

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061518\
 Data File : VW003304.D
 Acq On : 15 Jun 2018 20:36
 Operator : SY/AP
 Sample : J3444-05RE
 Misc : 6.26G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 16 03:49:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 08:20:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	147173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	232641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	198991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	88356	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	112522	70.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.18%	
35) Dibromofluoromethane	7.88	113	91599	63.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.74%	
50) Toluene-d8	10.33	98	313025	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
62) 4-Bromofluorobenzene	12.63	95	96962	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	

Target Compounds

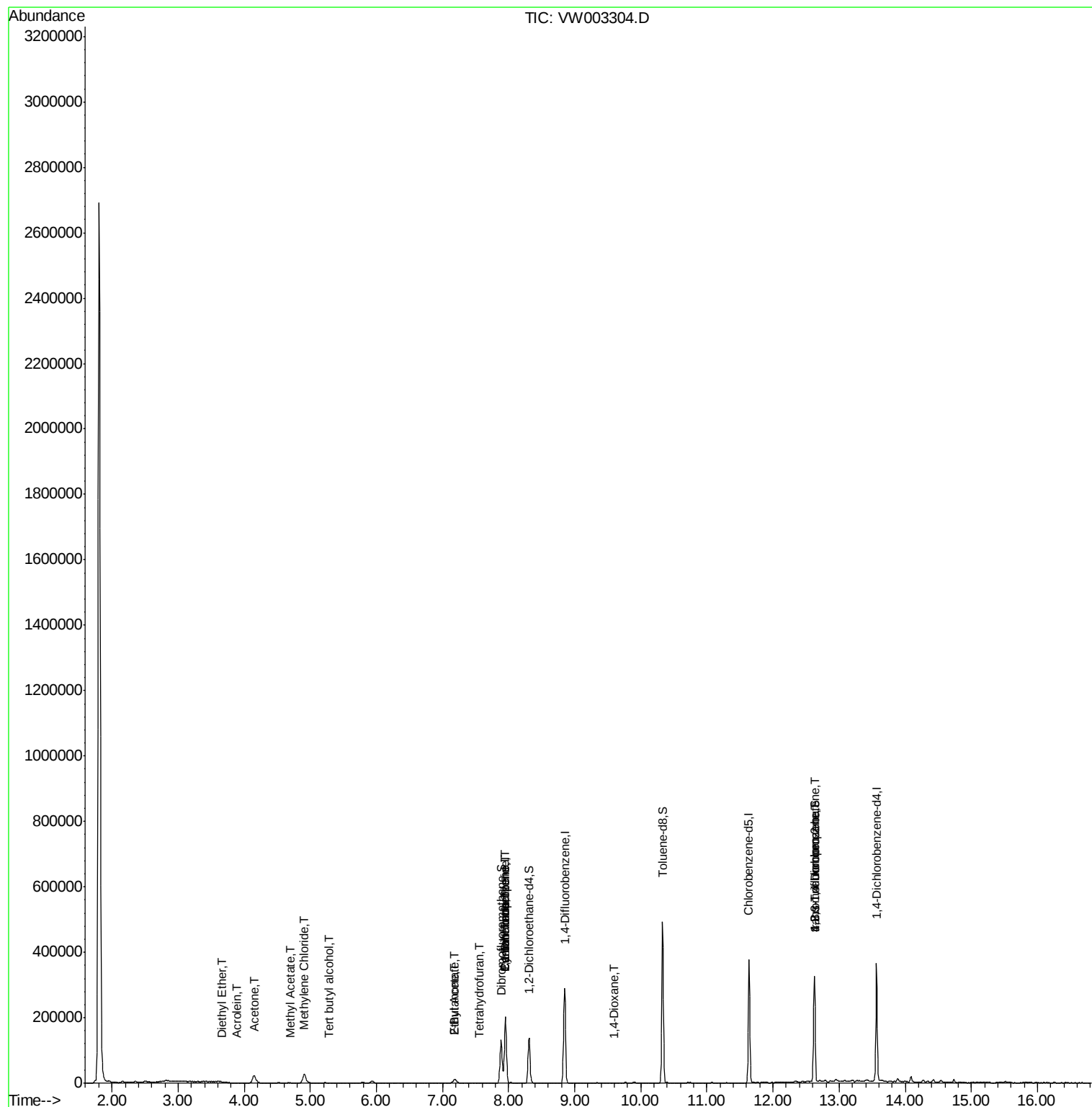
						Qvalue
8) Diethyl Ether	3.67	74	847	1.174	ug/l	72
11) Tert butyl alcohol	5.28	59	2552	29.850	ug/l #	90
13) Acrolein	3.90	56	185	1.514	ug/l #	81
16) Acetone	4.15	43	50151	150.003	ug/l	95
18) Methyl Acetate	4.69	43	2183	2.752	ug/l #	90
20) Methylene Chloride	4.91	84	21947	12.716	ug/l	93
25) 2-Butanone	7.18	43	15296	36.793	ug/l #	87
29) Tetrahydrofuran	7.56	42	584	2.298	ug/l #	70
31) Cyclohexane	7.95	56	3779	1.467	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	12374	5.508	ug/l #	50
37) Ethyl Acetate	7.18	43	15296	16.434	ug/l #	70
38) Carbon Tetrachloride	7.95	117	15299	6.942	ug/l #	16
49) 1,4-Dioxane	9.59	88	20	1.641	ug/l #	45
76) 1,2,3-Trichloropropane	12.63	75	52904	70.040	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	52904	161.166	ug/l #	8

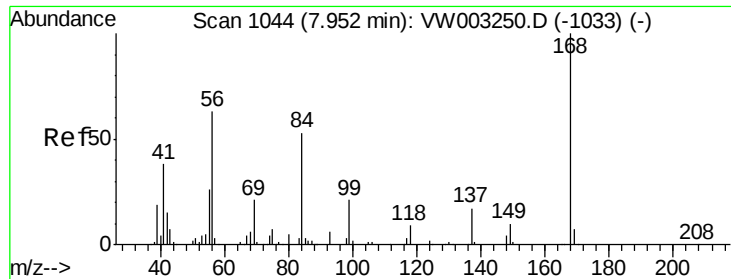
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061518\
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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: VW003304.D

Acq: 15 Jun 2018 20:36

Instrument :

MSVOA_W

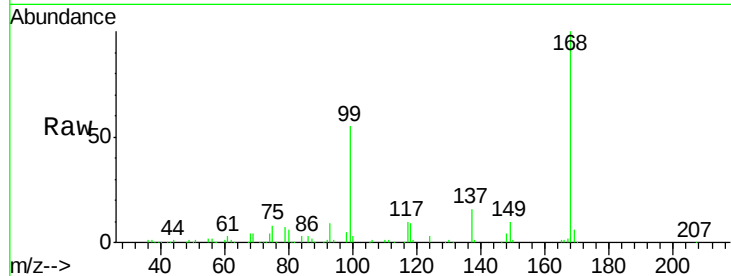
ClientSampleId :

Tot Ion:168 Resp: 147173

Ion Ratio Lower Upper

168 100

99 54.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

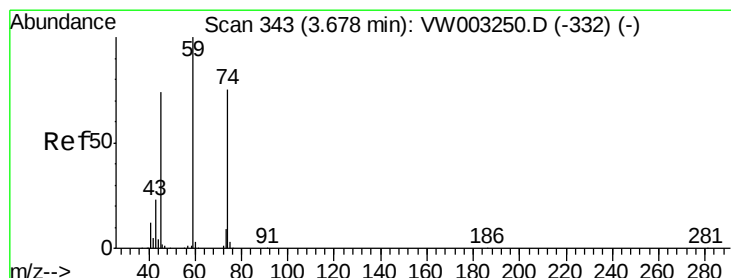
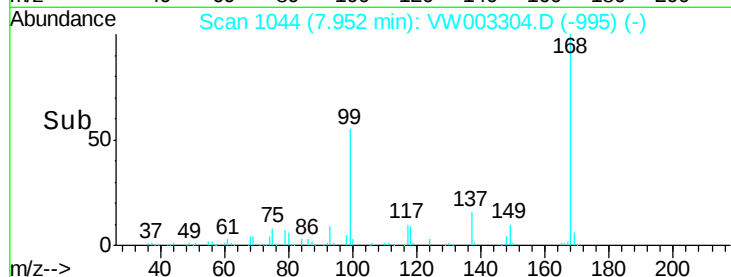
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.174 ug/l

