

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\
 Data File : VW003788.D
 Acq On : 09 Jul 2018 19:54
 Operator : SY/AP
 Sample : J3897-01
 Misc : 4.79G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 STOCK-PILE-A

Quant Time: Jul 10 01:56:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	124957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	209499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	171410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	51067	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	84583	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
35) Dibromofluoromethane	7.88	113	72151	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.33	98	200500	35.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.50%	
62) 4-Bromofluorobenzene	12.63	95	51132	25.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.40%	

Target Compounds

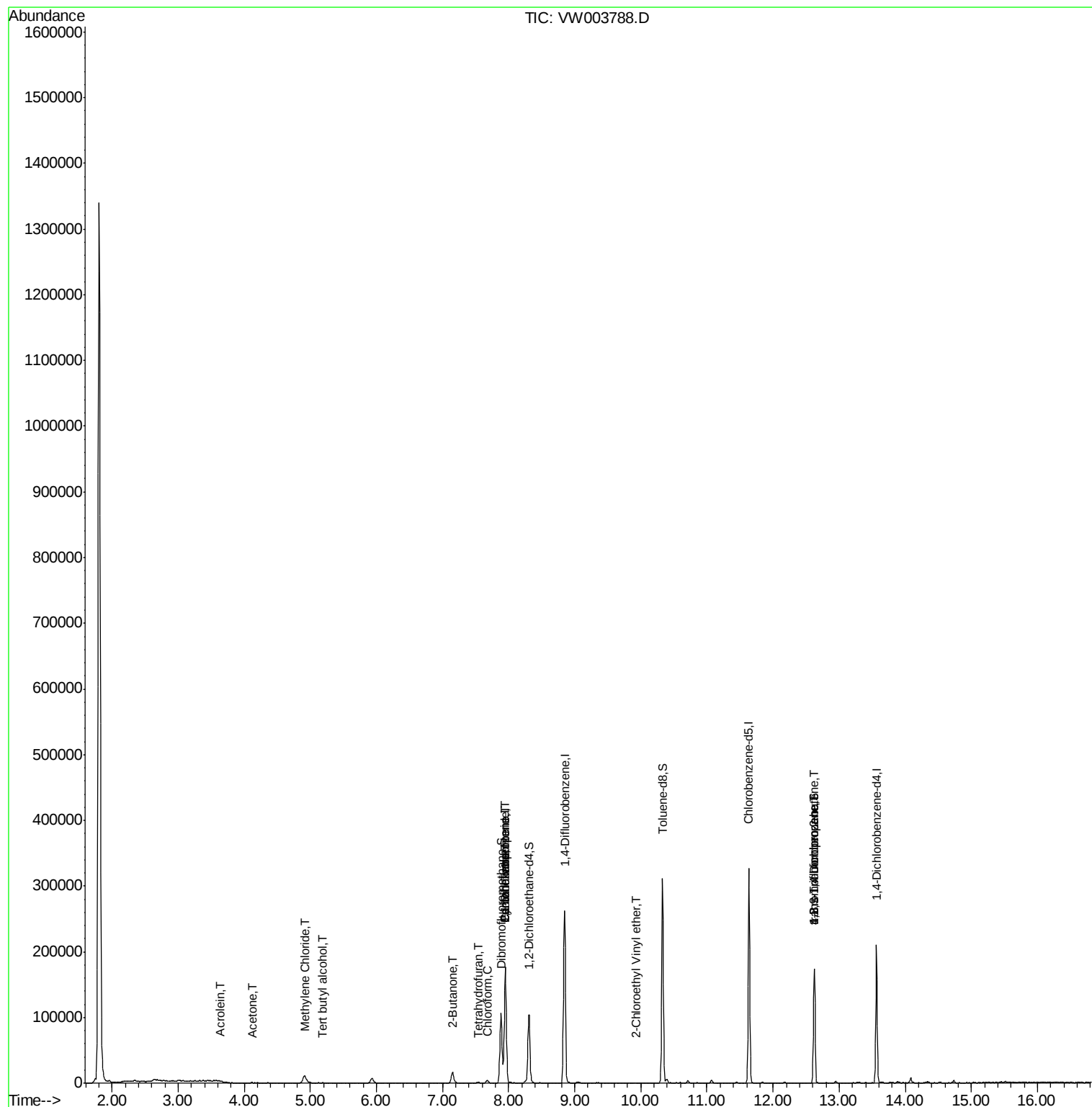
					Qvalue	
11) Tert butyl alcohol	5.20	59	149	1.683	ug/l	95
13) Acrolein	3.64	56	50	5.075	ug/l #	9
16) Acetone	4.12	43	1045	3.686	ug/l #	78
20) Methylene Chloride	4.91	84	8752	2.137	ug/l	90
25) 2-Butanone	7.15	43	1016	2.288	ug/l #	90
29) Tetrahydrofuran	7.54	42	537	1.881	ug/l #	55
30) Chloroform	7.67	83	3426	1.238	ug/l	87
31) Cyclohexane	7.96	56	3192	1.339	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	10820	4.868	ug/l #	50
38) Carbon Tetrachloride	7.95	117	12430	5.881	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.93	63	45	13.223	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	28318	56.470	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	28318	138.139	ug/l #	8

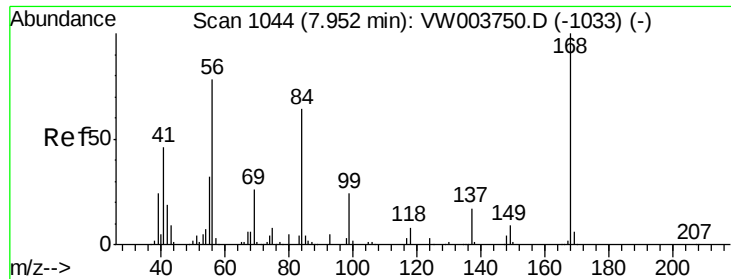
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003788.D

Acq: 09 Jul 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

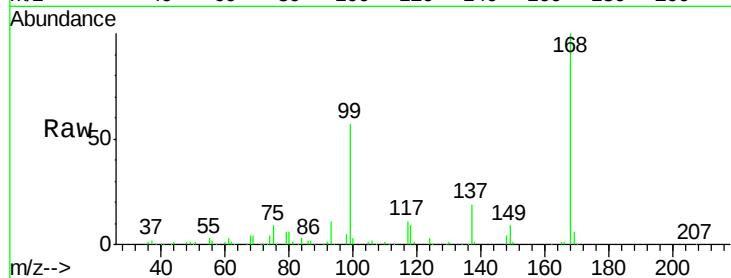
STOCK-PILE-A

Tot Ion:168 Resp: 124957

Ion Ratio Lower Upper

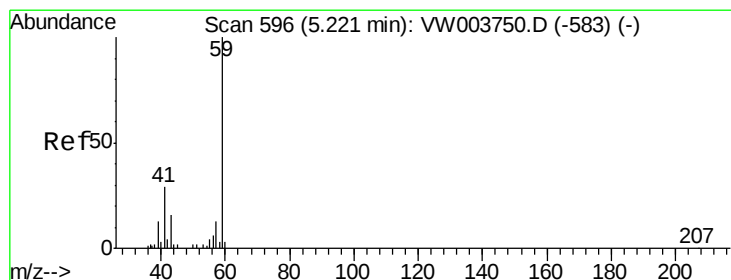
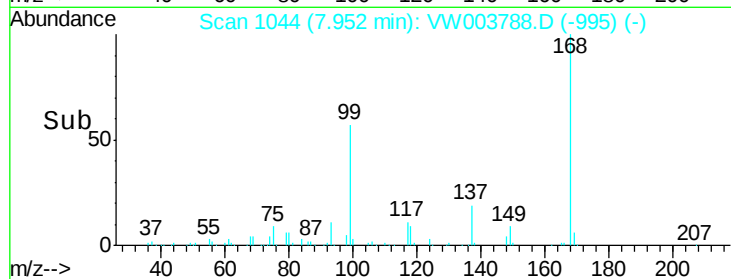
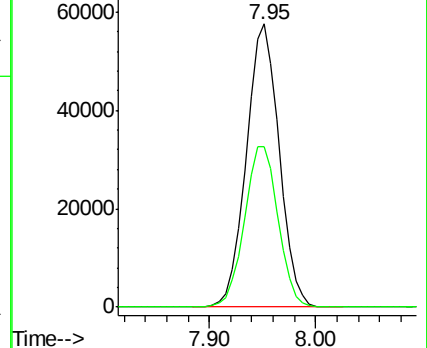
168 100

