

Data File : VW010602.D
Acq On : 29 May 2019 20:21
Operator : SY/VA
Sample : K3084-05
Misc : 5.97G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-8

Quant Time: May 30 08:37:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	125822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	230076	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	206212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	87416	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	72723	56.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.00%	
35) Dibromofluoromethane	7.88	113	68615	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	10.32	98	282522	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.62	95	103329	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds

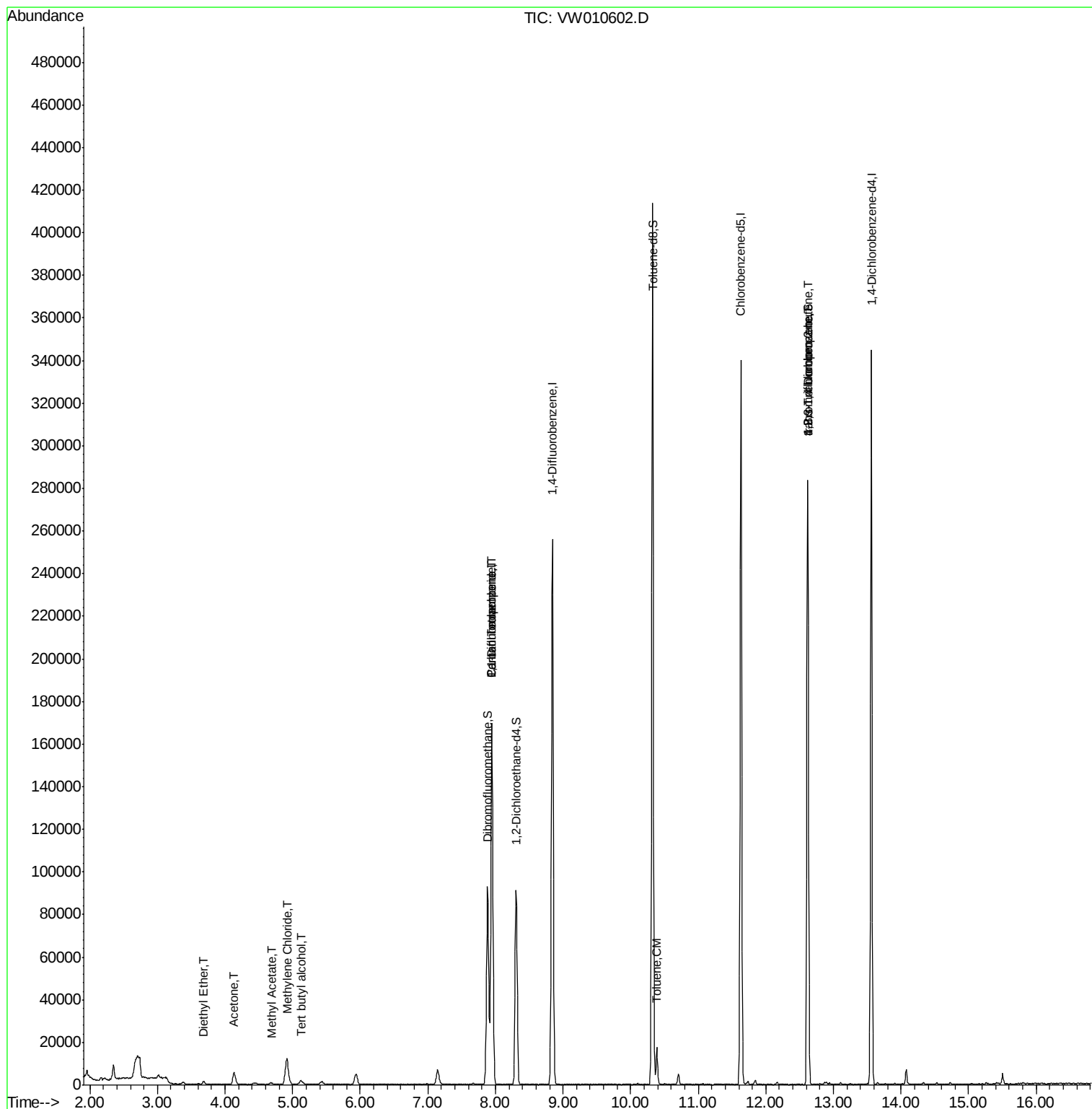
						Qvalue
8) Diethyl Ether	3.68	74	725	1.012	ug/l	99
11) Tert butyl alcohol	5.13	59	1933	16.547	ug/l #	71
16) Acetone	4.13	43	10804	40.756	ug/l	95
18) Methyl Acetate	4.69	43	1865	2.877	ug/l	97
20) Methylene Chloride	4.92	84	10298	1.724	ug/l	97
36) 1,1-Dichloropropene	7.94	75	9682	4.517	ug/l #	49
38) Carbon Tetrachloride	7.95	117	13044	5.642	ug/l #	15
52) Toluene	10.39	92	7679	1.919	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	49511	55.798	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	49511	116.452	ug/l #	14

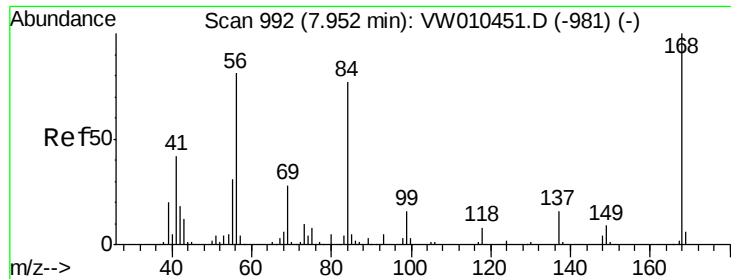
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010602.D

Acq: 29 May 2019 20:21

Instrument :

MSVOA_W

ClientSampled :