RT: 3.67 min Scan# 342

Delta R.T. -0.01 min

Lab File: VW003304.D

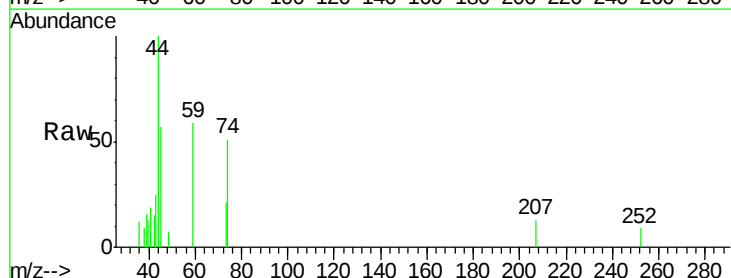
Acq: 15 Jun 2018 20:36

Tgt Ion: 74 Resp: 847

Ion Ratio Lower Upper

74 100

45 131.1 51.4 154.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

400

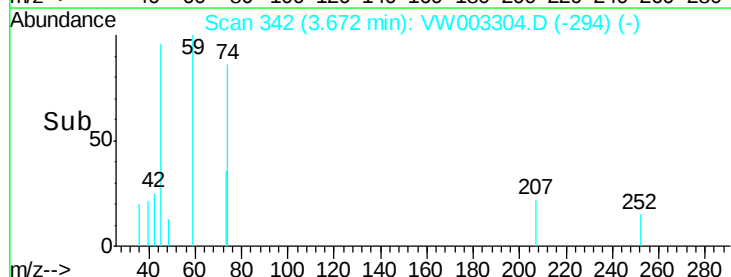
300

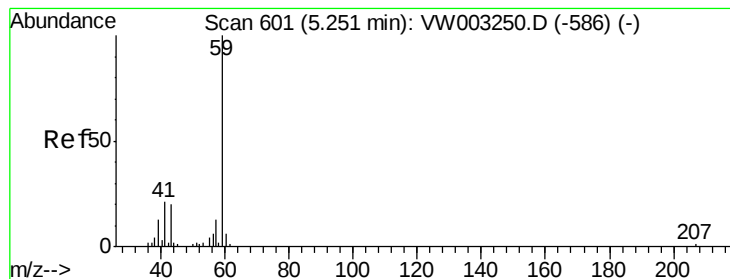
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 29.850 ug/l

RT: 5.28 min Scan# 605

Delta R.T. 0.02 min

Lab File: VW003304.D

Acq: 15 Jun 2018 20:36

Instrument :

MSVOA_W

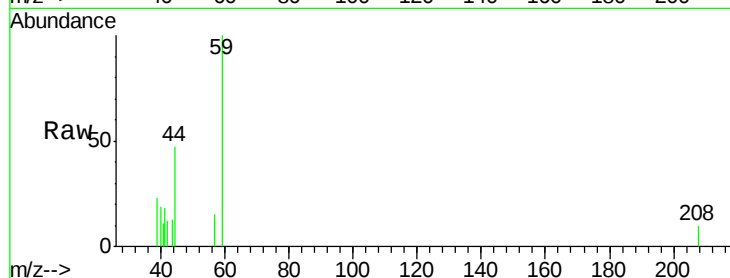
ClientSampled :

Tot Ion: 59 Resp: 2552

Ion Ratio Lower Upper

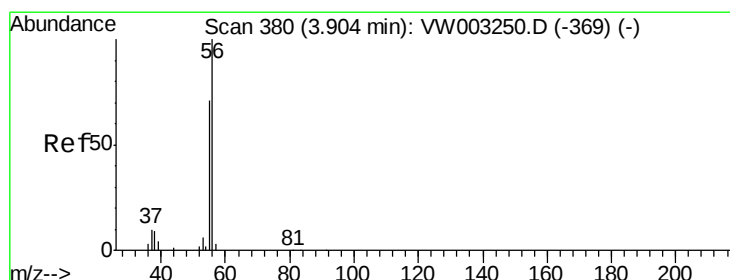
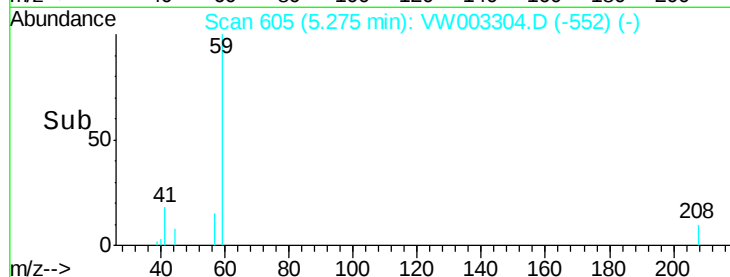
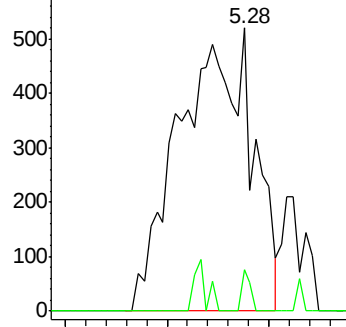
59 100

57 1.8 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: 1.514 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003304.D

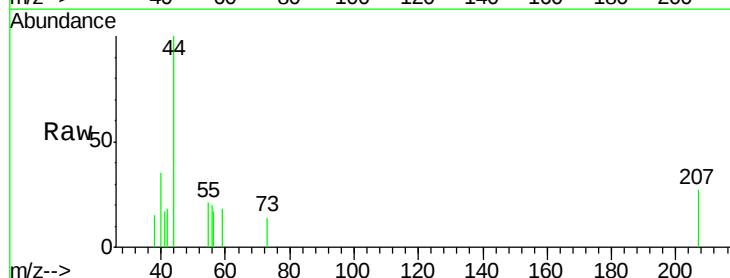
Acq: 15 Jun 2018 20:36

Tgt Ion: 56 Resp: 185

Ion Ratio Lower Upper

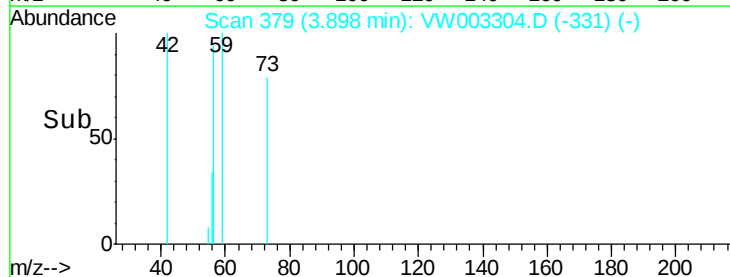
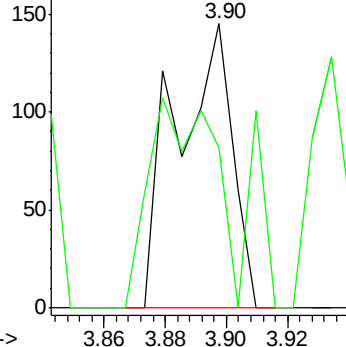
56 100

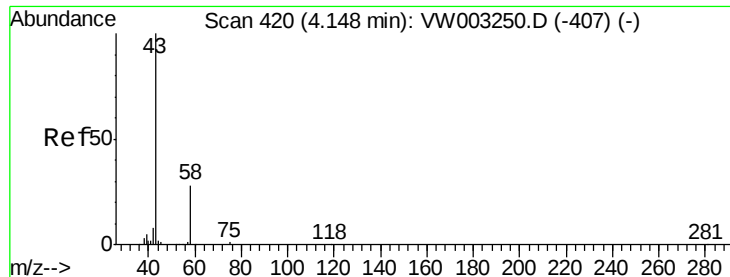
55 84.9 55.4 83.2#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

