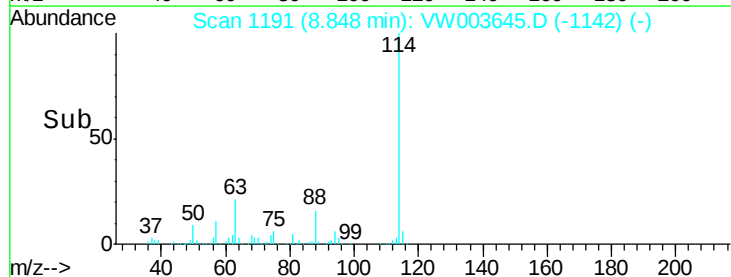
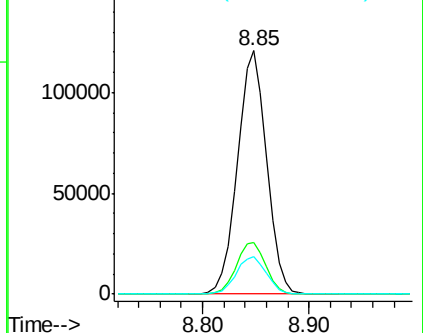
88 15.6 0.0 29.6

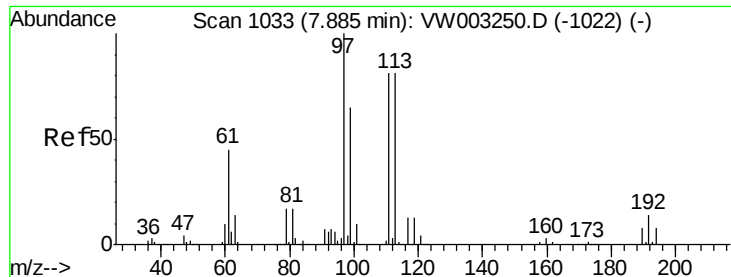


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

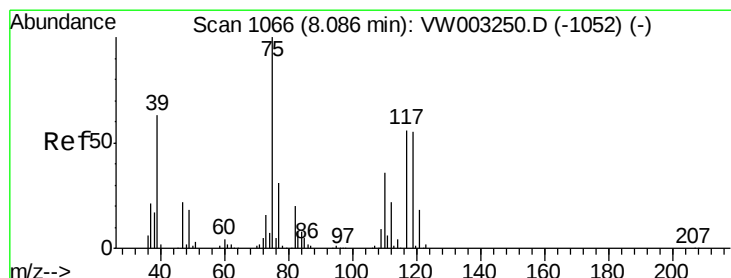
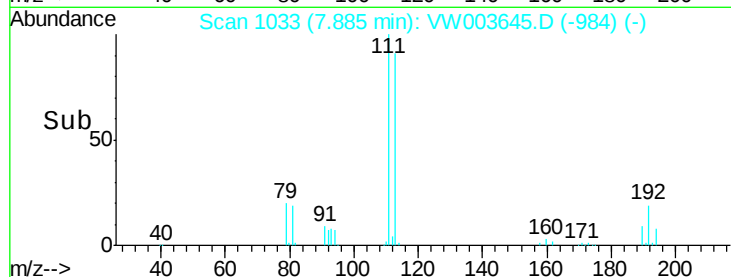
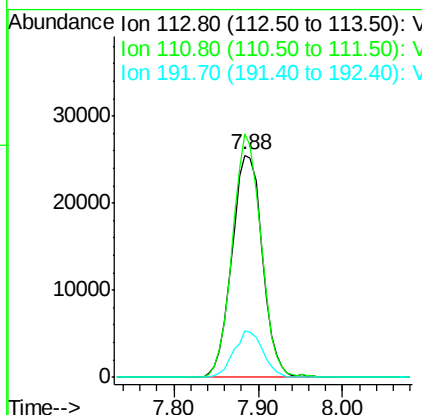
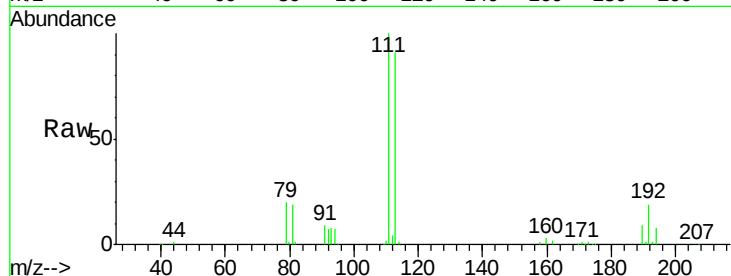