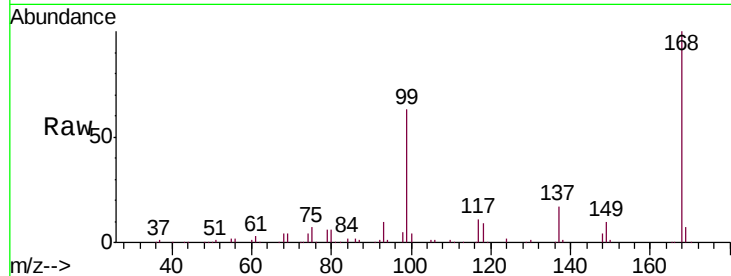
TEST-PIT-8

Tgt Ion:168 Resp: 125822

Ion Ratio Lower Upper

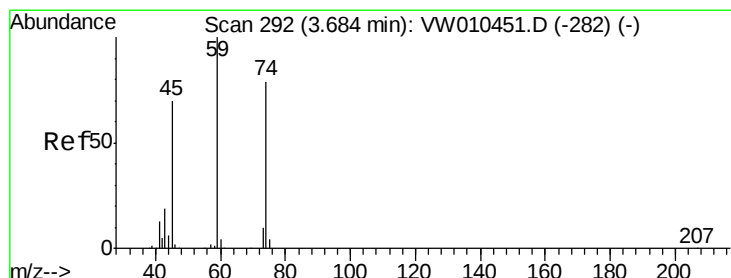
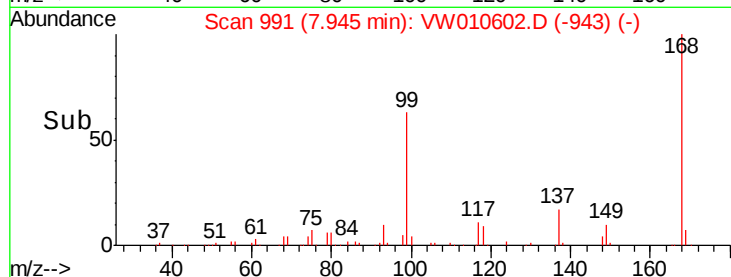
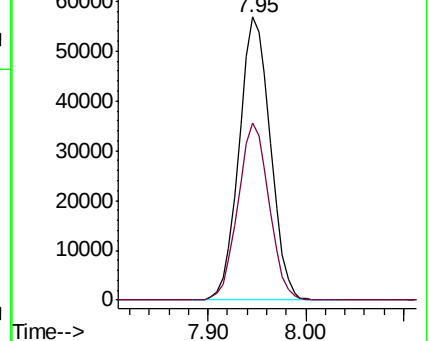
168 100

99 62.5 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.012 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW010602.D

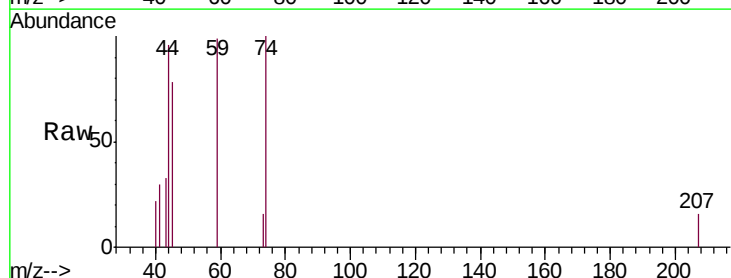
Acq: 29 May 2019 20:21

Tgt Ion: 74 Resp: 725

Ion Ratio Lower Upper

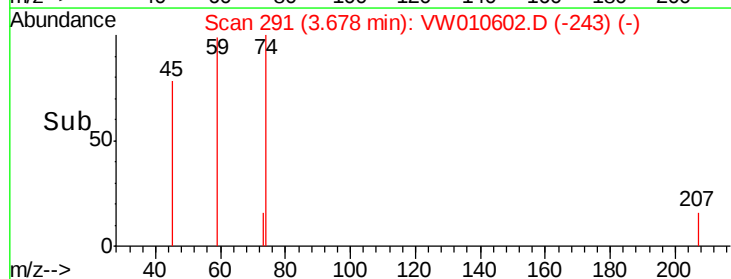
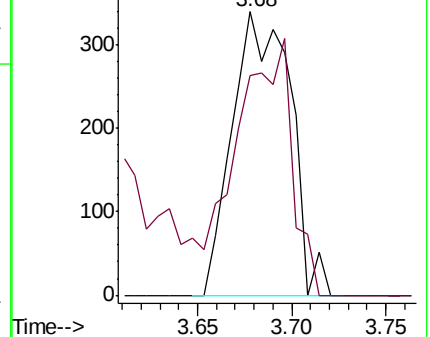
74 100

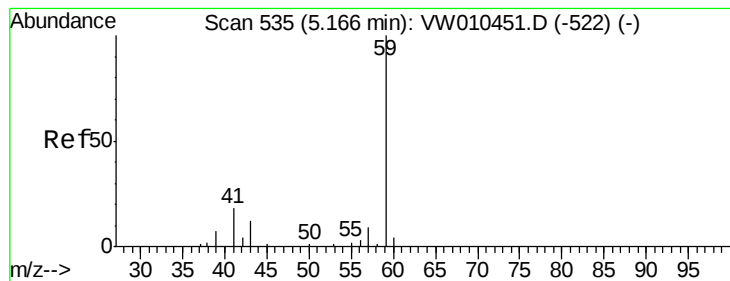
45 84.6 42.9 128.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



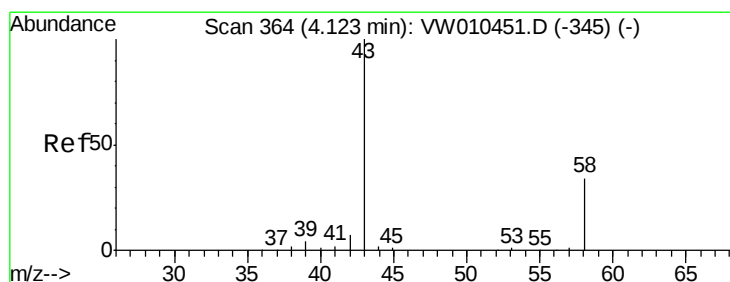
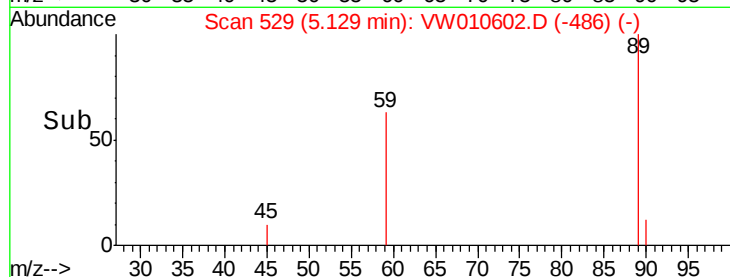
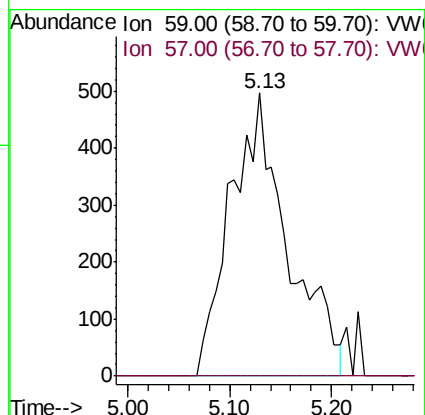
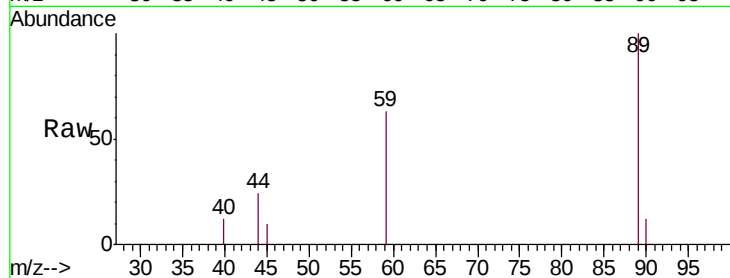