99 56.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.683 ug/l

RT: 5.20 min Scan# 592

Delta R.T. -0.02 min

Lab File: VW003788.D

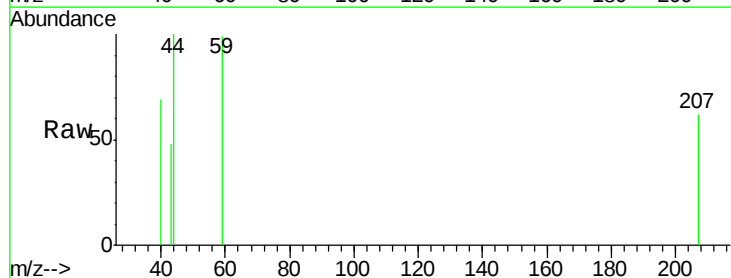
Acq: 09 Jul 2018 19:54

Tgt Ion: 59 Resp: 149

Ion Ratio Lower Upper

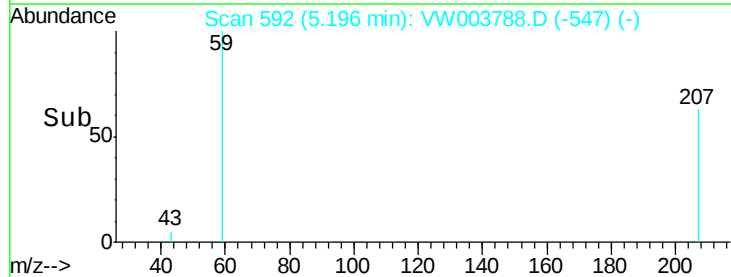
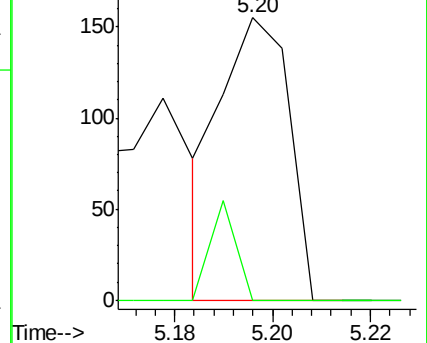
59 100

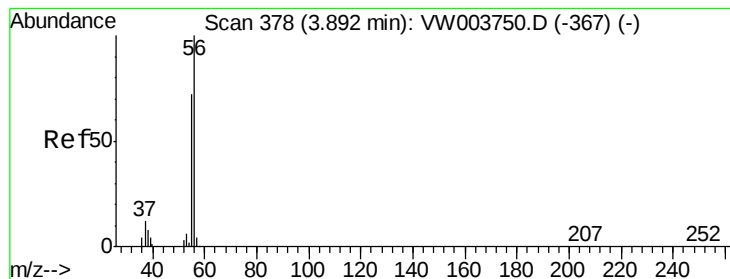
57 13.4 9.3 13.9



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 5.075 ug/l

RT: 3.64 min Scan# 336

Delta R.T. -0.26 min

Lab File: VW003788.D

Acq: 09 Jul 2018 19:54

Instrument :

MSVOA_W

ClientSampled :

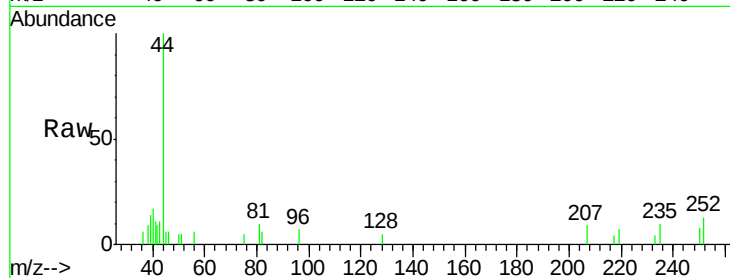
STOCK-PILE-A

Tot Ion: 56 Resp: 50

Ion Ratio Lower Upper

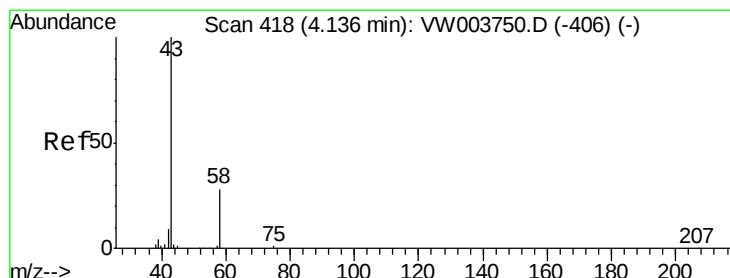
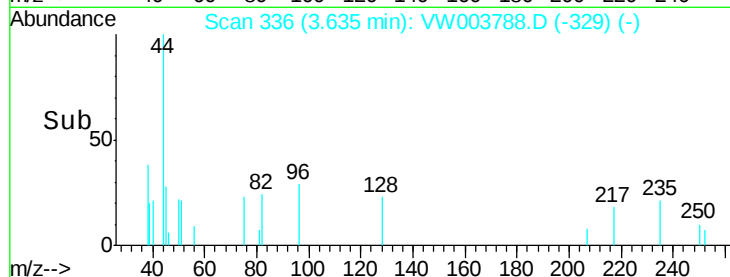
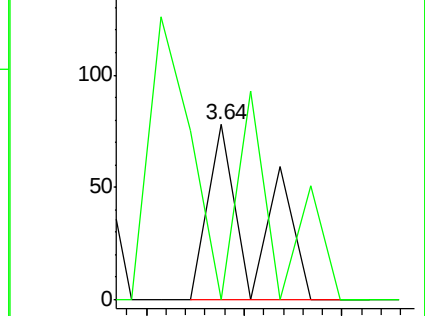
56 100

55 148.0 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 3.686 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW003788.D

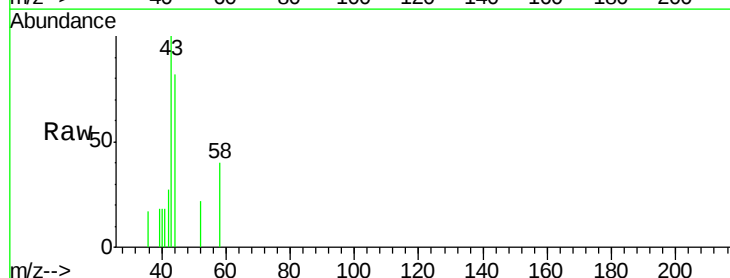
Acq: 09 Jul 2018 19:54

Tgt Ion: 43 Resp: 1045

Ion Ratio Lower Upper

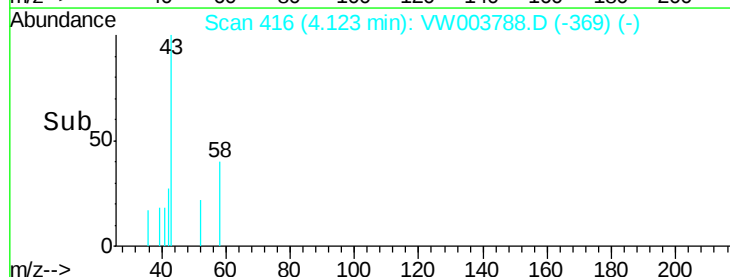
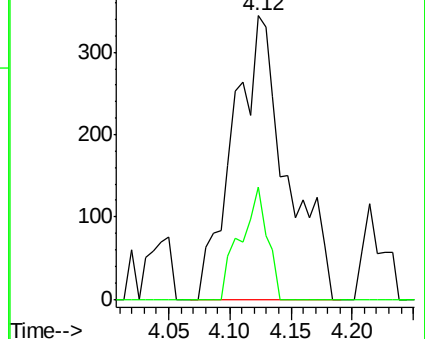
43 100