#35
 Dibromofluoromethane
 Concen: 43.219 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003645.D
 Acq: 28 Jun 2018 18:07

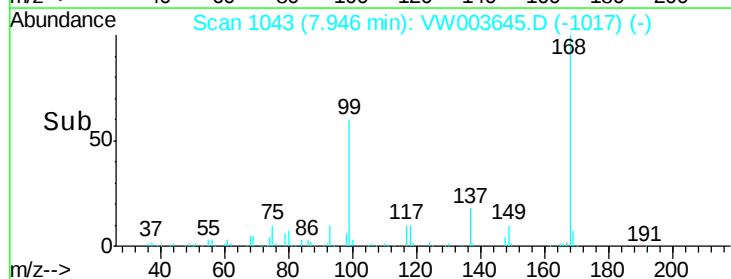
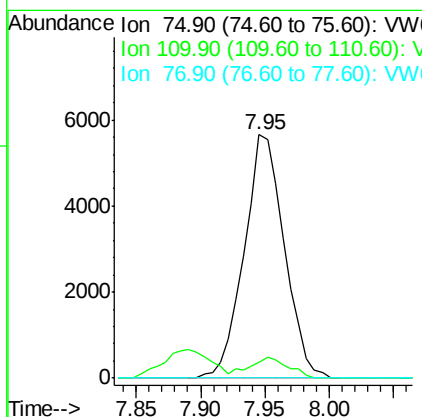
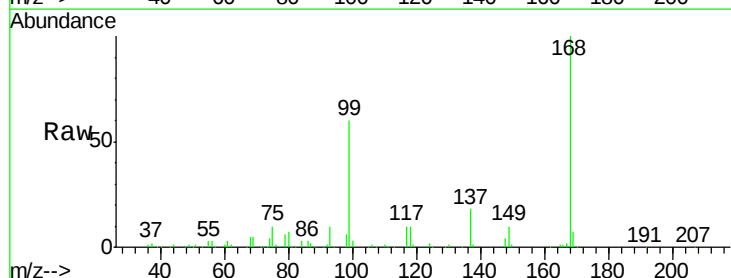
Instrument :
 MSVOA_W
 ClientSampleId :

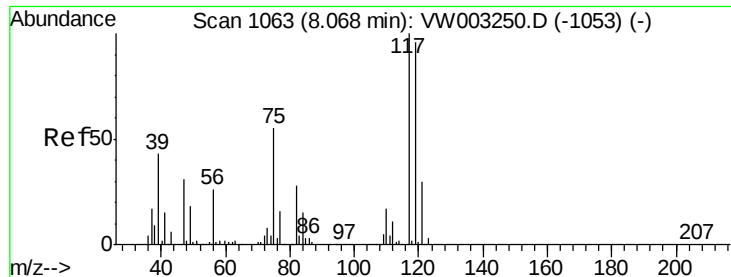
Tot Ion:113 Resp: 62241
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.2
 192 20.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.435 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.14 min
 Lab File: VW003645.D
 Acq: 28 Jun 2018 18:07

Tgt Ion: 75 Resp: 12164
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.1 51.3#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.381 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003645.D

Acq: 28 Jun 2018 18:07

Instrument :

MSVOA_W

ClientSampled :