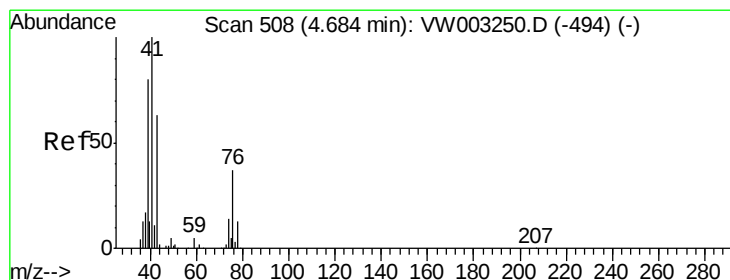
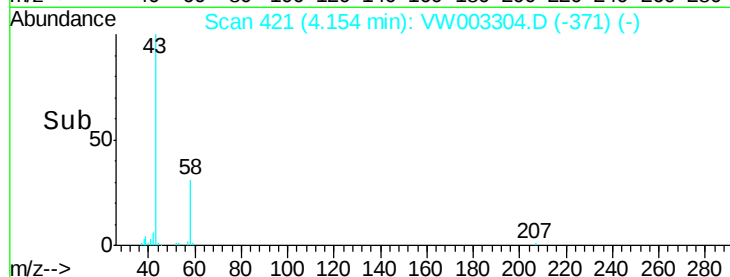
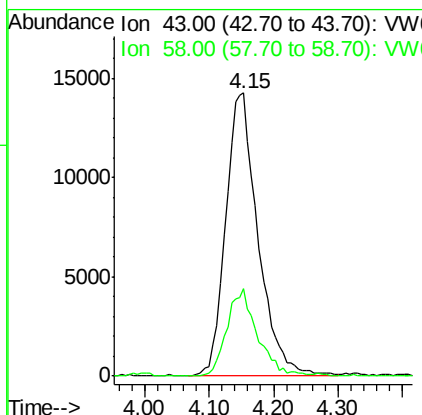
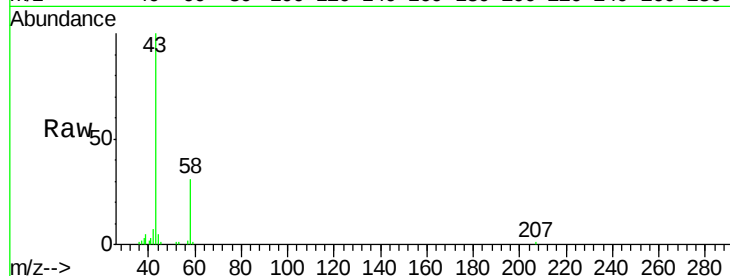




#16
Acetone
Concen: 150.003 ug/l
RT: 4.15 min Scan# 421
Delta R.T. 0.01 min
Lab File: VW003304.D
Acq: 15 Jun 2018 20:36

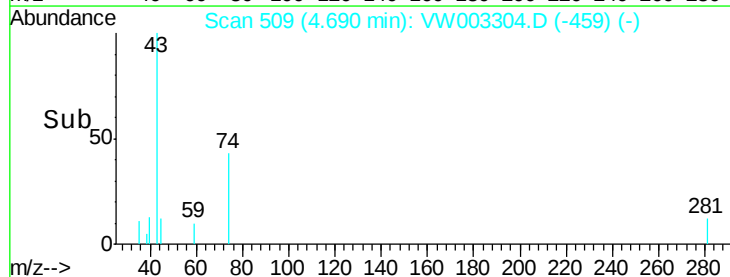
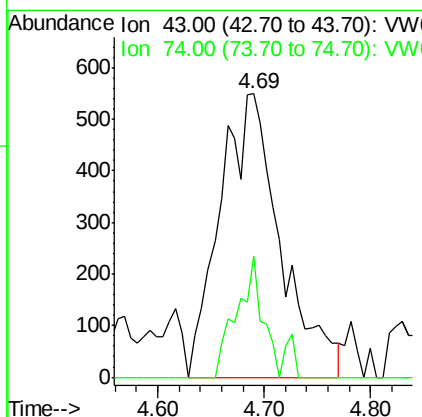
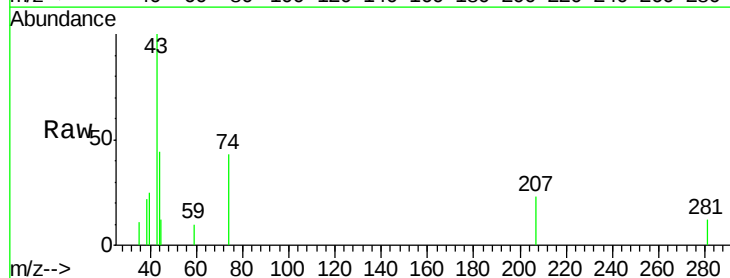
Instrument :
MSVOA_W
ClientSampleId :

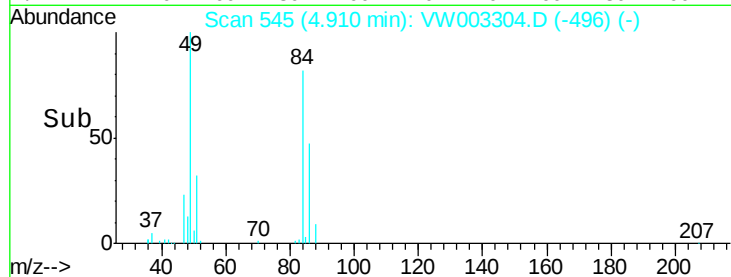
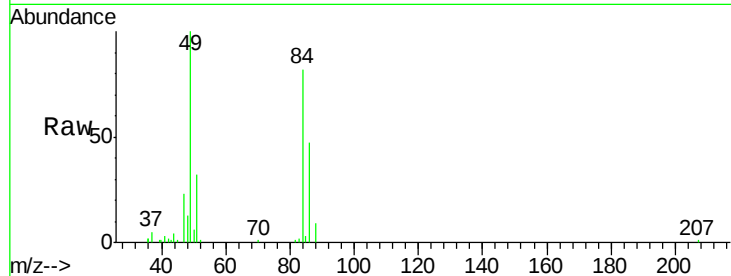
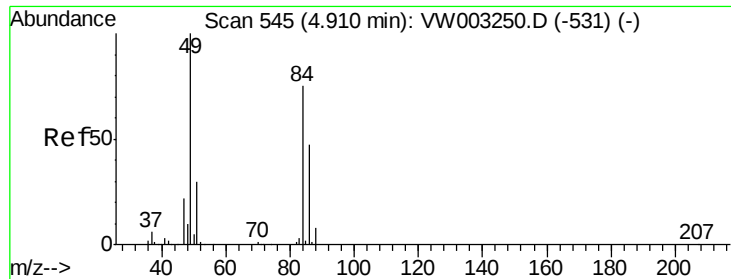
Tot Ion: 43 Resp: 50151
Ion Ratio Lower Upper
43 100
58 31.0 22.6 34.0



#18
Methyl Acetate
Concen: 2.752 ug/l
RT: 4.69 min Scan# 509
Delta R.T. 0.01 min
Lab File: VW003304.D
Acq: 15 Jun 2018 20:36

Tgt Ion: 43 Resp: 2183
Ion Ratio Lower Upper
43 100
74 18.4 18.7 28.1#

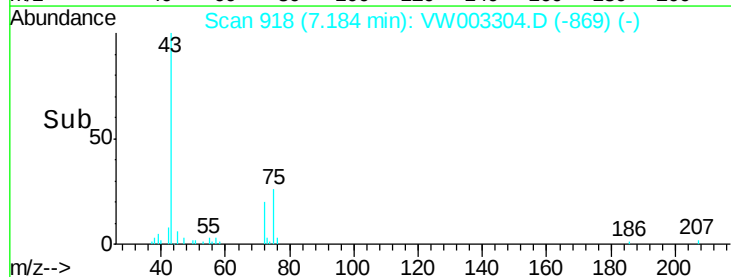
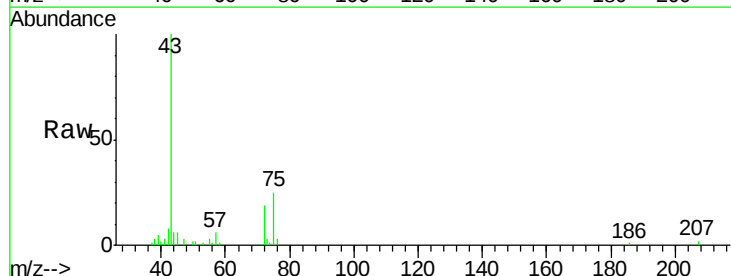
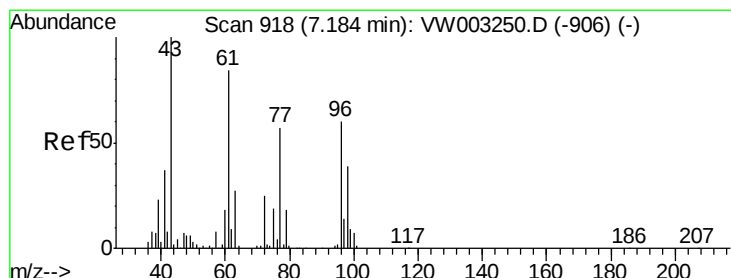
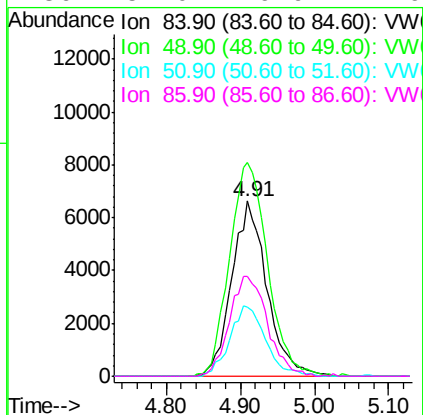