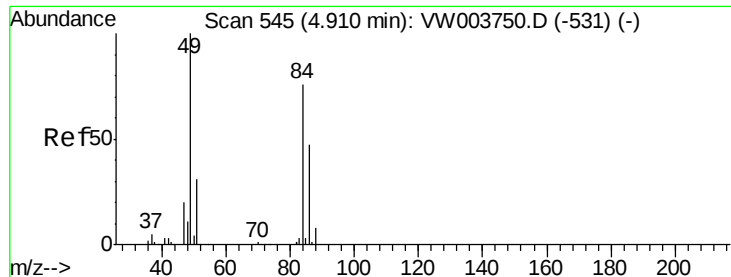
58 39.8 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

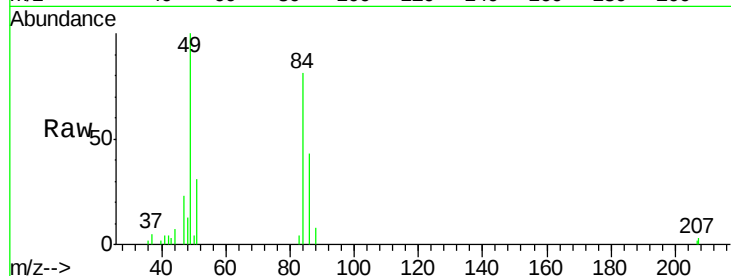




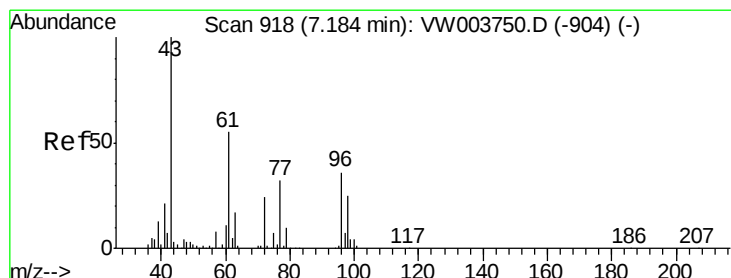
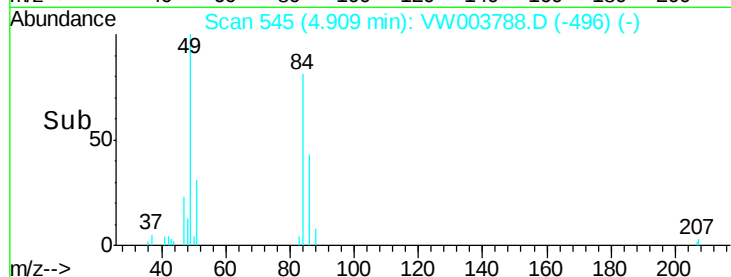
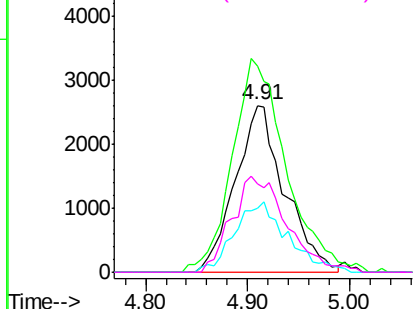
#20
Methvlene Chloride
Concen: 2.137 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003788.D
Acq: 09 Jul 2018 19:54

Instrument :
MSVOA_W
ClientSampleId :
STOCK-PILE-A

Tot Ion: 84 Resp: 8752
Ion Ratio Lower Upper
84 100
49 118.5 105.1 157.7
51 38.4 32.5 48.7
86 53.0 49.8 74.6

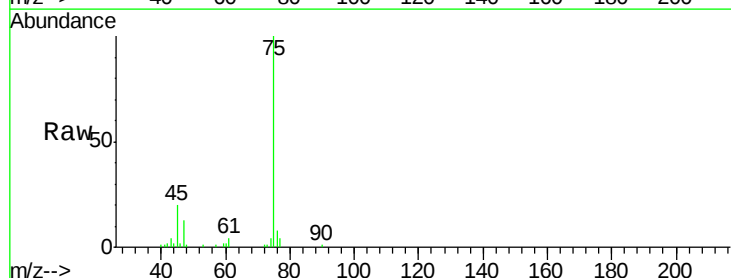


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

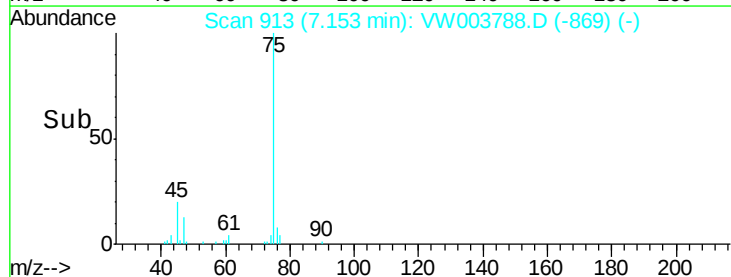
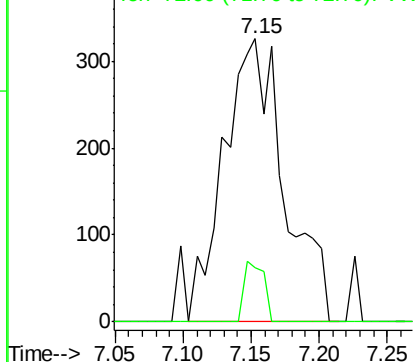


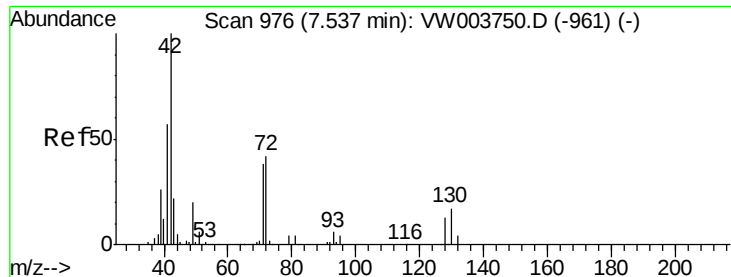
#25
2-Butanone
Concen: 2.288 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.03 min
Lab File: VW003788.D
Acq: 09 Jul 2018 19:54

Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
72 19.3 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