#11

Tert butyl alcohol
 Concen: 16.547 ug/l
 RT: 5.13 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VW010602.D
 Acq: 29 May 2019 20:21

Instrument :
 MSVOA_W
 ClientSampled :
 TEST-PIT-8

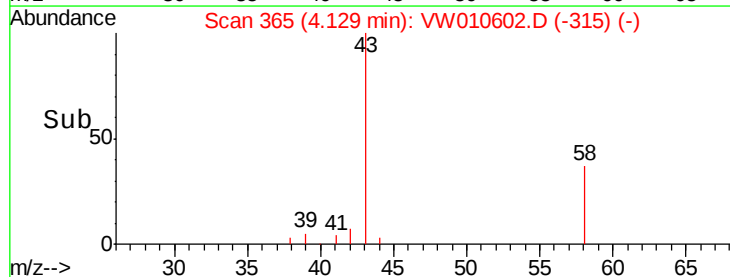
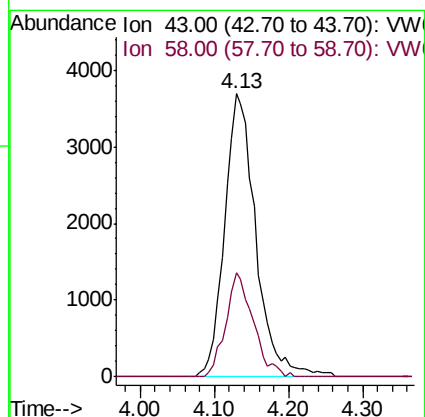
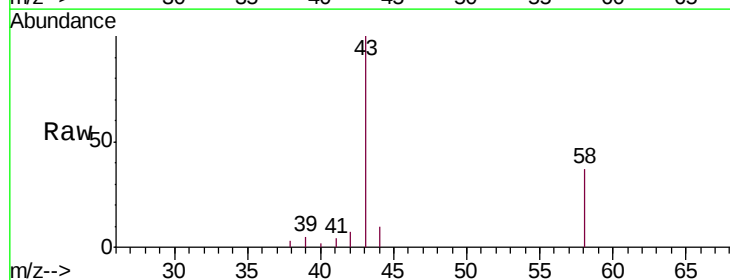
Tgt Ion: 59 Resp: 1933
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

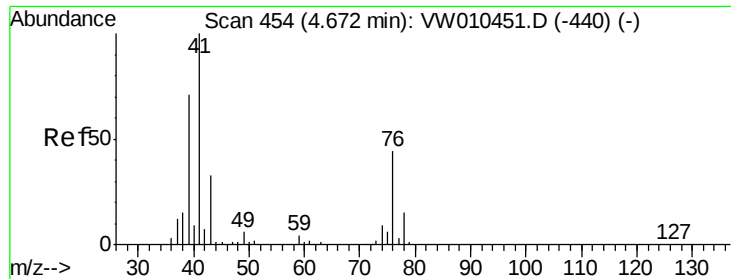


#16

Acetone
 Concen: 40.756 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW010602.D
 Acq: 29 May 2019 20:21

Tgt Ion: 43 Resp: 10804
 Ion Ratio Lower Upper
 43 100
 58 36.7 27.0 40.4

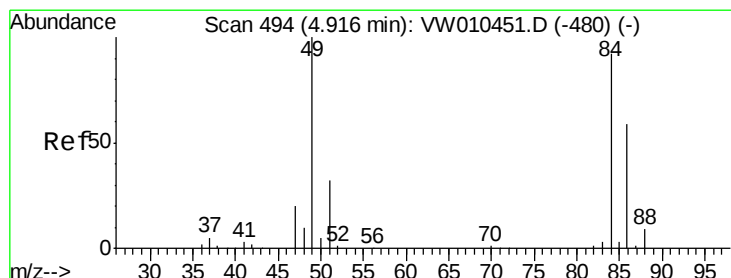
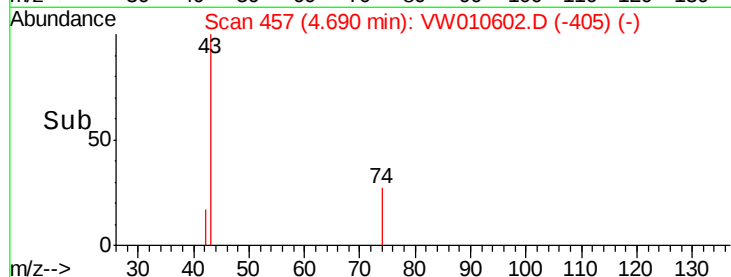
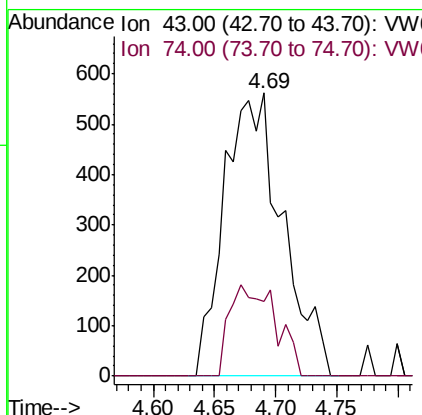
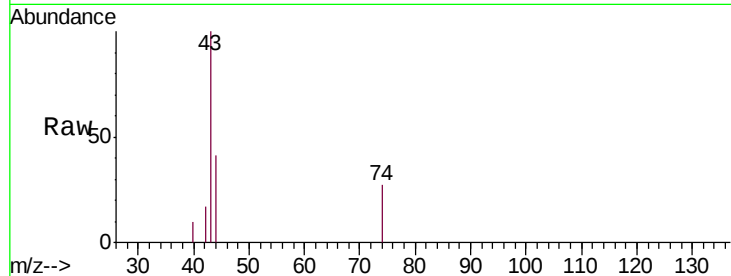