#20
Methvlene Chloride
Concen: 12.716 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003304.D
Acq: 15 Jun 2018 20:36

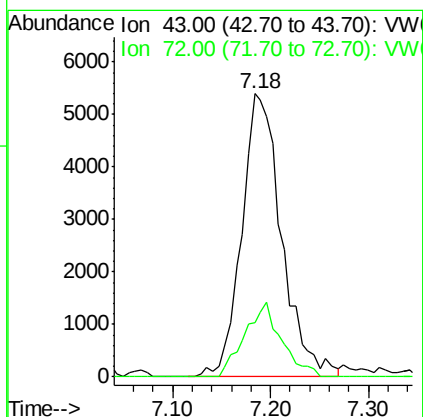
Instrument :
MSVOA_W
ClientSampleId :

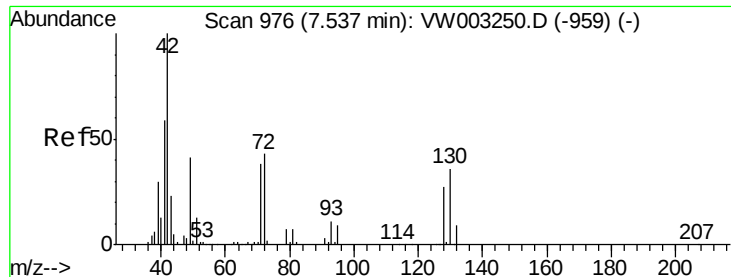
Tot Ion	84	Resp	21947
Ion Ratio	Lower	Upper	
84	100		
49	121.9	106.3	159.5
51	39.1	32.0	48.0
86	57.0	49.9	74.9



#25
2-Butanone
Concen: 36.793 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.00 min
Lab File: VW003304.D
Acq: 15 Jun 2018 20:36

Tgt Ion	43	Resp	15296
Ion Ratio	Lower	Upper	
43	100		
72	19.0	20.3	30.5#

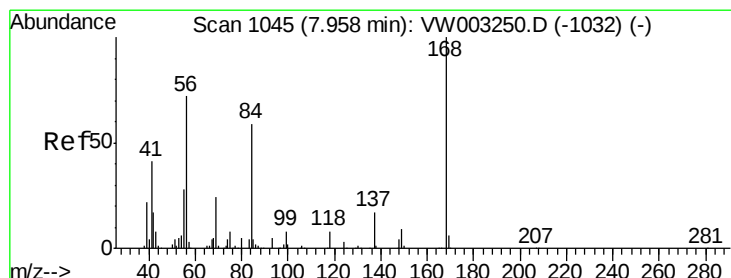
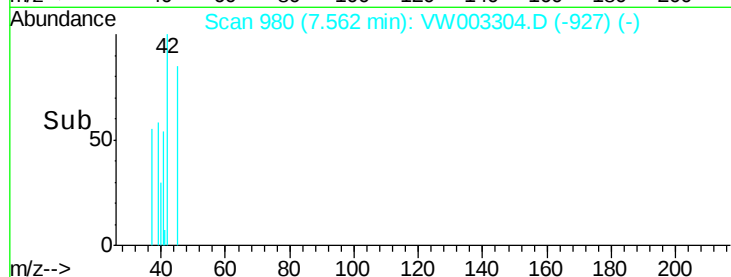
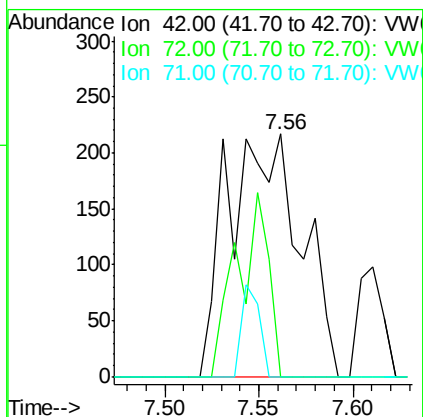
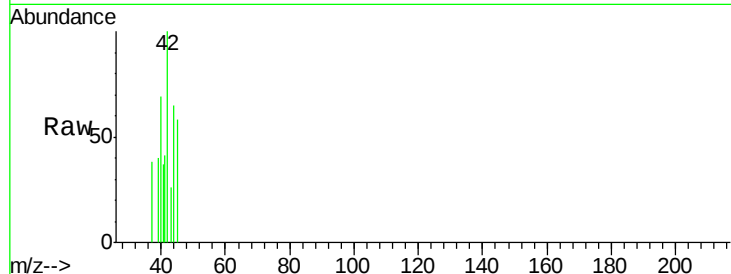




#29
Tetrahydrofuran
Concen: 2.298 ug/l
RT: 7.56 min Scan# 980
Delta R.T. 0.02 min
Lab File: VW003304.D
Acq: 15 Jun 2018 20:36

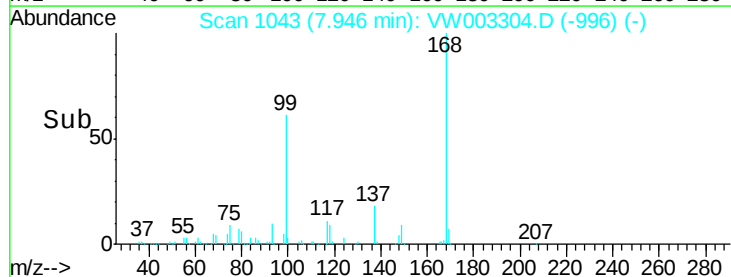
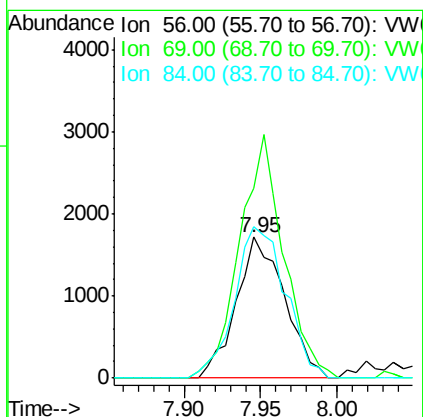
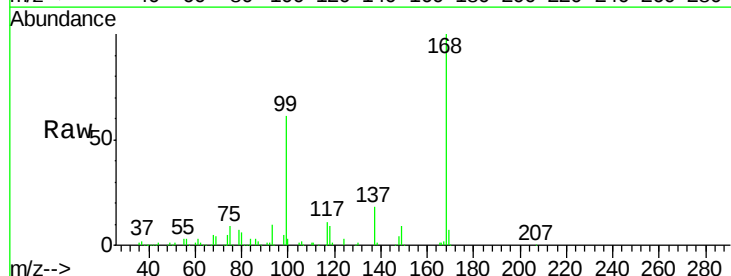
Instrument :
MSVOA_W
ClientSampled :

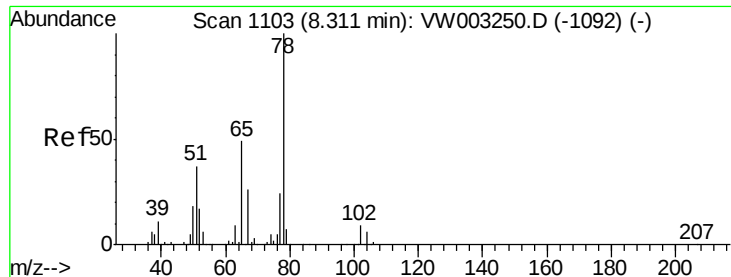
Tot Ion: 42 Resp: 584
Ion Ratio Lower Upper
42 100
72 32.9 32.4 48.6
71 9.2 31.2 46.8#



#31
Cyclohexane
Concen: 1.467 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003304.D
Acq: 15 Jun 2018 20:36

Tgt Ion: 56 Resp: 3779
Ion Ratio Lower Upper
56 100
69 134.9 26.3 39.5#
84 107.9 65.7 98.5#





#33

1,2-Dichloroethane-d4

Concen: 70.586 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003304.D

Acq: 15 Jun 2018 20:36

Instrument :