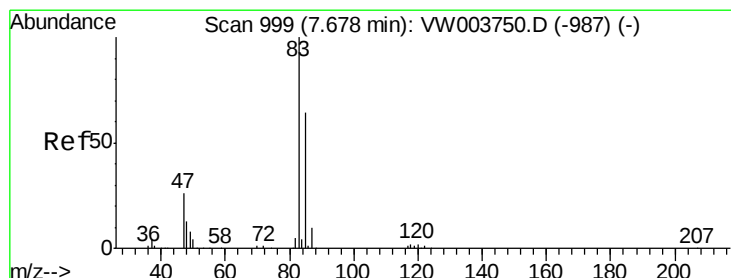
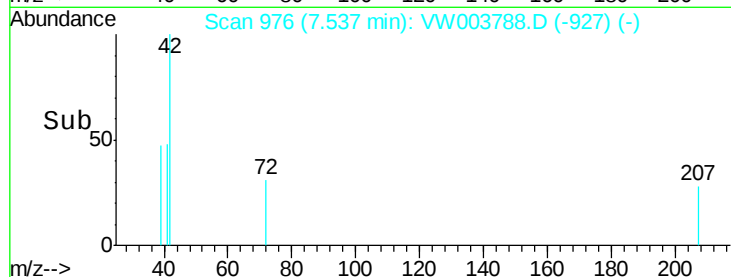
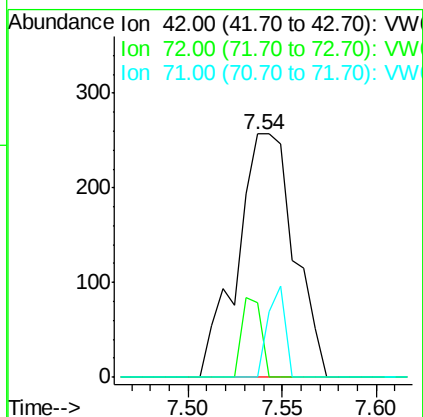
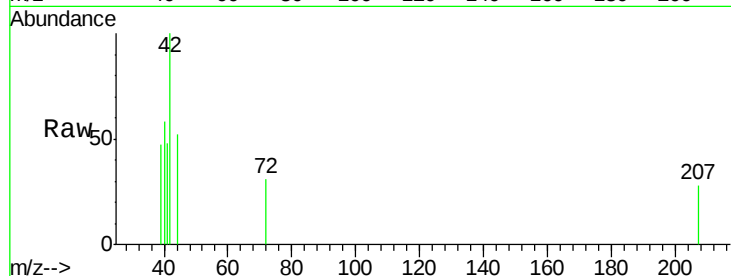




#29
Tetrahydrofuran
Concen: 1.881 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW003788.D
Acq: 09 Jul 2018 19:54

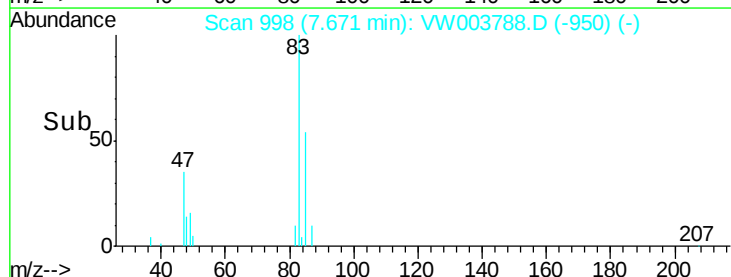
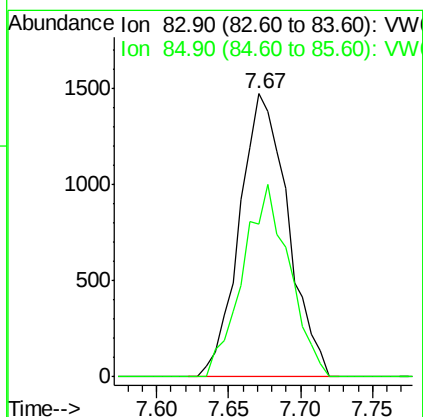
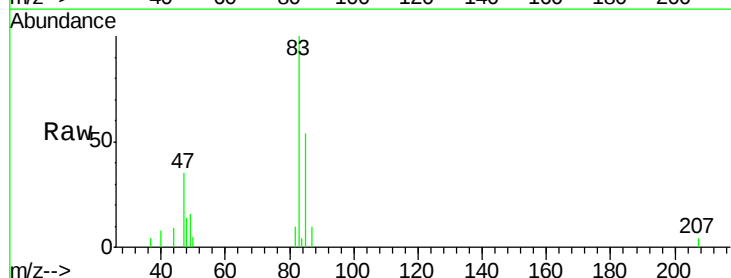
Instrument :
MSVOA_W
ClientSampleId :
STOCK-PILE-A

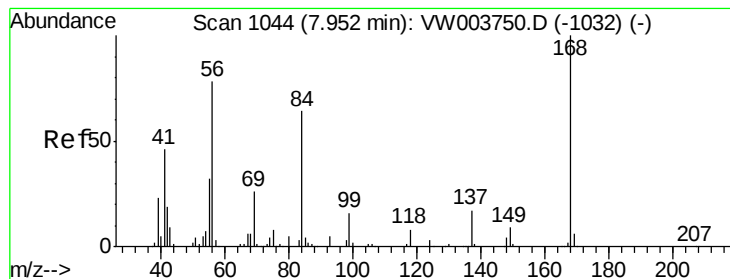
Tot Ion: 42 Resp: 537
Ion Ratio Lower Upper
42 100
72 11.2 31.8 47.8#
71 11.2 30.3 45.5#



#30
Chloroform
Concen: 1.238 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW003788.D
Acq: 09 Jul 2018 19:54

Tgt Ion: 83 Resp: 3426
Ion Ratio Lower Upper
83 100
85 54.2 51.5 77.3





#31

Cyclohexane

Concen: 1.339 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.01 min

Lab File: VW003788.D

Acq: 09 Jul 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

STOCK-PILE-A

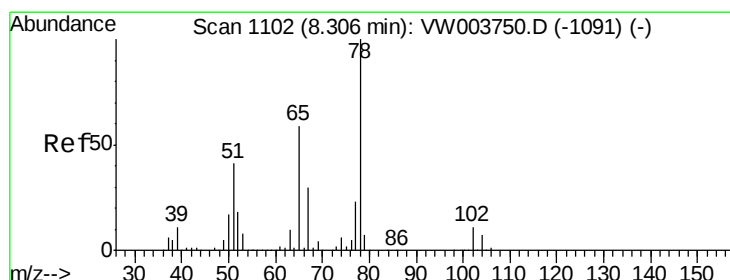
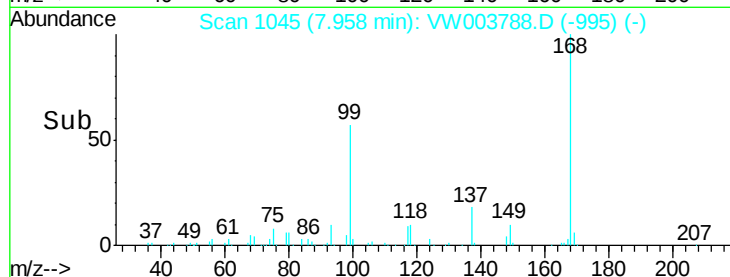
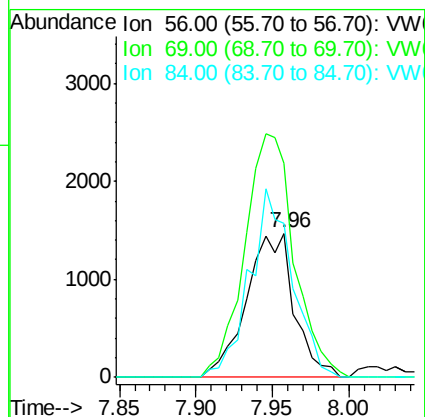
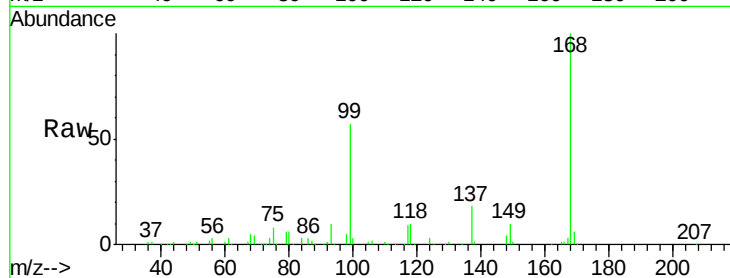
Tot Ion: 56 Resp: 3192