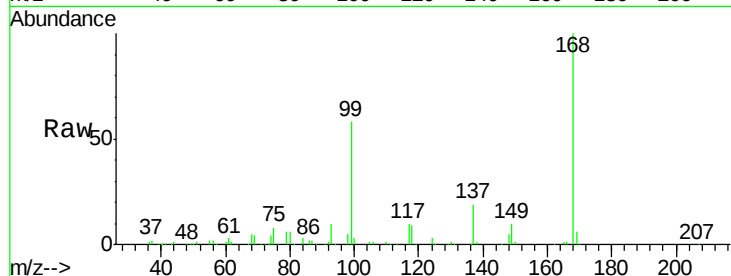
Tot Ion:117 Resp: 14009

Ion Ratio Lower Upper

117 100

119 4.0 76.6 115.0#

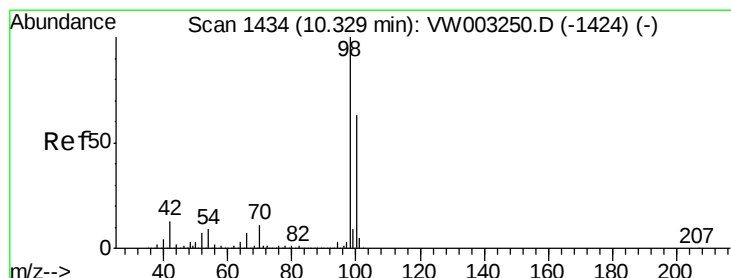
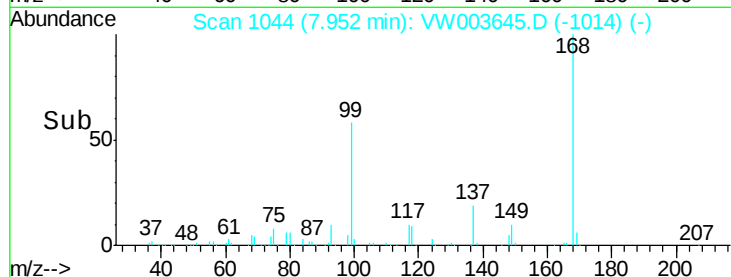
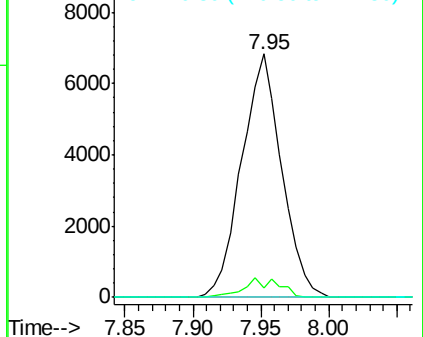
121 0.0 23.9 35.9#



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: 31.792 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003645.D

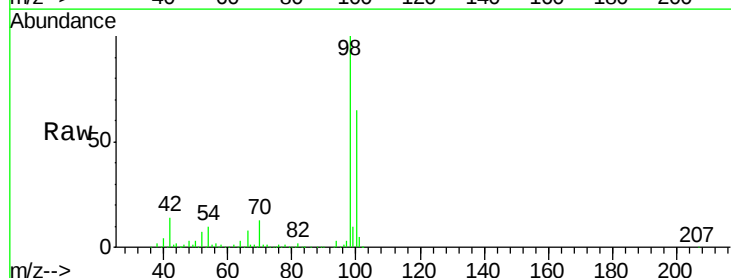
Acq: 28 Jun 2018 18:07

Tgt Ion: 98 Resp: 181543

Ion Ratio Lower Upper

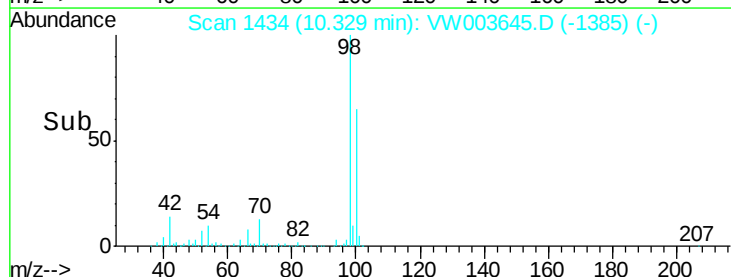
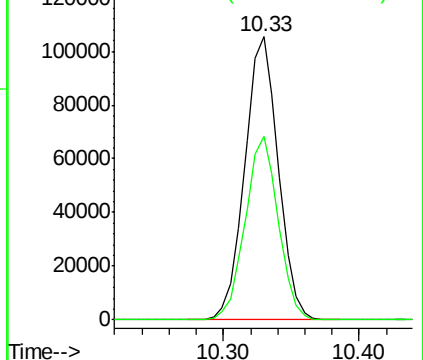
98 100