MSVOA_W

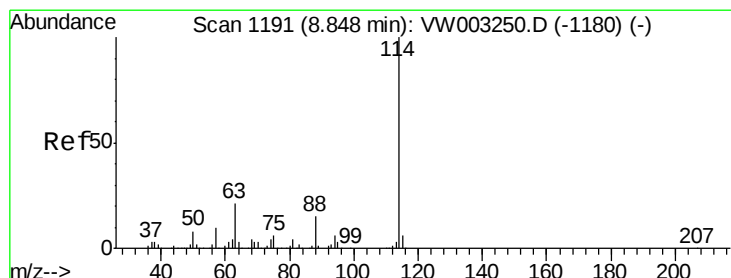
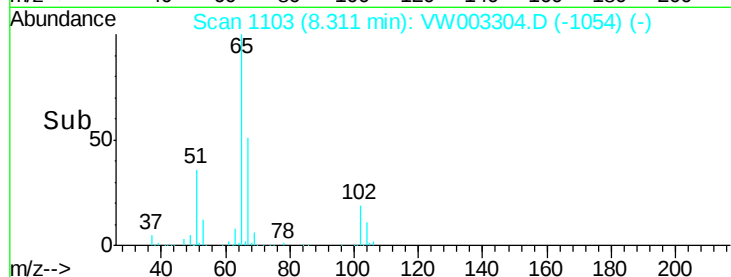
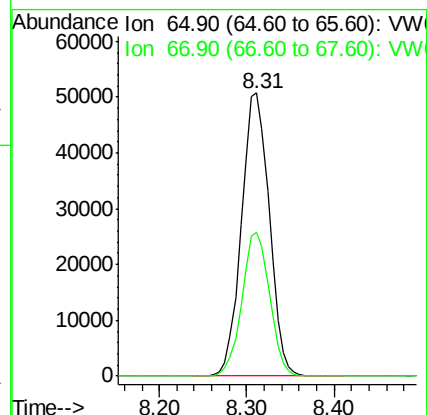
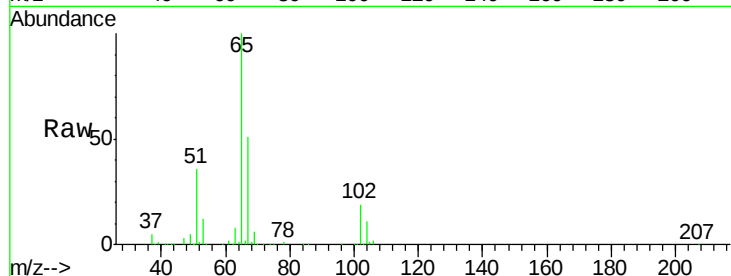
ClientSampleId :

Tot Ion: 65 Resp: 112522

Ion Ratio Lower Upper

65 100

67 50.4 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003304.D

Acq: 15 Jun 2018 20:36

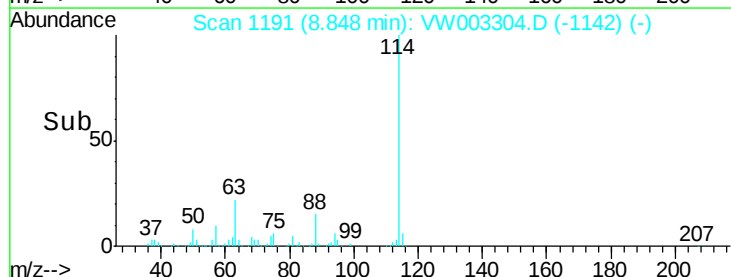
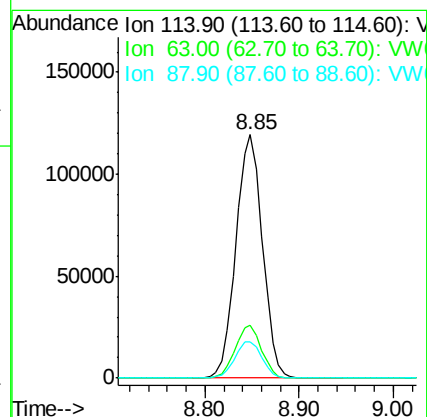
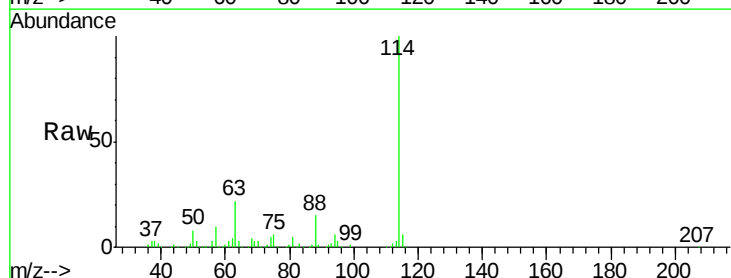
Tgt Ion: 114 Resp: 232641

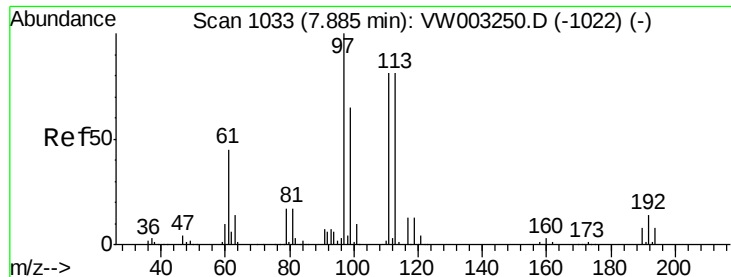
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.0

88 14.9 0.0 29.6





#35

Dibromofluoromethane

Concen: 63.366 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003304.D

Acq: 15 Jun 2018 20:36

Instrument :
MSVOA_W
ClientSampled :

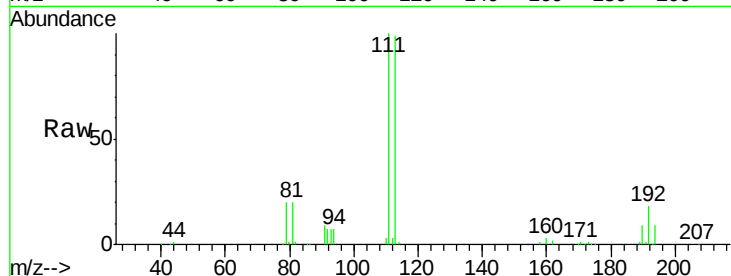
Tot Ion:113 Resp: 91599

Ion Ratio Lower Upper

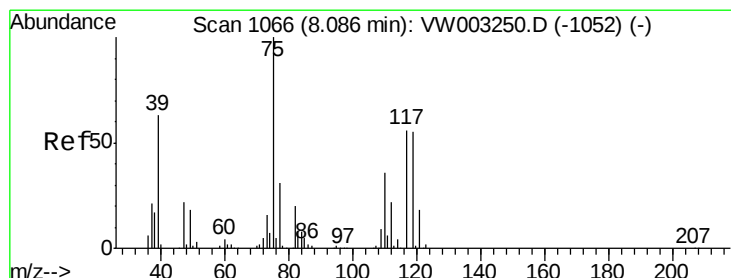
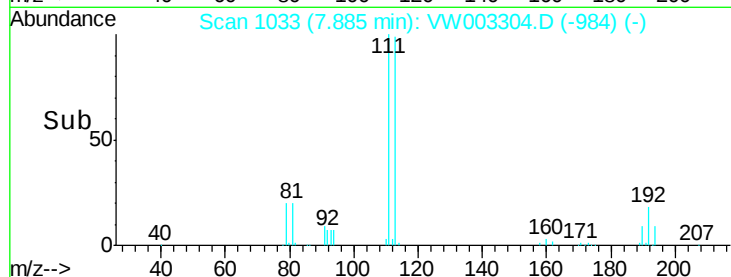
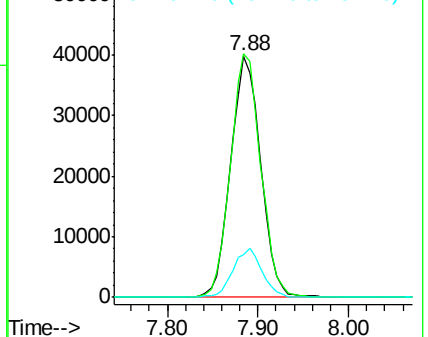
113 100

111 101.5 82.2 123.2

192 19.5 16.2 24.2



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: 5.508 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.14 min