Ion Ratio Lower Upper

56 100

69 148.7 26.2 39.4#

84 107.1 65.5 98.3#



#33

1,2-Dichloroethane-d4

Concen: 51.761 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003788.D

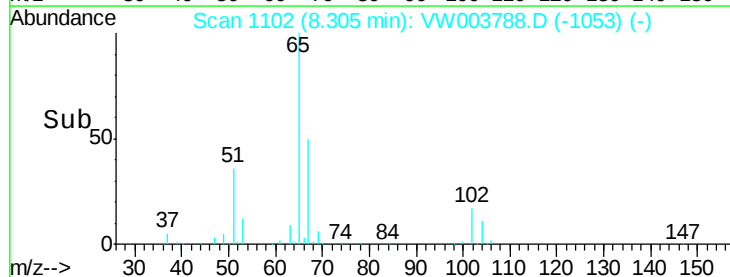
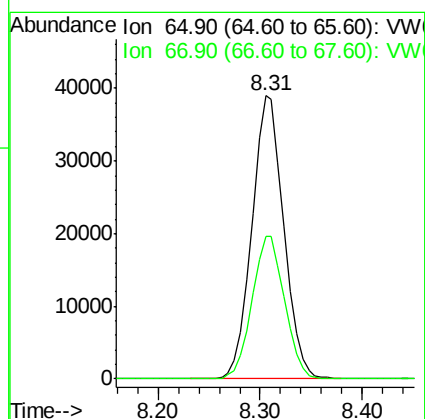
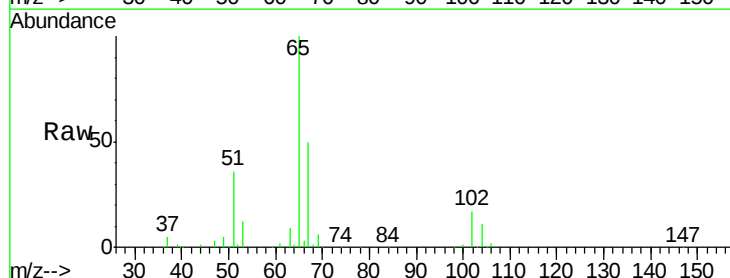
Acq: 09 Jul 2018 19:54

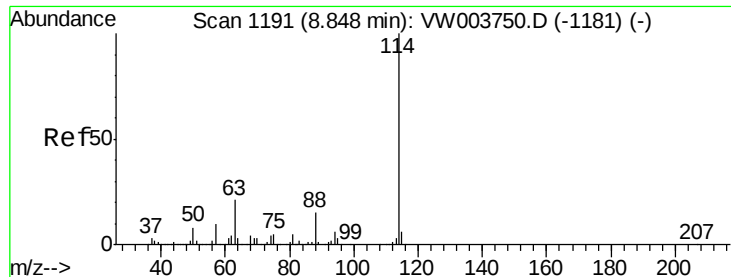
Tgt Ion: 65 Resp: 84583

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003788.D

Acq: 09 Jul 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

STOCK-PILE-A

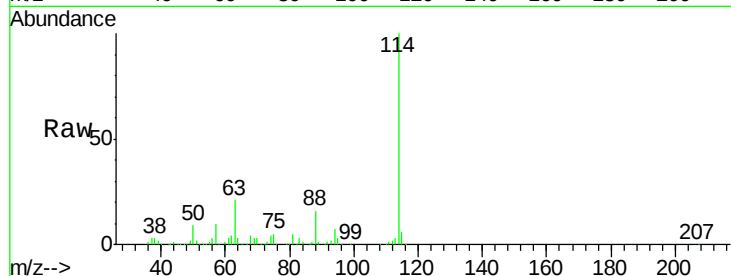
Tot Ion:114 Resp: 209499

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.8

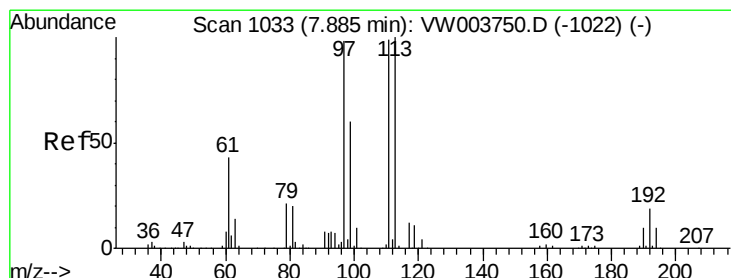
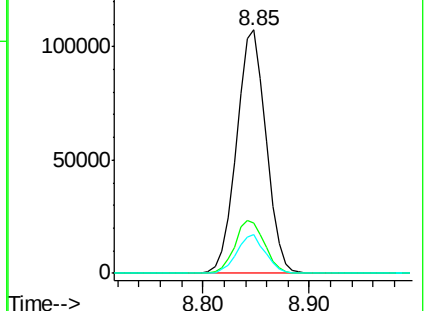
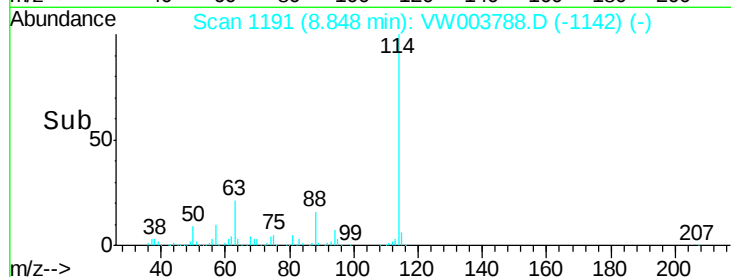
88 15.7 0.0 30.2



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: 49.208 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003788.D

Acq: 09 Jul 2018 19:54

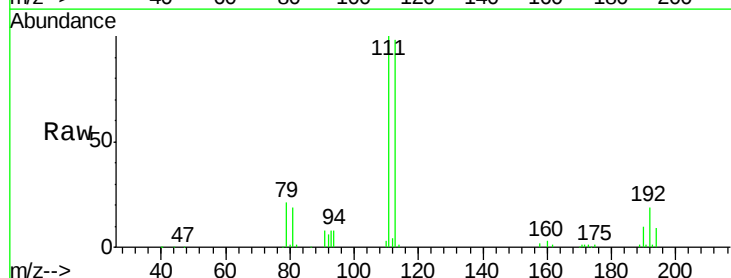
Tgt Ion:113 Resp: 72151

Ion Ratio Lower Upper

113 100

111 103.3 81.7 122.5

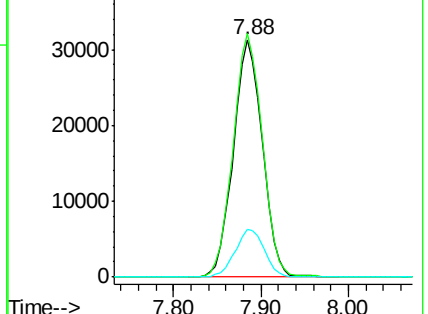
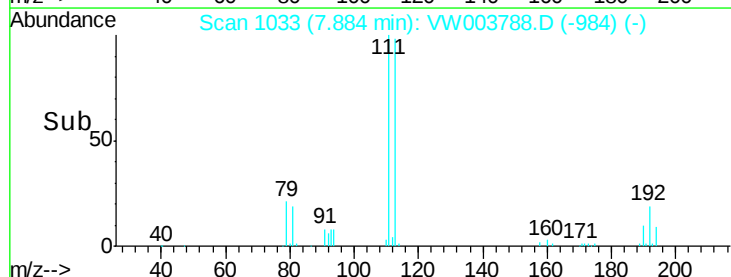
192 20.2 15.8 23.8