#18
Methyl Acetate
Concen: 2.877 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.02 min
Lab File: VW010602.D
Acq: 29 May 2019 20:21

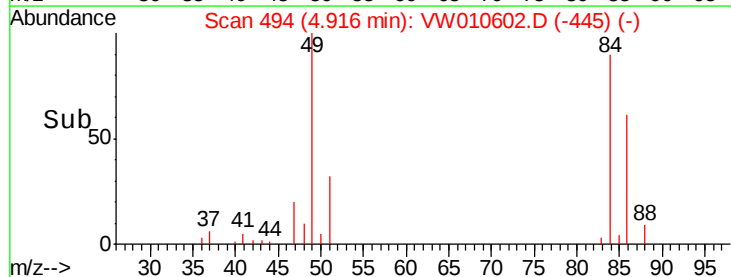
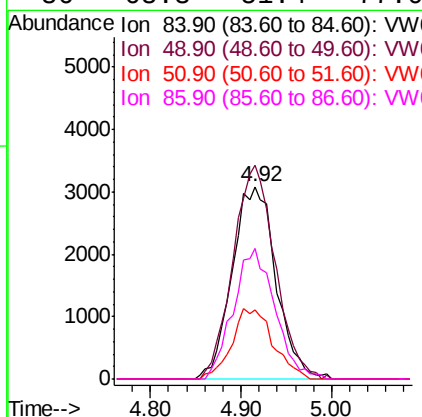
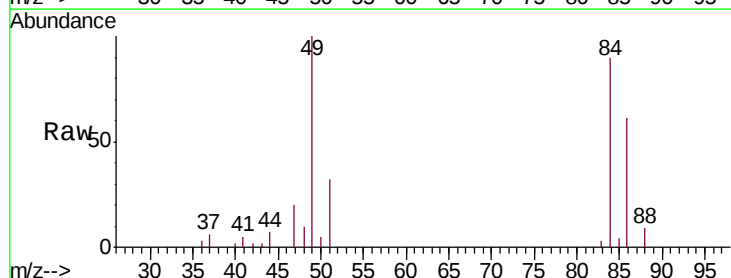
Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-8

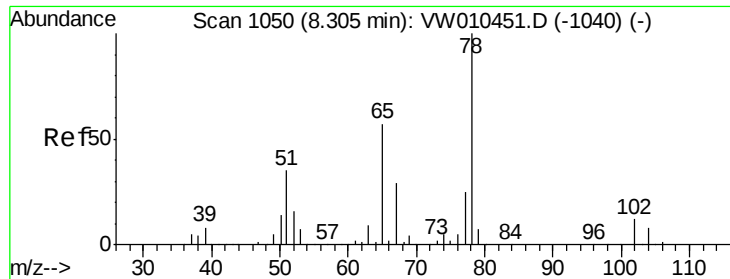
Tgt Ion: 43 Resp: 1865
Ion Ratio Lower Upper
43 100
74 25.4 21.6 32.4



#20
Methylene Chloride
Concen: 1.724 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010602.D
Acq: 29 May 2019 20:21

Tgt Ion: 84 Resp: 10298
Ion Ratio Lower Upper
84 100
49 111.1 87.2 130.8
51 35.7 27.7 41.5
86 68.3 51.4 77.0

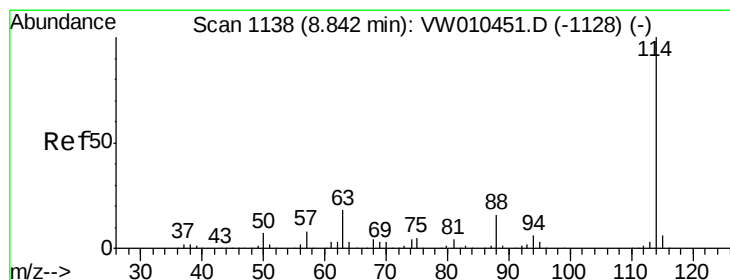
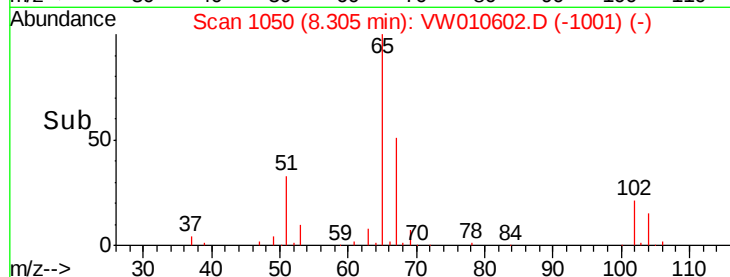
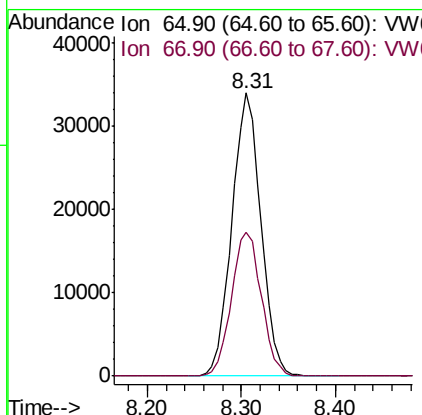
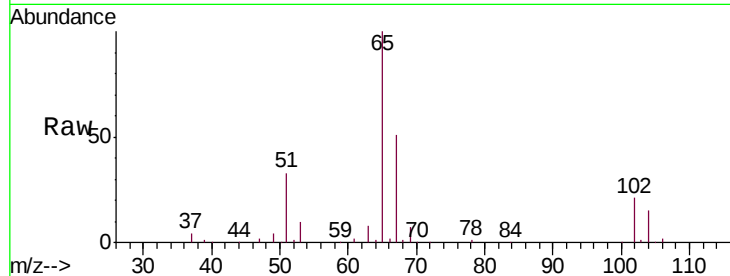




#33
 1,2-Dichloroethane-d4
 Concen: 55.997 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010602.D
 Acq: 29 May 2019 20:21