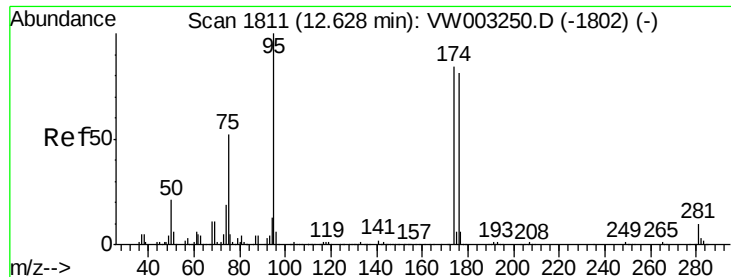
100 63.7 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

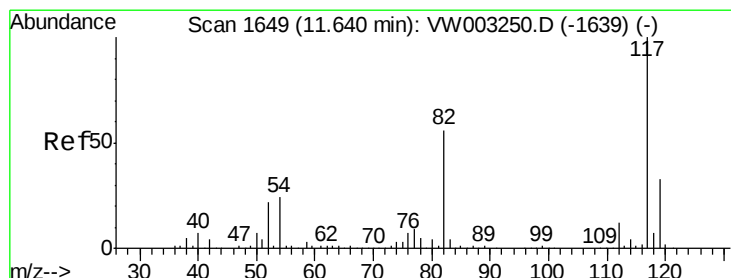
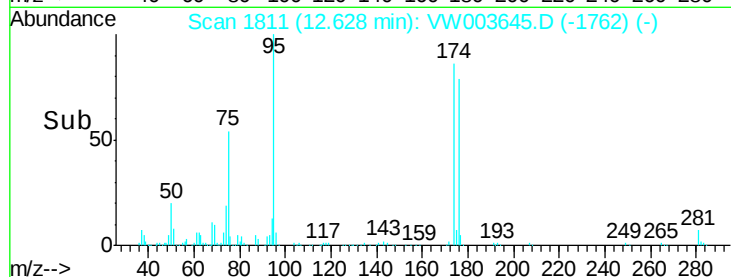
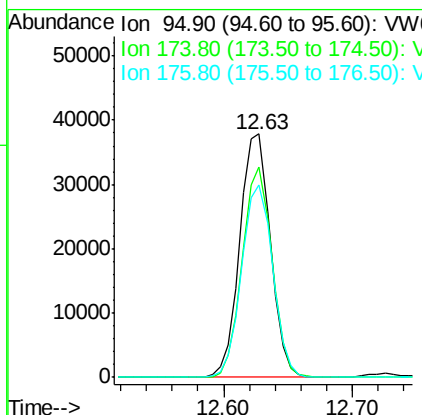
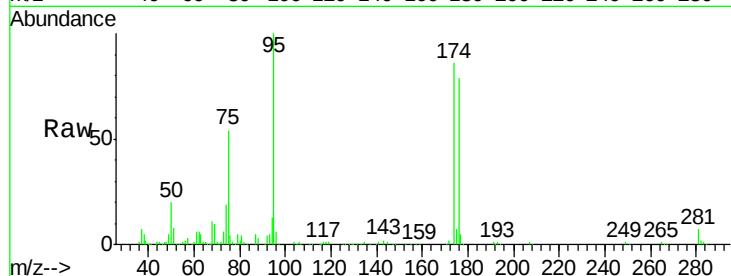




#62
4-Bromofluorobenzene
Concen: 30.857 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003645.D
Acq: 28 Jun 2018 18:07