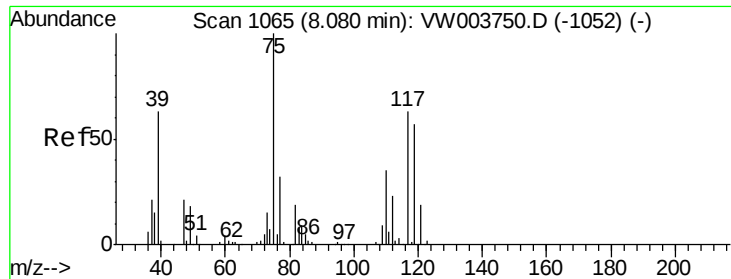


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

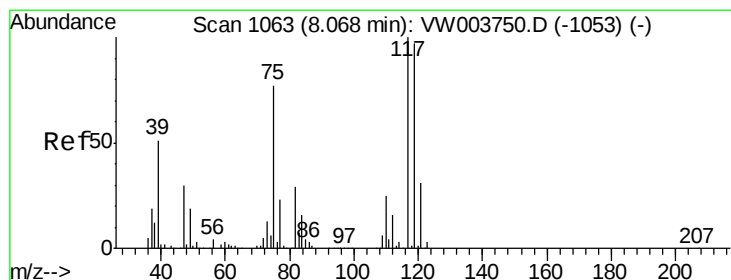
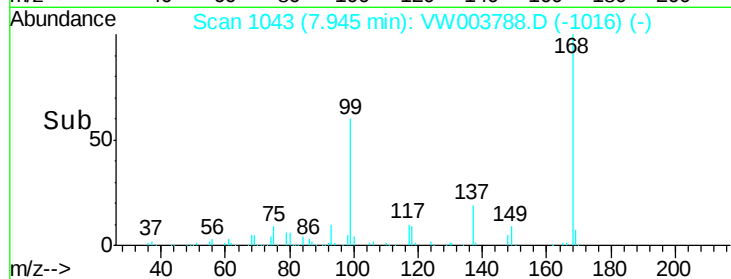
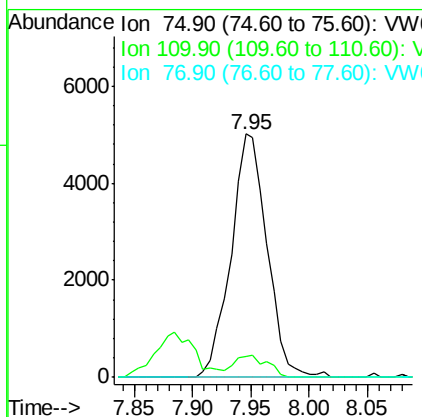
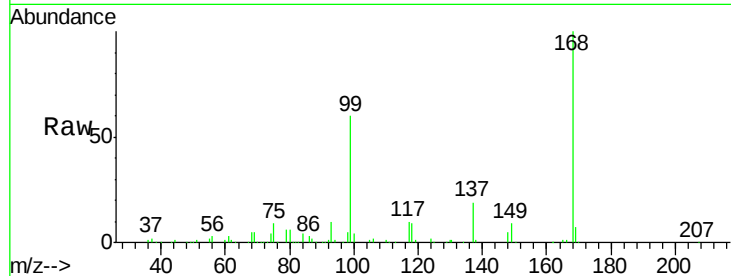




#36
 1,1-Dichloropropene
 Concen: 4.868 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003788.D
 Acq: 09 Jul 2018 19:54

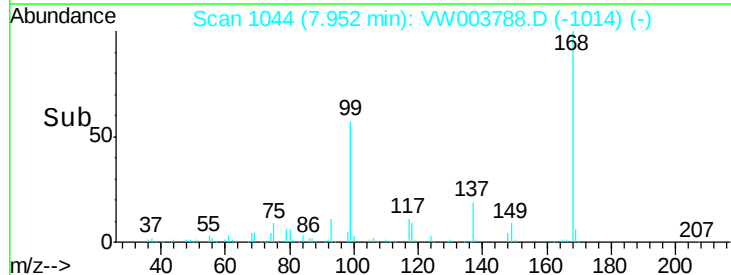
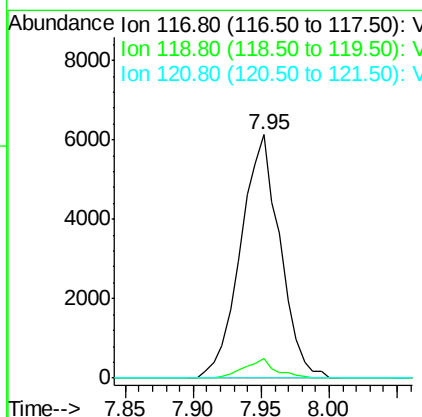
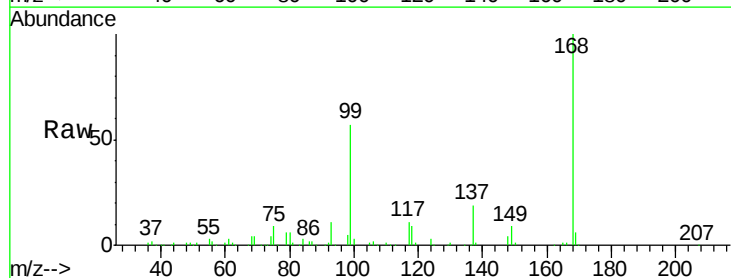
Instrument :
 MSVOA_W
 ClientSampleId :
 STOCK-PILE-A

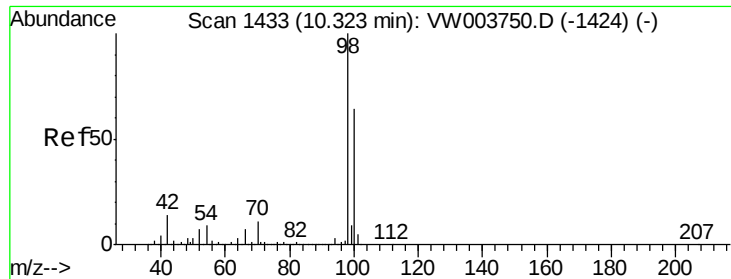
Tot Ion: 75 Resp: 10820
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.881 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003788.D
 Acq: 09 Jul 2018 19:54

Tgt Ion: 117 Resp: 12430
 Ion Ratio Lower Upper
 117 100
 119 7.8 77.4 116.2#
 121 0.0 24.6 37.0#

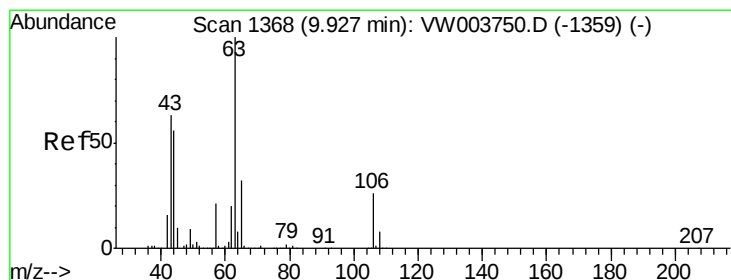
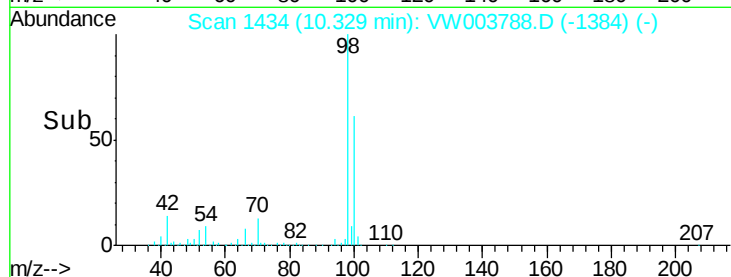
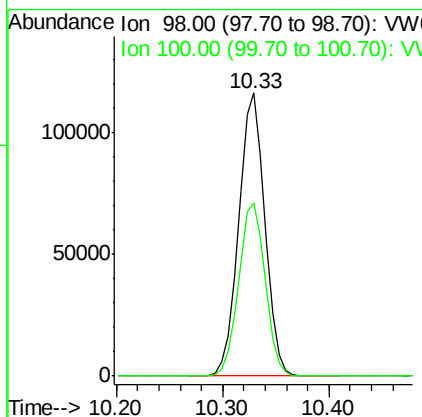
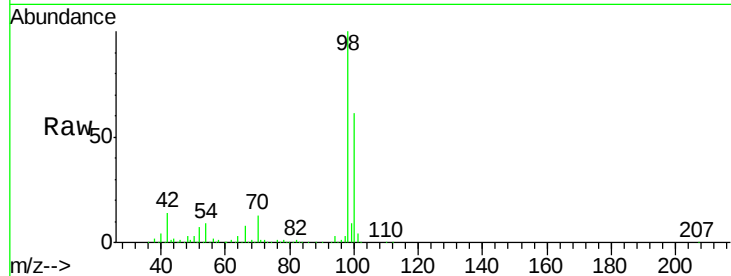