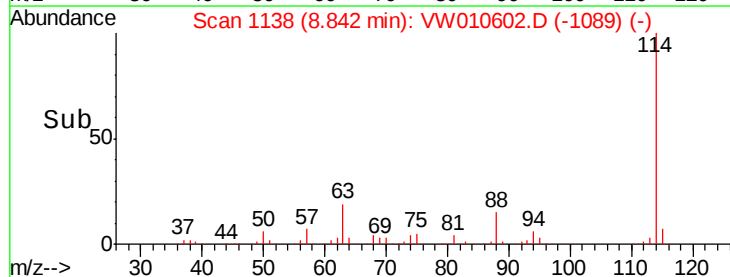
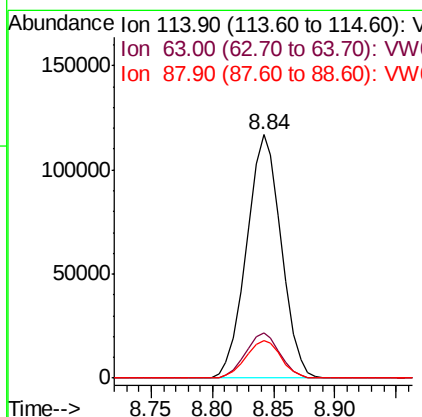
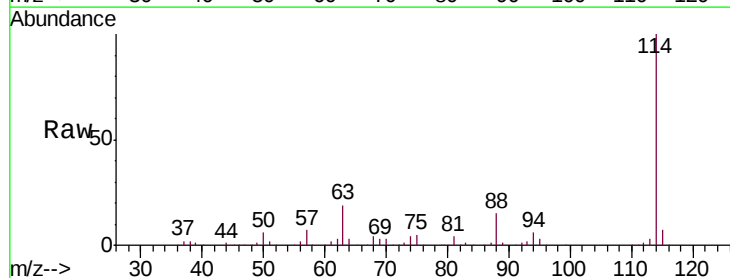
Instrument :
 MSVOA_W
 ClientSampleId :
 TEST-PIT-8

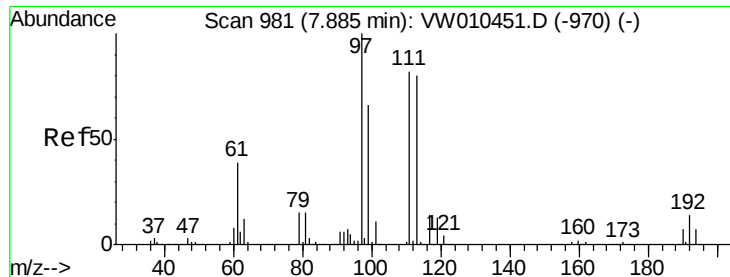
Tgt Ion: 65 Resp: 72723
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010602.D
 Acq: 29 May 2019 20:21

Tgt Ion: 114 Resp: 230076
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.0
 88 15.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.149 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010602.D

Acq: 29 May 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

TEST-PIT-8

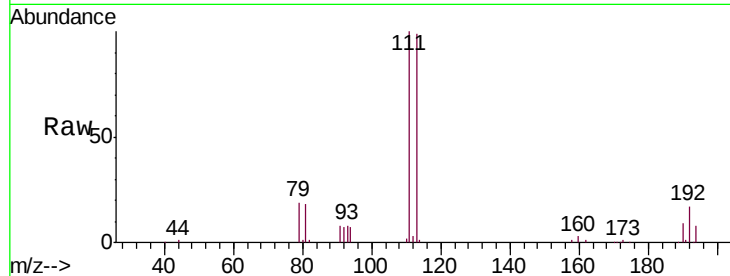
Tgt Ion:113 Resp: 68615

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

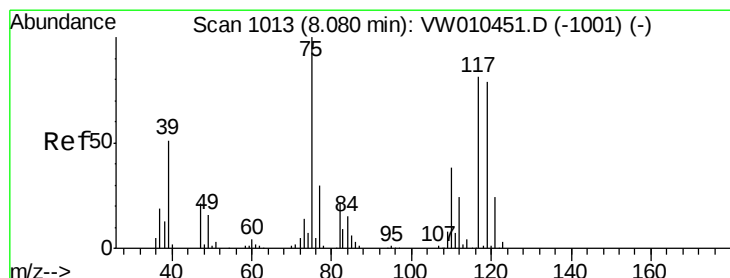
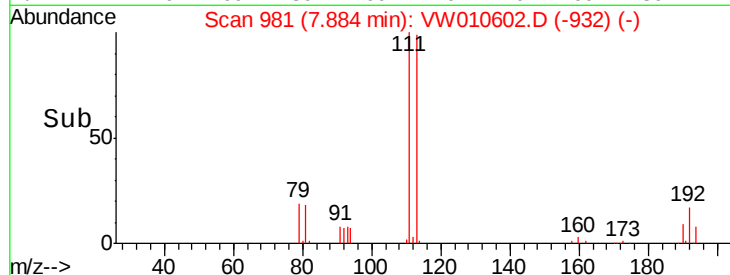
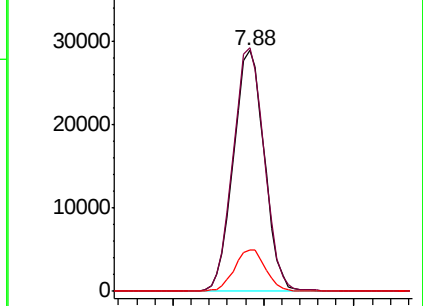
192 17.5 14.3 21.5



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: 4.517 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW010602.D

Acq: 29 May 2019 20:21

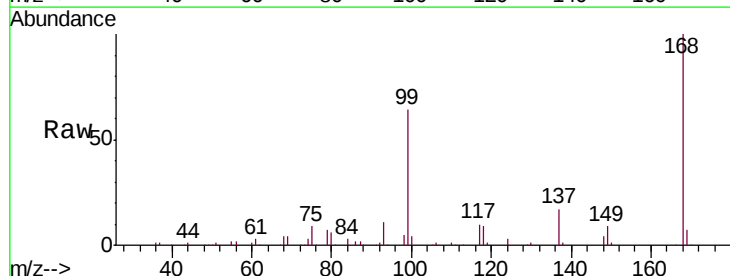
Tgt Ion: 75 Resp: 9682

Ion Ratio Lower Upper

75 100

110 10.5 19.2 57.6#

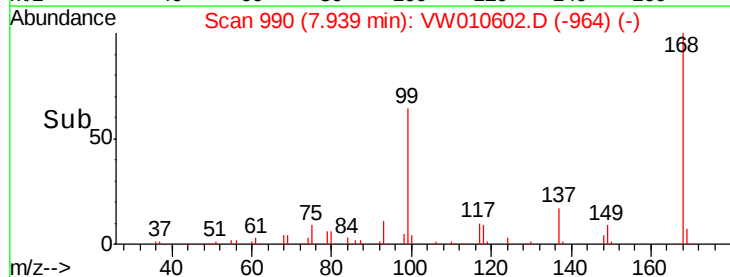
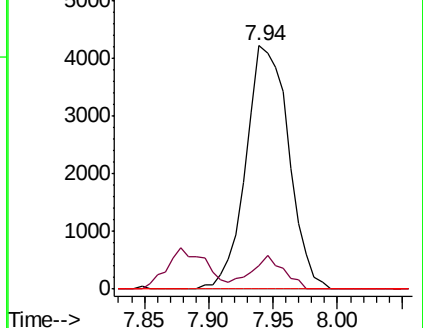
77 0.0 25.2 37.8#