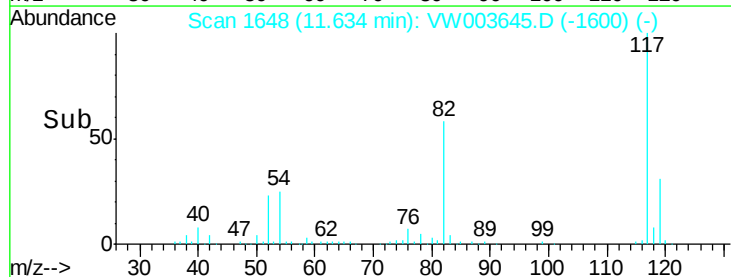
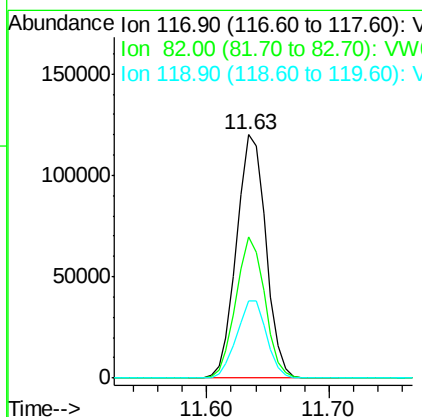
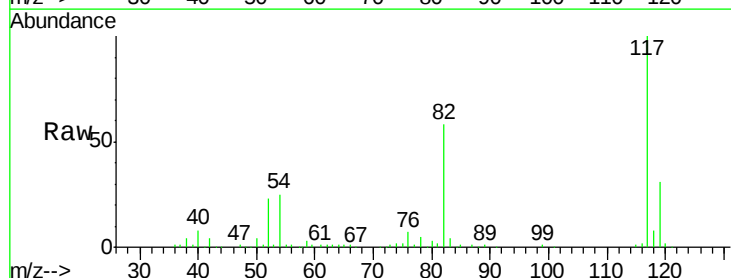
Instrument :
MSVOA_W
ClientSampleId :

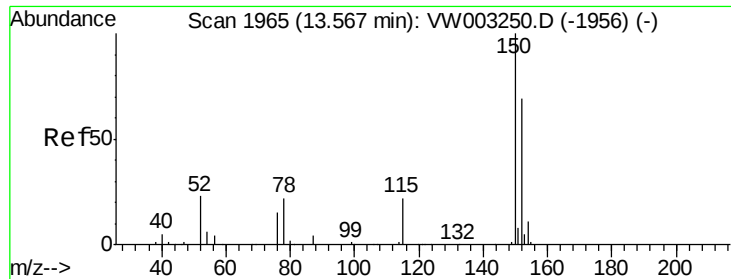
Tot Ion: 95 Resp: 62358
Ion Ratio Lower Upper
95 100
174 83.6 0.0 166.4
176 79.8 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003645.D
Acq: 28 Jun 2018 18:07

Tgt Ion: 117 Resp: 199697
Ion Ratio Lower Upper
117 100
82 58.2 44.6 67.0
119 31.5 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003645.D

Acq: 28 Jun 2018 18:07

Instrument :

MSVOA_W

ClientSampled :