#50
Toluene-d8
Concen: 35.748 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003788.D
Acq: 09 Jul 2018 19:54

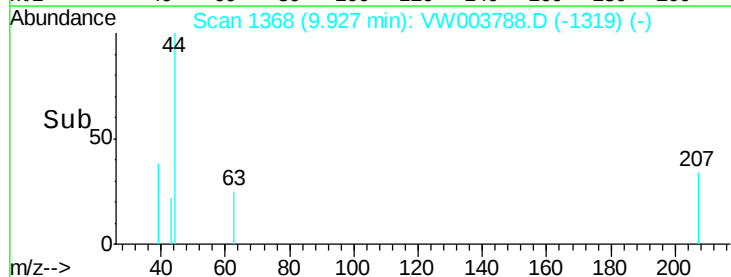
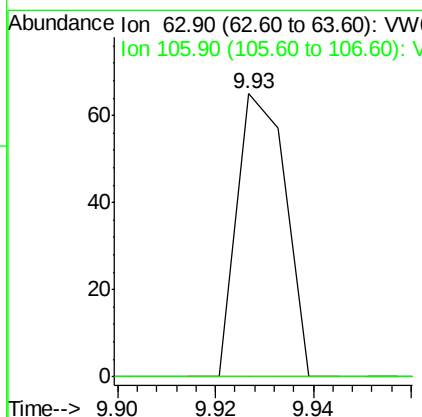
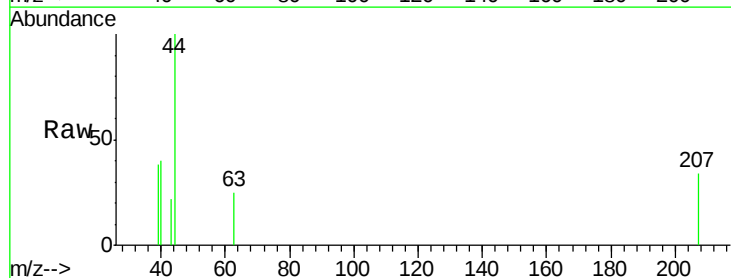
Instrument :
MSVOA_W
ClientSampleId :
STOCK-PILE-A

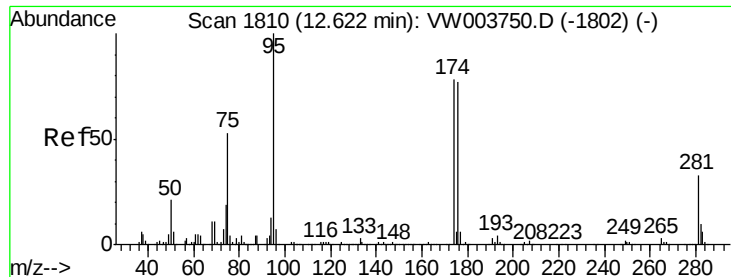
Tot Ion: 98 Resp: 200500
Ion Ratio Lower Upper
98 100
100 62.1 50.8 76.2



#58
2-Chloroethyl Vinyl ether
Concen: 13.223 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VW003788.D
Acq: 09 Jul 2018 19:54

Tgt Ion: 63 Resp: 45
Ion Ratio Lower Upper
63 100
106 0.0 20.9 31.3#

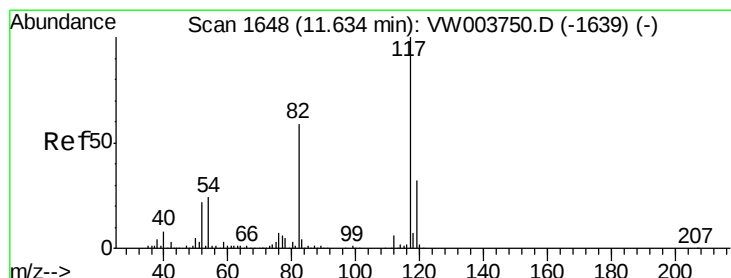
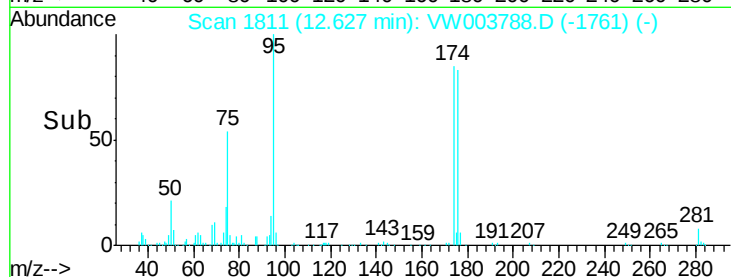
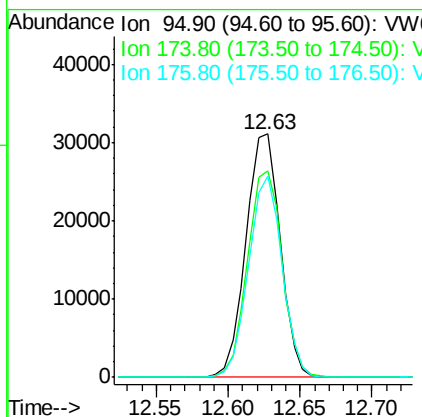
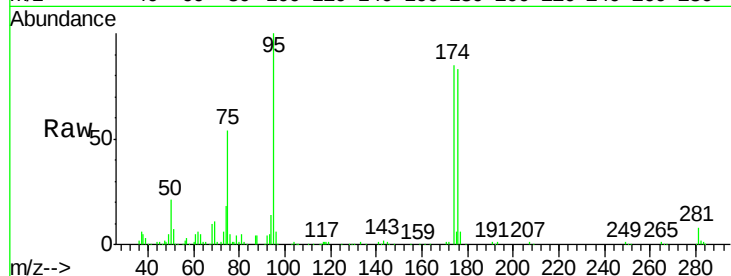




#62
4-Bromofluorobenzene
Concen: 25.196 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW003788.D
Acq: 09 Jul 2018 19:54

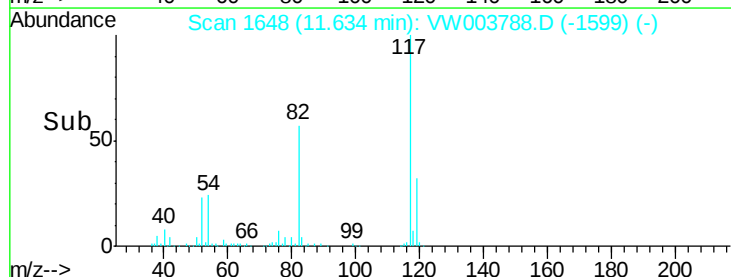
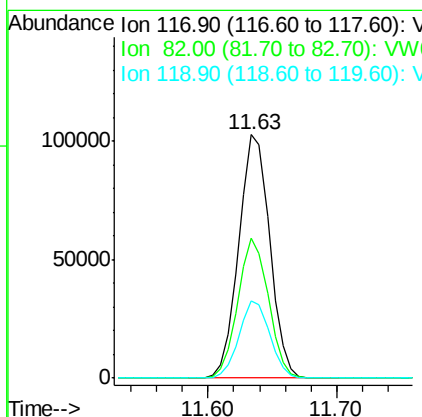
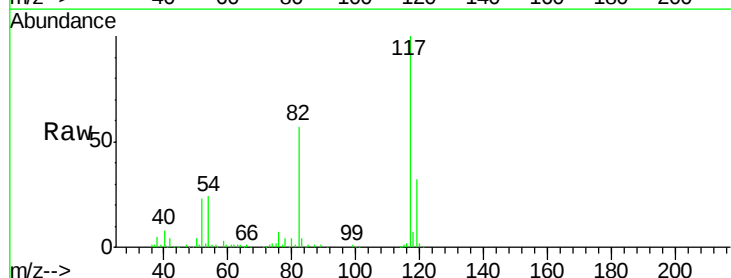
Instrument :
MSVOA_W
ClientSampleId :
STOCK-PILE-A