Lab File: VW003304.D

Acq: 15 Jun 2018 20:36

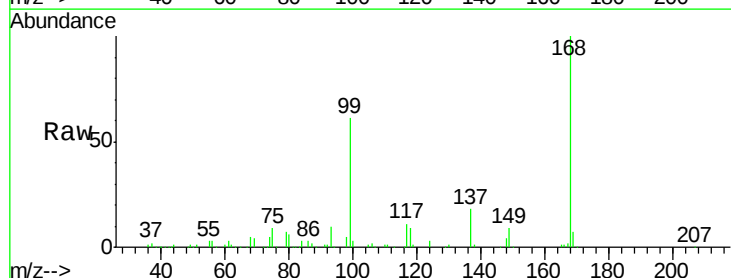
Tgt Ion: 75 Resp: 12374

Ion Ratio Lower Upper

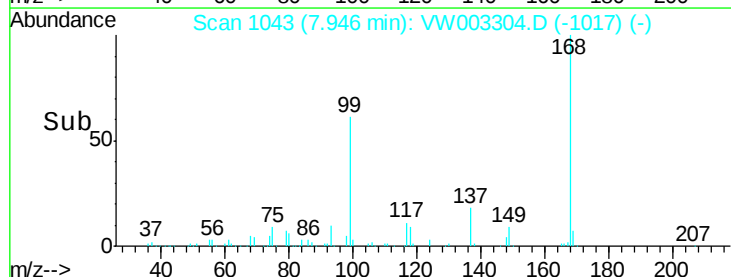
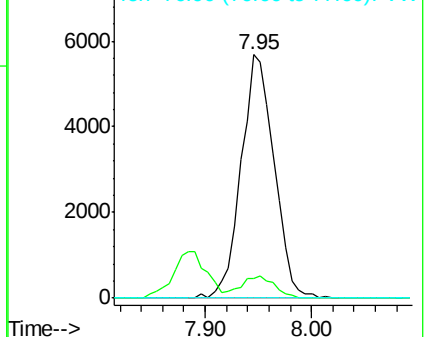
75 100

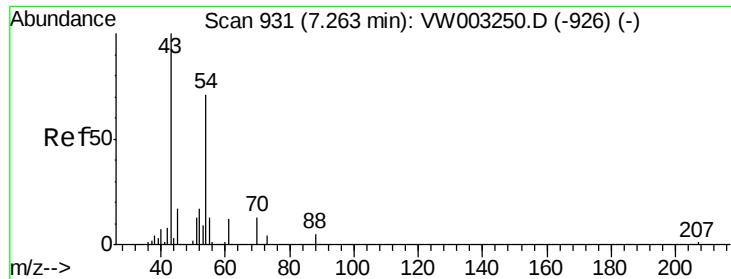
110 8.9 17.1 51.3#

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

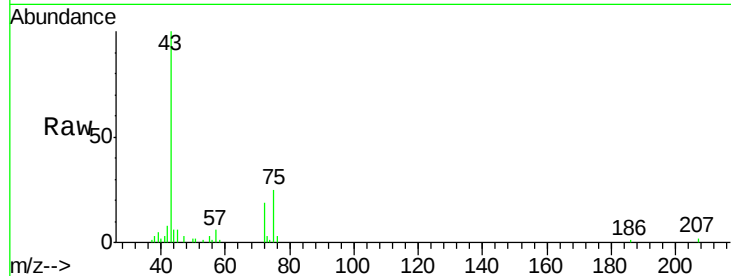




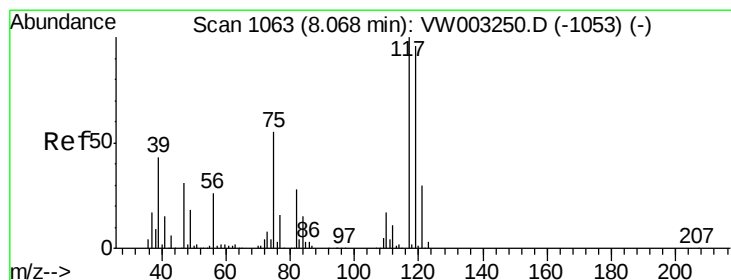
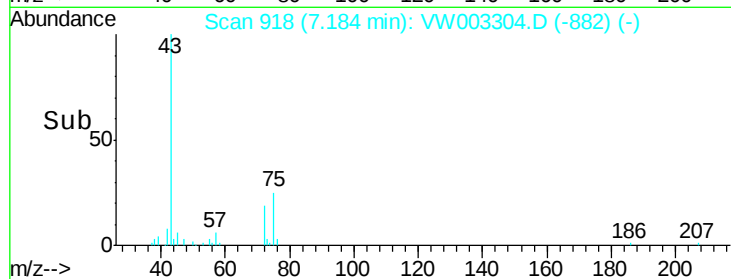
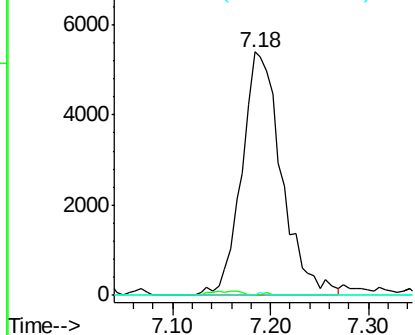
#37
Ethyl Acetate
Concen: 16.434 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.08 min
Lab File: VW003304.D
Acq: 15 Jun 2018 20:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 15296
Ion Ratio Lower Upper
43 100
61 0.1 10.8 16.2#
70 0.2 7.8 11.6#

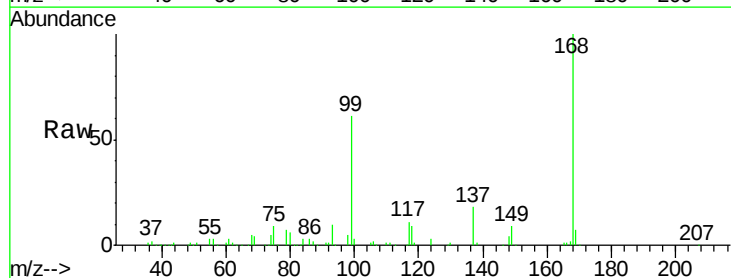


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

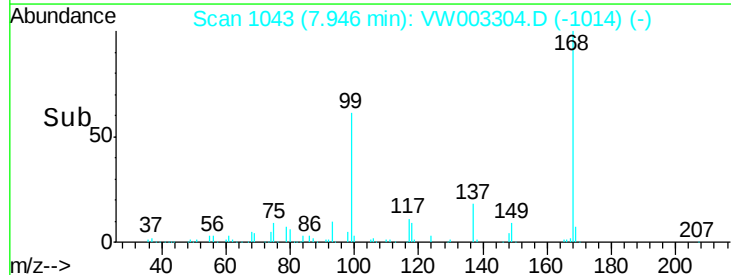
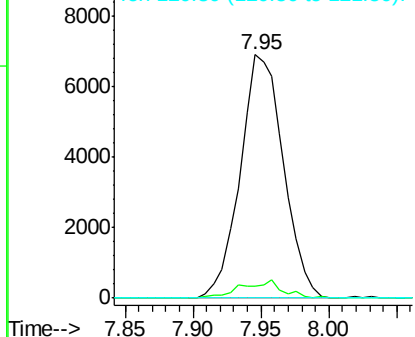


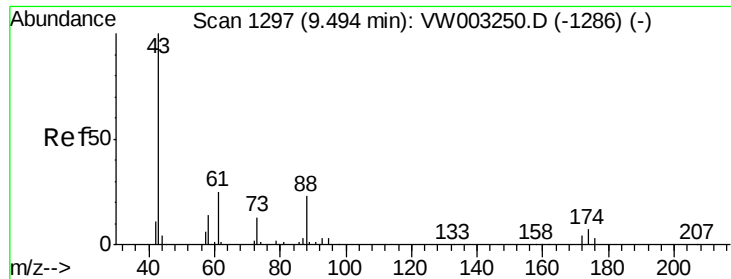
#38
Carbon Tetrachloride
Concen: 6.942 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW003304.D
Acq: 15 Jun 2018 20:36

Tgt Ion: 117 Resp: 15299
Ion Ratio Lower Upper
117 100
119 4.9 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