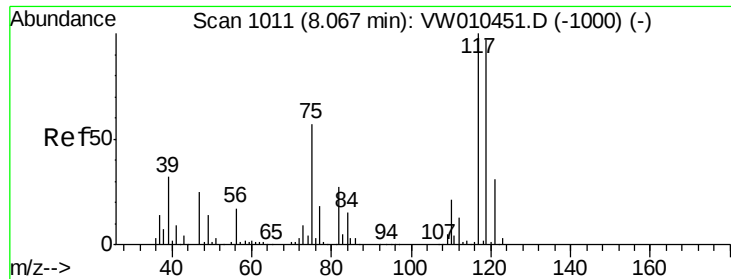


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

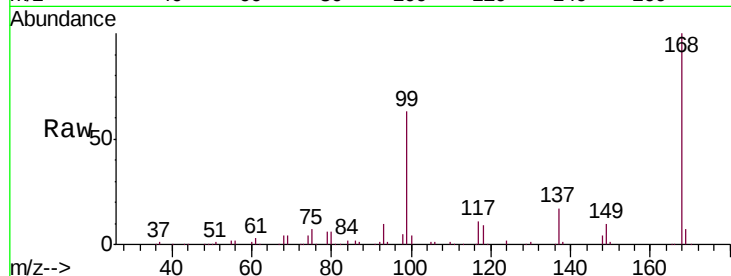




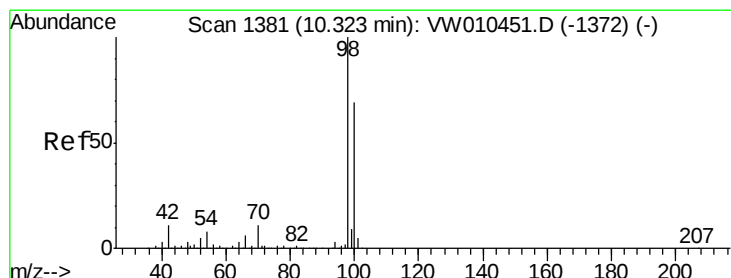
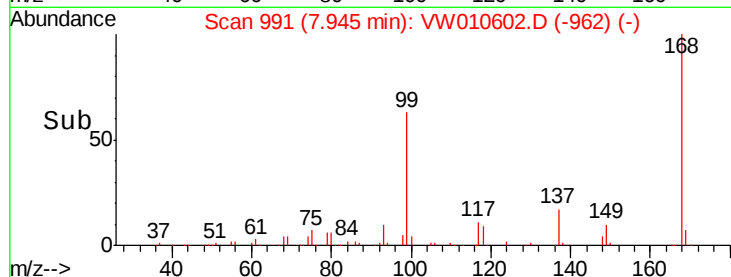
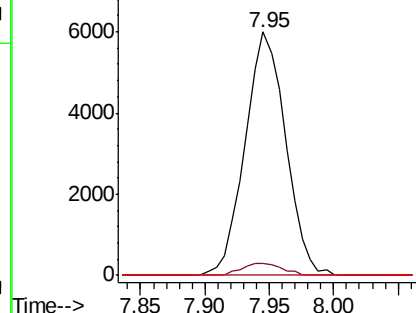
#38
Carbon Tetrachloride
Concen: 5.642 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010602.D
Acq: 29 May 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-8

Tgt Ion: 117 Resp: 13044
Ion Ratio Lower Upper
117 100
119 4.7 77.4 116.0#
121 0.0 25.0 37.6#

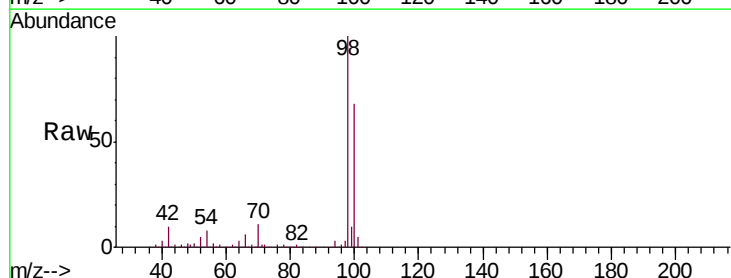


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

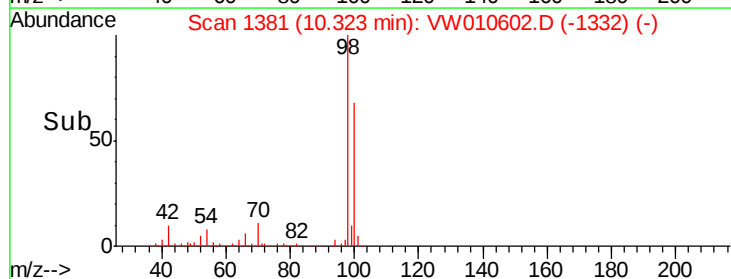
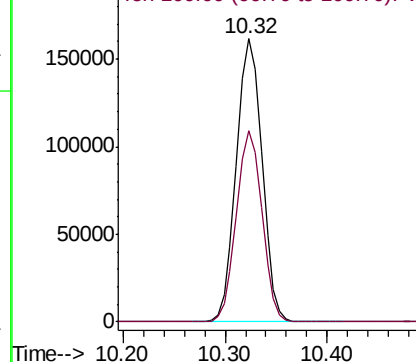


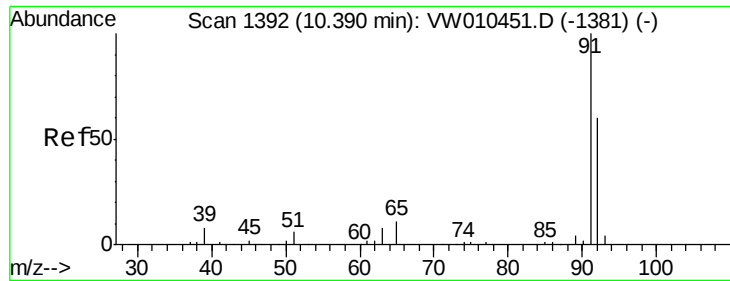
#50
Toluene-d8
Concen: 52.974 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010602.D
Acq: 29 May 2019 20:21