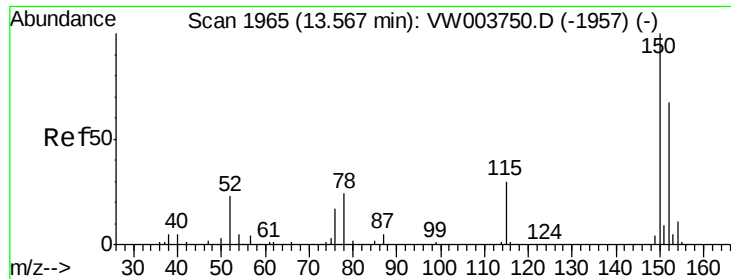
Tot Ion: 95 Resp: 51132
Ion Ratio Lower Upper
95 100
174 85.6 0.0 163.4
176 80.7 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003788.D
Acq: 09 Jul 2018 19:54

Tgt Ion: 117 Resp: 171410
Ion Ratio Lower Upper
117 100
82 57.5 46.9 70.3
119 31.7 25.5 38.3



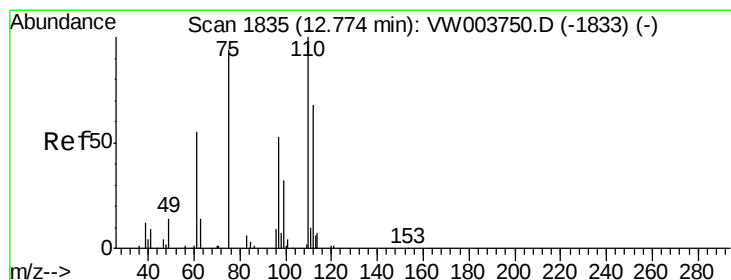
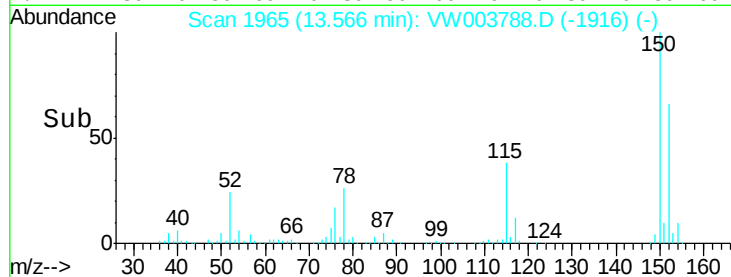
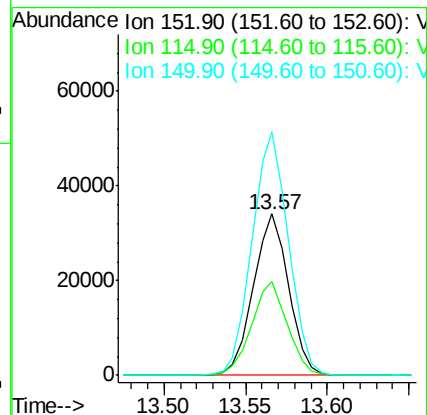
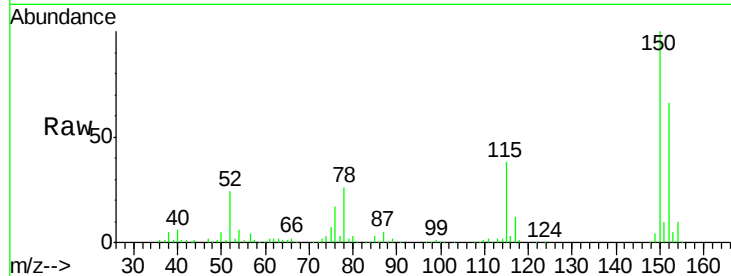


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003788.D
Acq: 09 Jul 2018 19:54

Instrument :
MSVOA_W
ClientSampleId :
STOCK-PILE-A

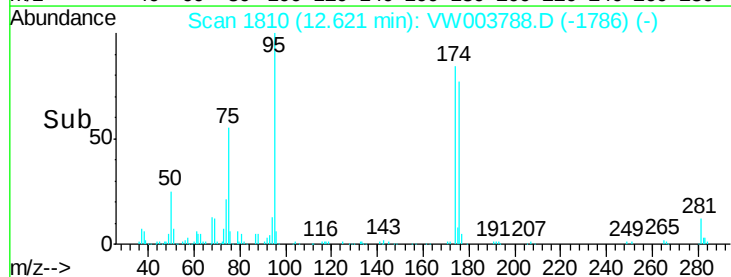
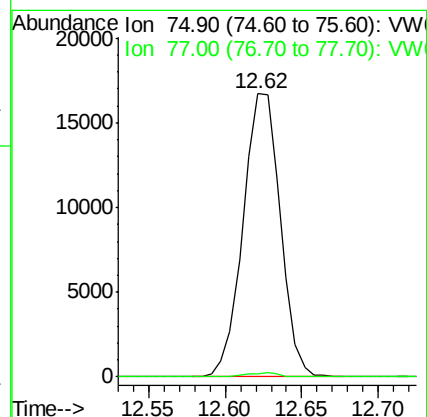
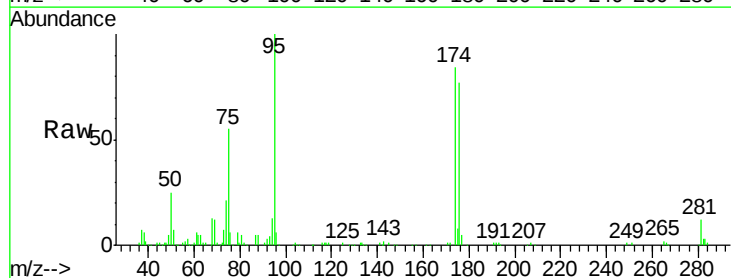
Tot Ion:152 Resp: 51067
Ion Ratio Lower Upper
152 100
115 59.1 28.9 86.8
150 156.3 0.0 342.4

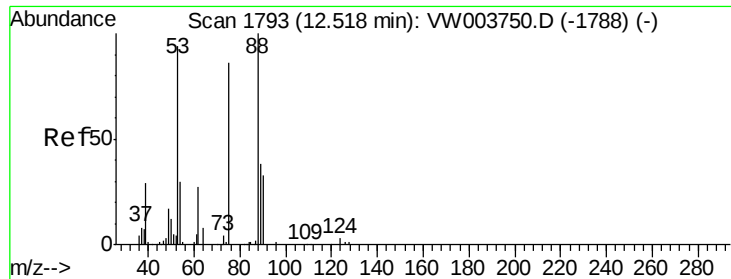


#76

1,2,3-Trichloropropane
Concen: 56.470 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003788.D
Acq: 09 Jul 2018 19:54

Tgt Ion: 75 Resp: 28318
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 138.139 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003788.D

Acq: 09 Jul 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

STOCK-PILE-A

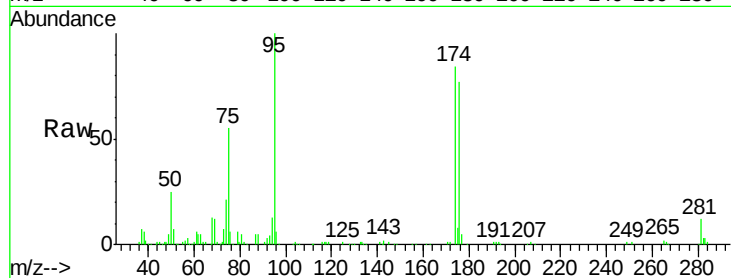
Tot Ion: 75 Resp: 28318

Ion Ratio Lower Upper

75 100

53 0.3 85.0 127.6#

89 0.0 36.3 54.5#



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