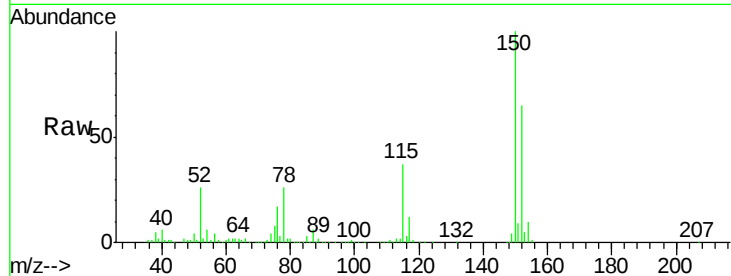
Tot Ion:152 Resp: 83985

Ion Ratio Lower Upper

152 100

115 58.5 29.3 88.0

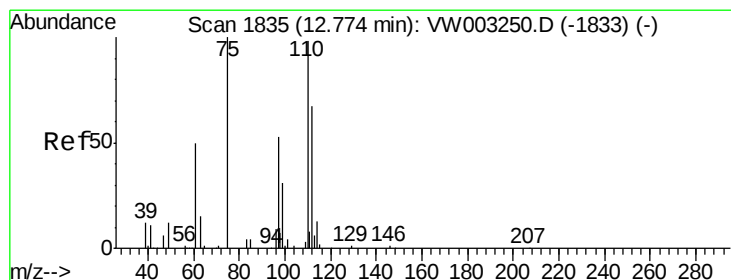
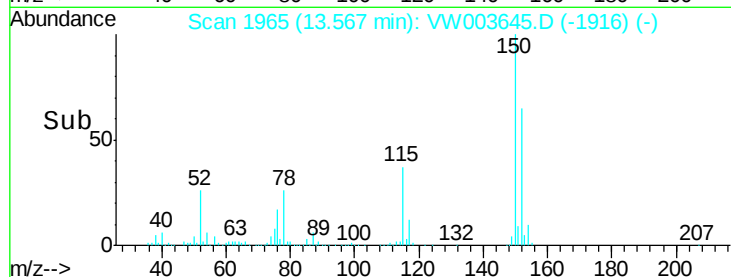
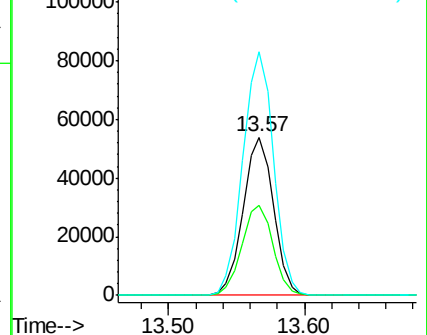
150 155.9 0.0 349.6



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: 48.067 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003645.D

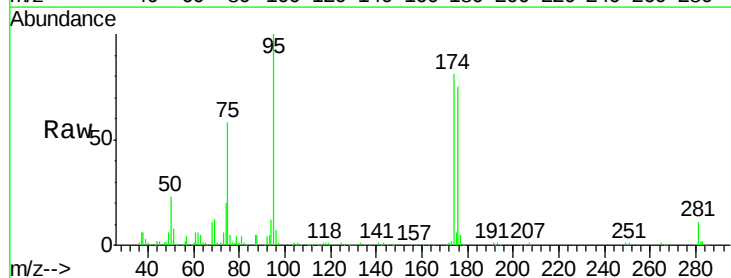
Acq: 28 Jun 2018 18:07

Tgt Ion: 75 Resp: 34511

Ion Ratio Lower Upper

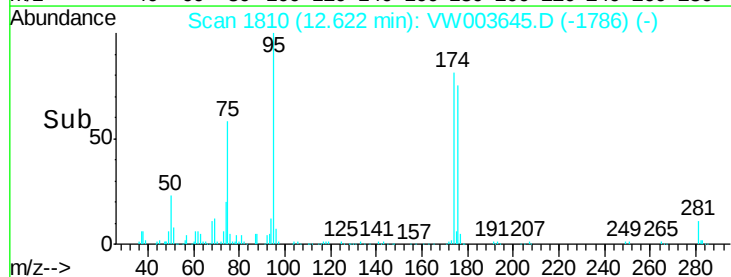
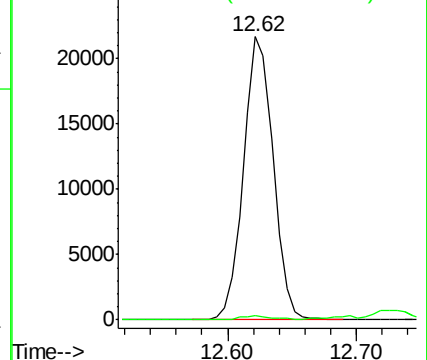
75 100