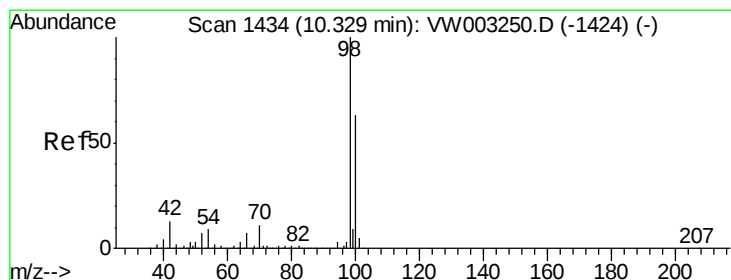
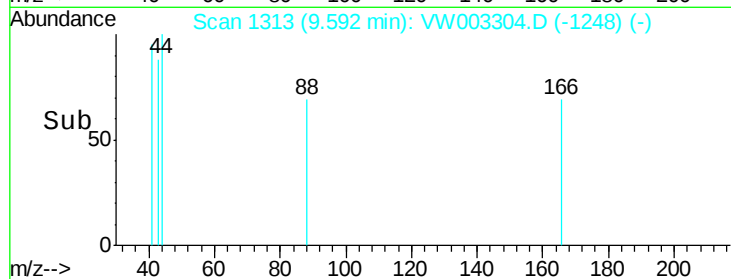
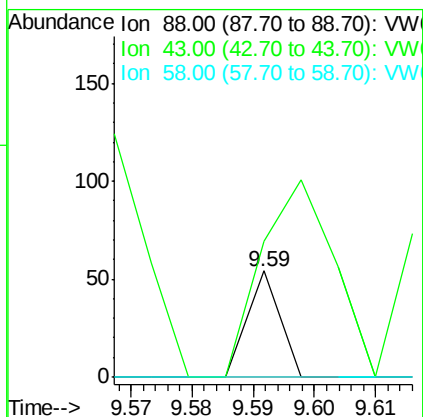
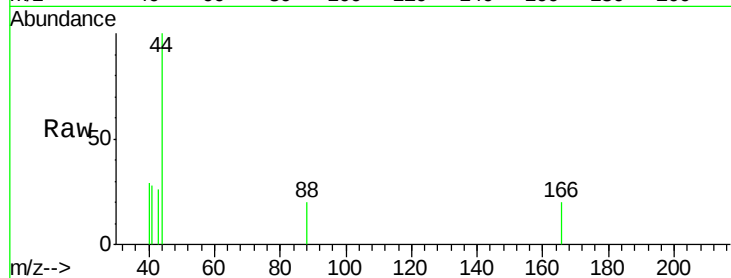




#49
1,4-Dioxane
Concen: 1.641 ug/l
RT: 9.59 min Scan# 1313
Delta R.T. 0.10 min
Lab File: VW003304.D
Acq: 15 Jun 2018 20:36

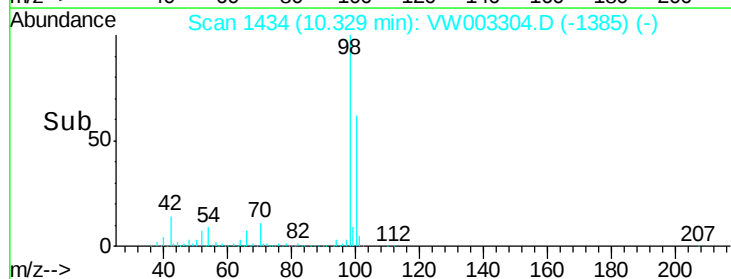
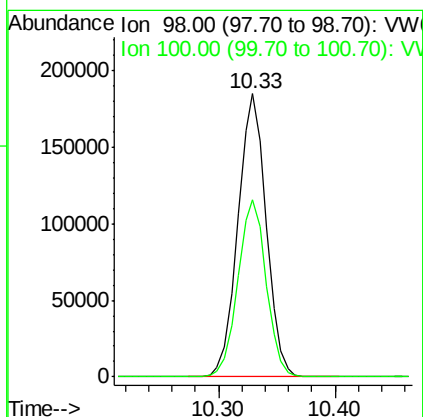
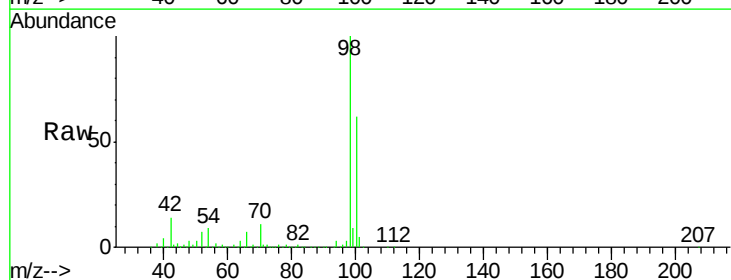
Instrument :
MSVOA_W
ClientSampleId :

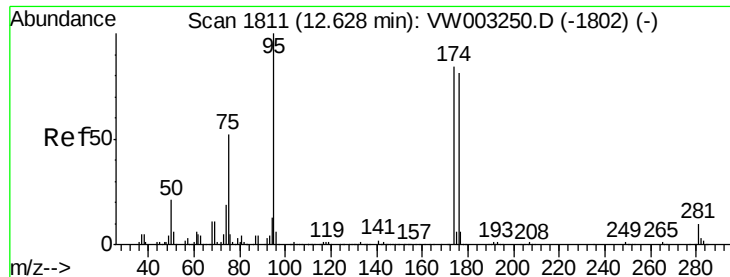
Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 415.0 454.7 682.1#
58 0.0 58.6 88.0#



#50
Toluene-d8
Concen: 54.610 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003304.D
Acq: 15 Jun 2018 20:36

Tgt Ion: 98 Resp: 313025
Ion Ratio Lower Upper
98 100
100 62.5 50.8 76.2





#62

4-Bromofluorobenzene

Concen: 47.800 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003304.D

Acq: 15 Jun 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

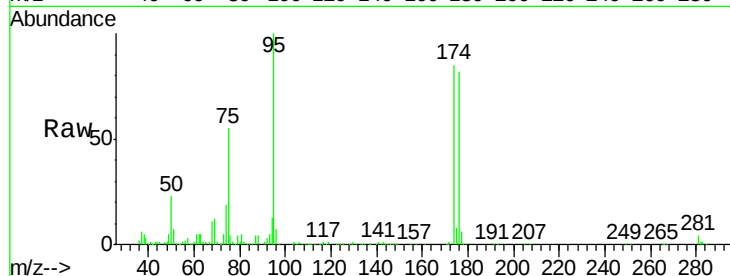
Tot Ion: 95 Resp: 96962

Ion Ratio Lower Upper

95 100

174 84.2 0.0 166.4

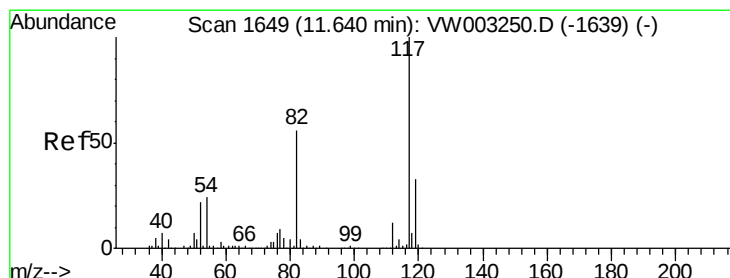
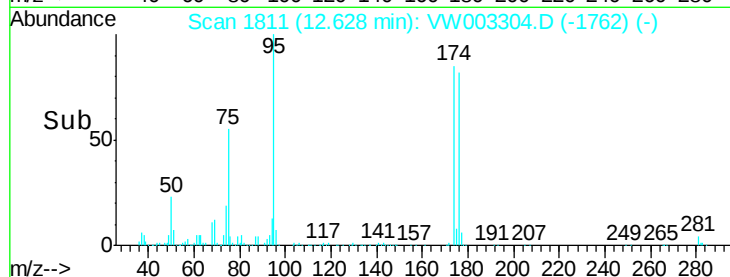
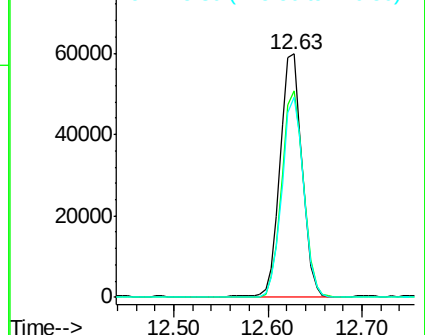
176 80.8 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VW003304.D