Tgt Ion: 98 Resp: 282522
Ion Ratio Lower Upper
98 100
100 67.1 53.7 80.5



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





#52

Toluene

Concen: 1.919 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010602.D

Acq: 29 May 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

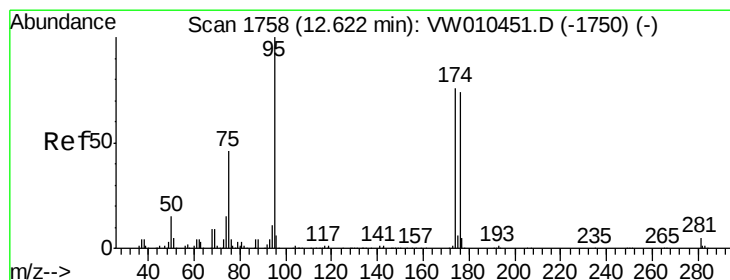
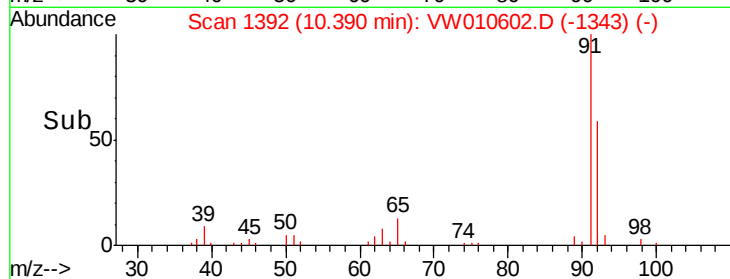
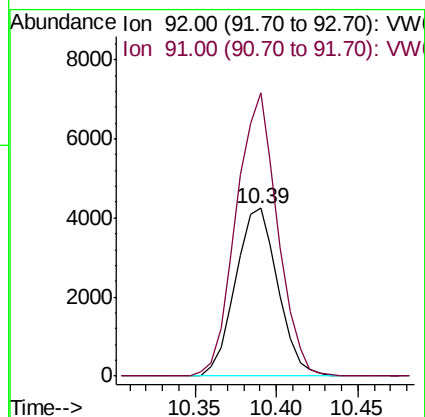
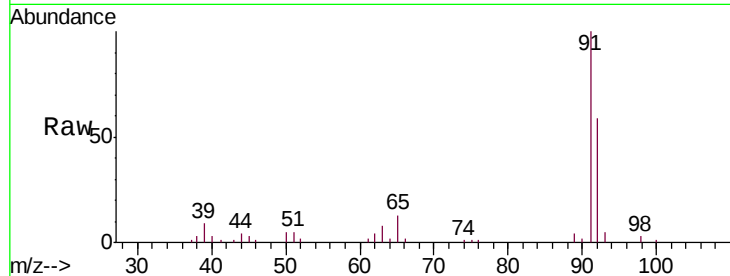
TEST-PIT-8

Tgt Ion: 92 Resp: 7679

Ion Ratio Lower Upper

92 100

91 164.5 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 48.641 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010602.D

Acq: 29 May 2019 20:21

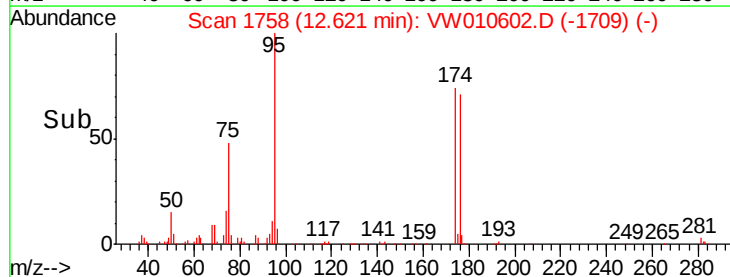
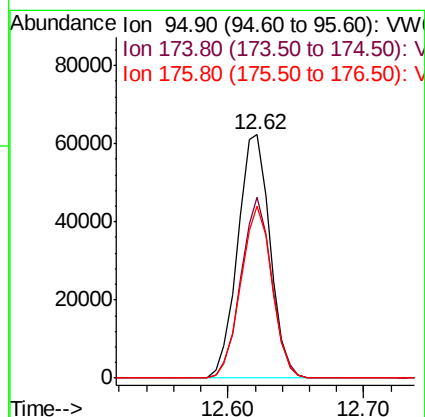
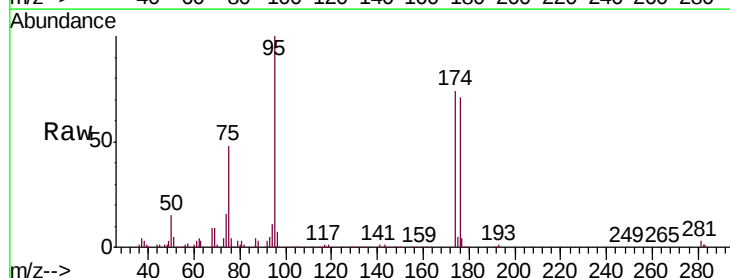
Tgt Ion: 95 Resp: 103329