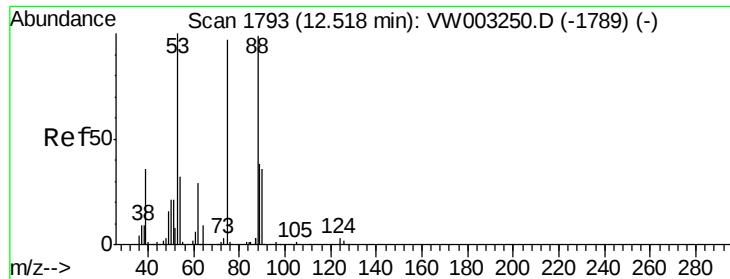
77 1.5 0.0 0.0#



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: 110.605 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003645.D

Acq: 28 Jun 2018 18:07

Instrument :

MSVOA_W

ClientSampleId :

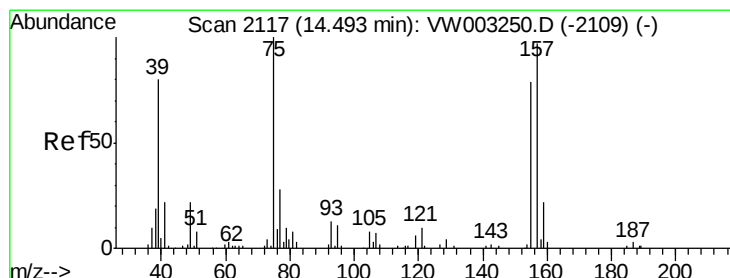
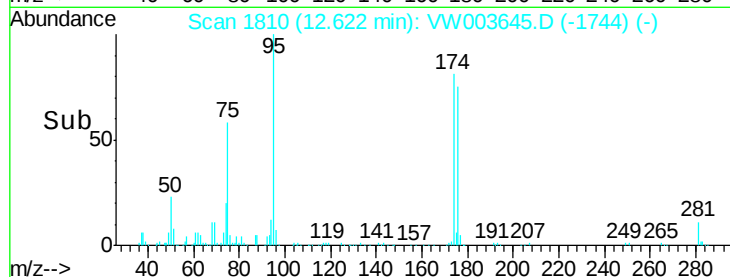
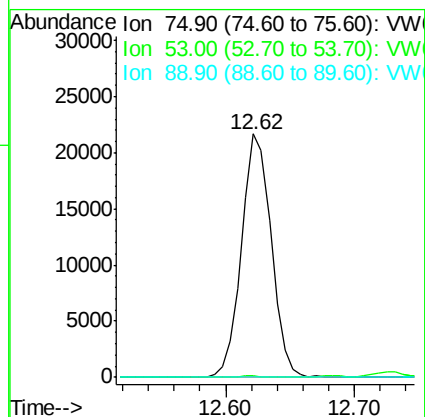
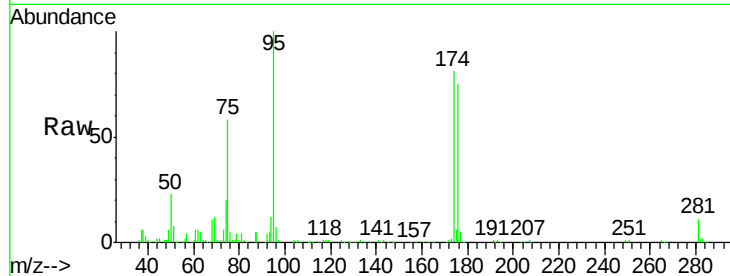
Tot Ion: 75 Resp: 34511