Acq: 15 Jun 2018 20:36

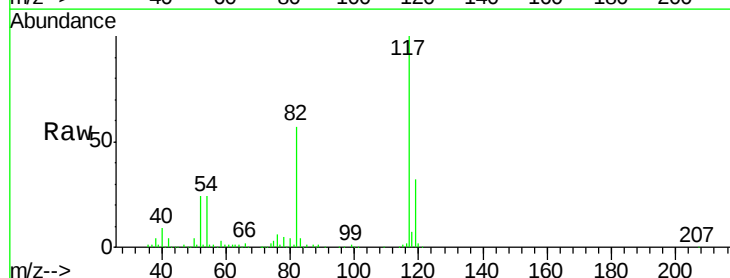
Tgt Ion: 117 Resp: 198991

Ion Ratio Lower Upper

117 100

82 56.7 44.6 67.0

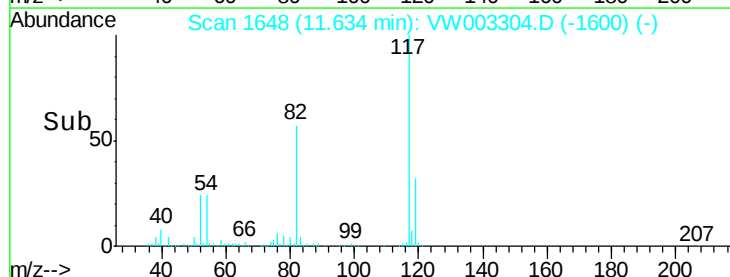
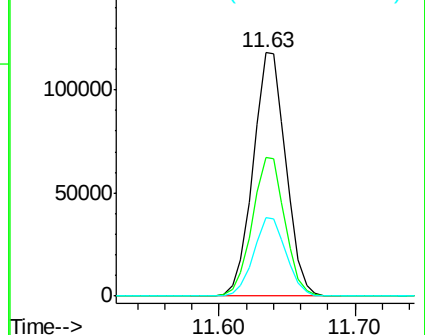
119 32.3 26.7 40.1

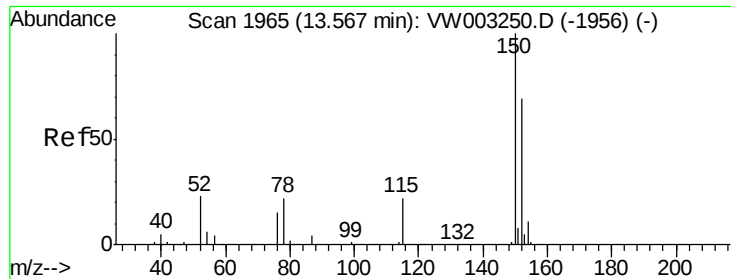


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003304.D

Acq: 15 Jun 2018 20:36

Instrument :

MSVOA_W

ClientSampled :

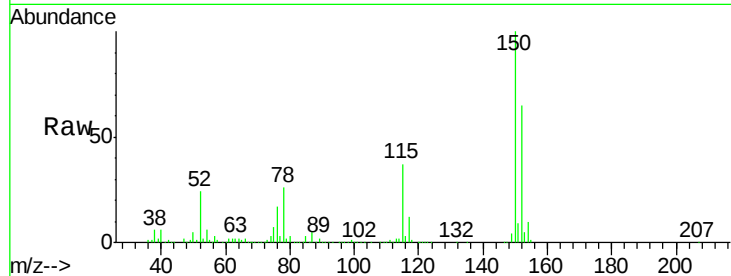
Tot Ion:152 Resp: 88356

Ion Ratio Lower Upper

152 100

115 58.1 29.3 88.0

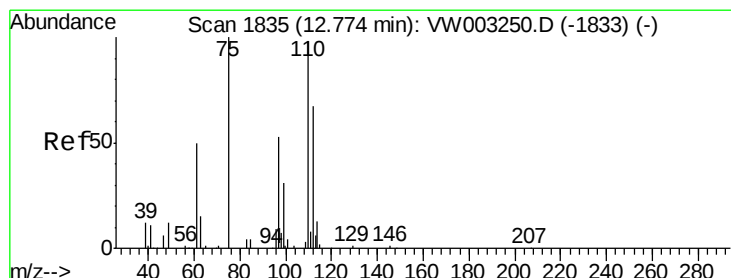
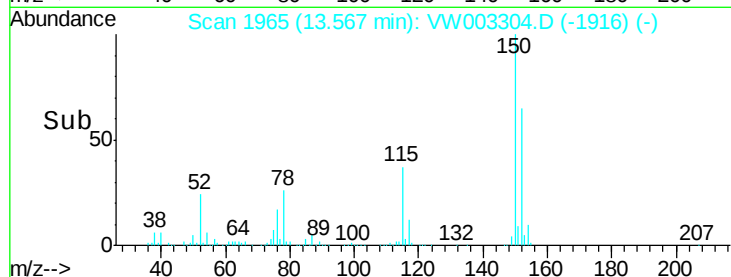
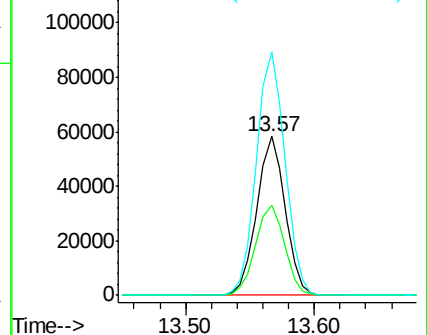
150 154.7 0.0 349.6



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: 70.040 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003304.D

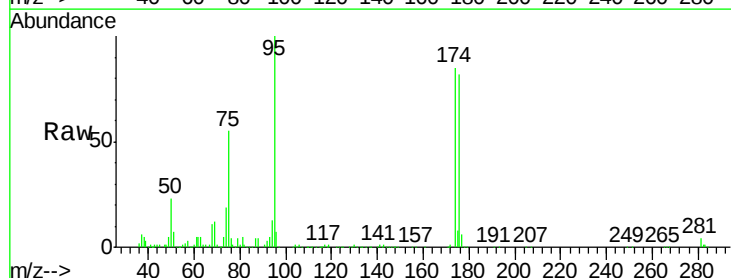
Acq: 15 Jun 2018 20:36

Tgt Ion: 75 Resp: 52904

Ion Ratio Lower Upper

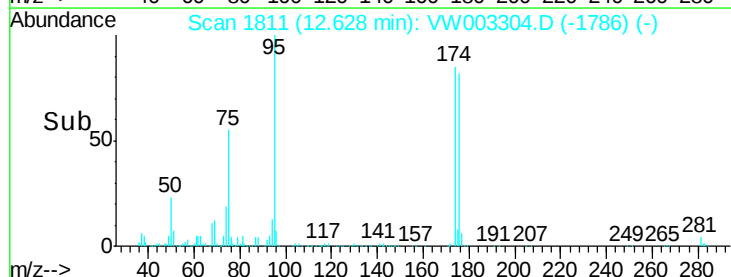
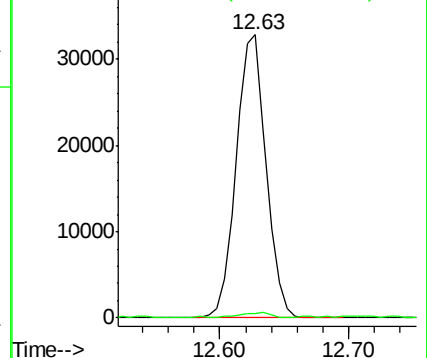
75 100

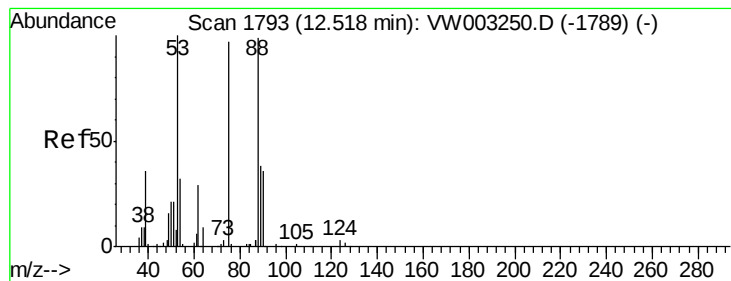
77 2.2 0.0 0.0#



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: 161.166 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003304.D

Acq: 15 Jun 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

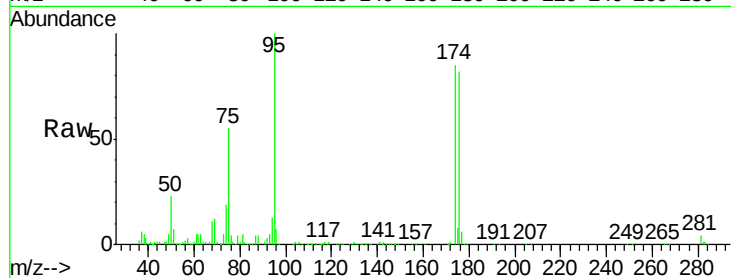
Tot Ion: 75 Resp: 52904

Ion Ratio Lower Upper

75 100

53 0.0 82.9 124.3#

89 0.1 36.7 55.1#



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