Ion Ratio Lower Upper

75 100

53 0.4 82.9 124.3#

89 0.0 36.7 55.1#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.082 ug/l

RT: 14.46 min Scan# 2112

Delta R.T. -0.03 min

Lab File: VW003645.D

Acq: 28 Jun 2018 18:07

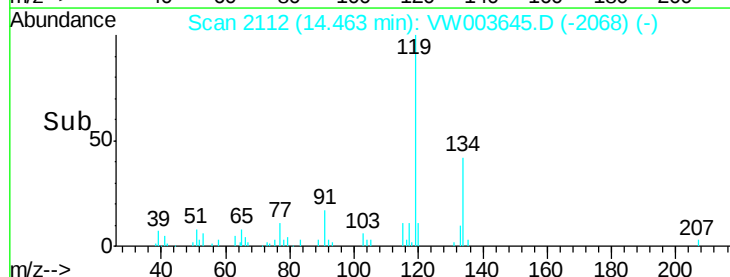
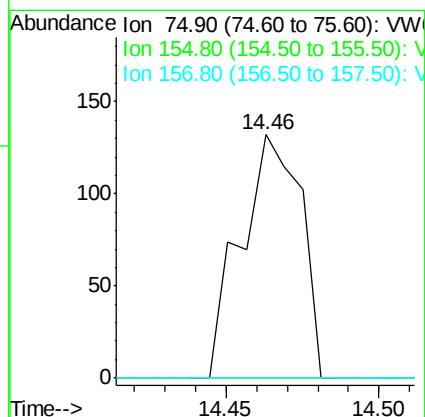
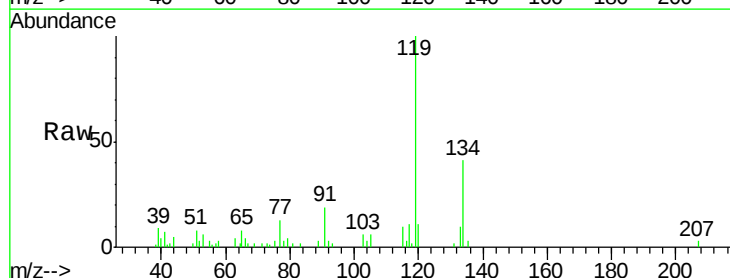
Tgt Ion: 75 Resp: 180

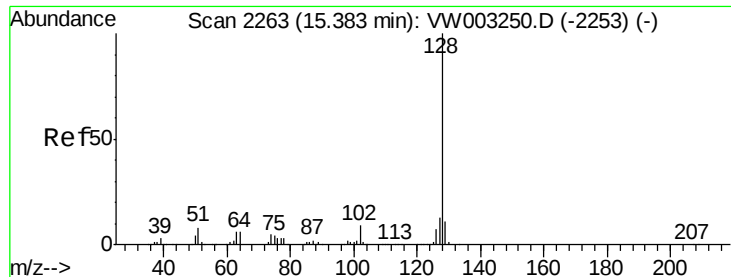
Ion Ratio Lower Upper

75 100

155 0.0 39.4 118.2#

157 0.0 51.5 154.5#





#95

Naphthalene

Concen: 3.106 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

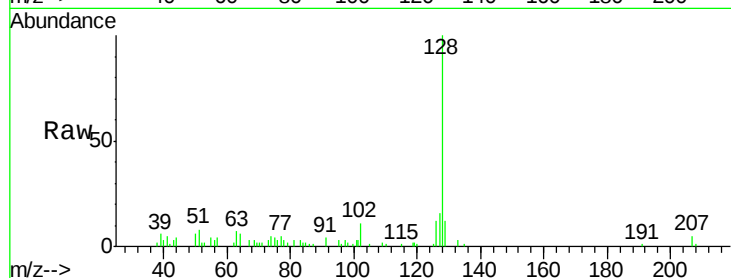
Lab File: VW003645.D

Acq: 28 Jun 2018 18:07

Instrument :

MSVOA_W

ClientSampleId :



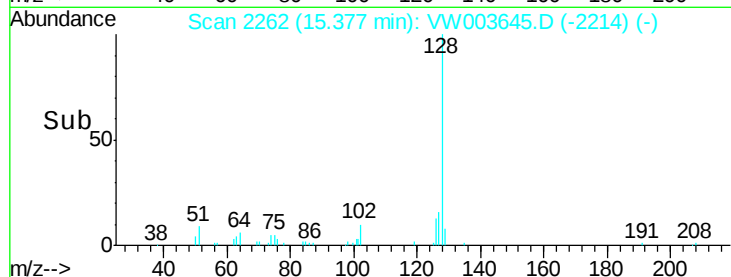
Tot Ion:128 Resp: 9054

Ion Ratio Lower Upper

128 100

127 15.0 10.5 15.7

129 12.1 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