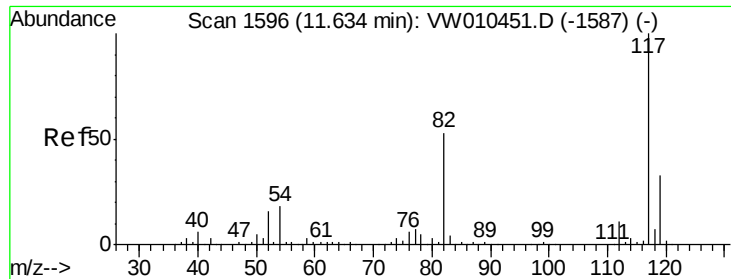
Ion Ratio Lower Upper

95 100

174 70.7 0.0 148.6

176 68.4 0.0 144.2

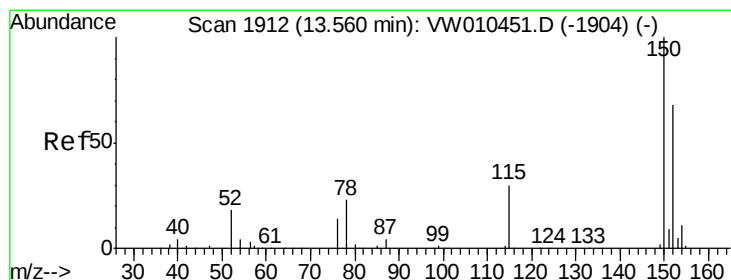
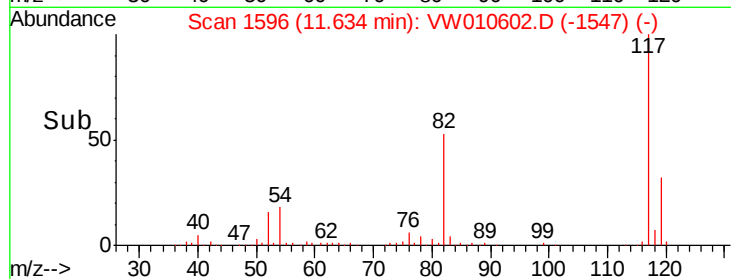
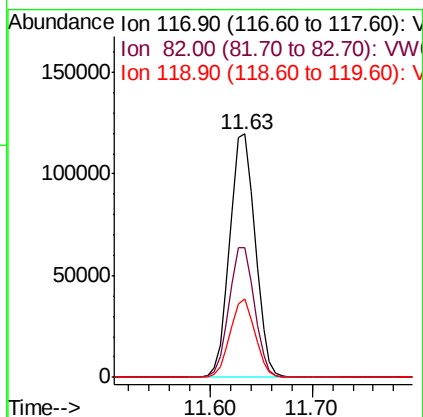
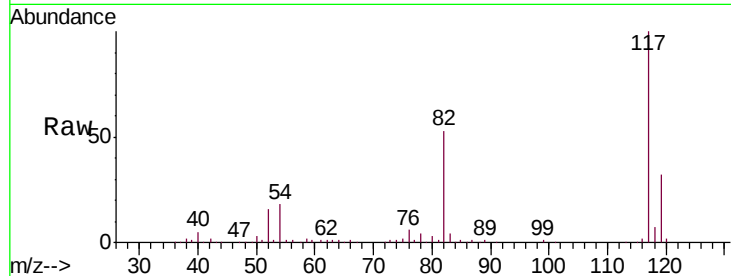




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010602.D
Acq: 29 May 2019 20:21

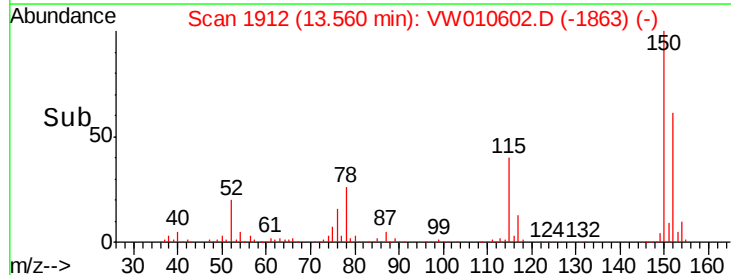
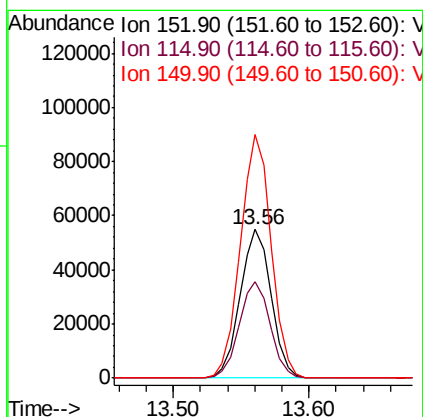
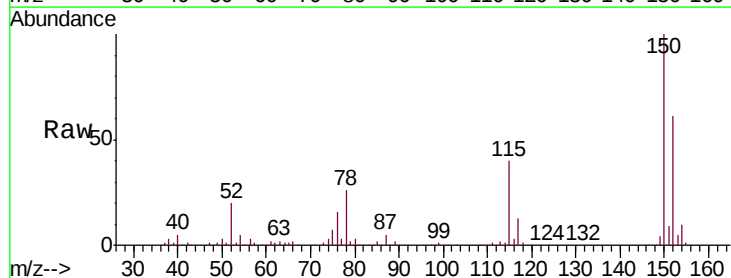
Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-8

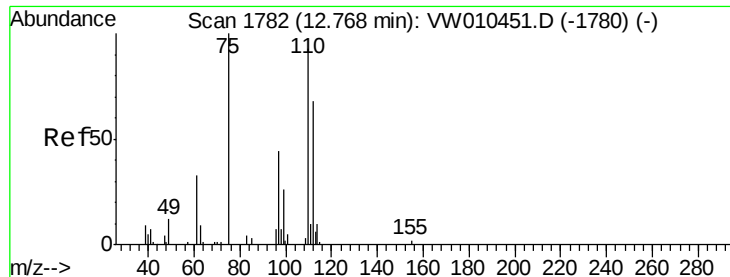
Tgt Ion:117 Resp: 206212
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010602.D
Acq: 29 May 2019 20:21

Tgt Ion:152 Resp: 87416
Ion Ratio Lower Upper
152 100
115 64.4 30.3 91.0
150 162.0 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 55.798 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010602.D

Acq: 29 May 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

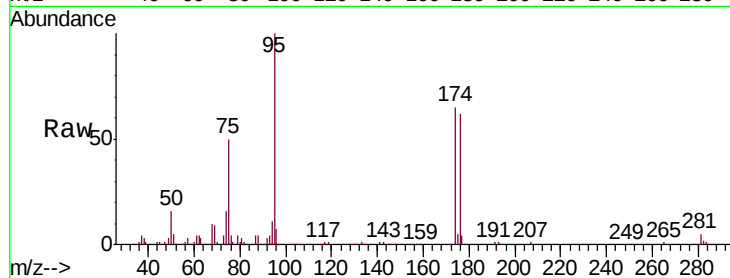
TEST-PIT-8

Tgt Ion: 75 Resp: 49511

Ion Ratio Lower Upper

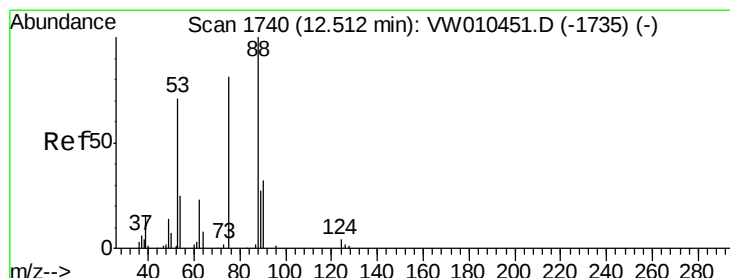
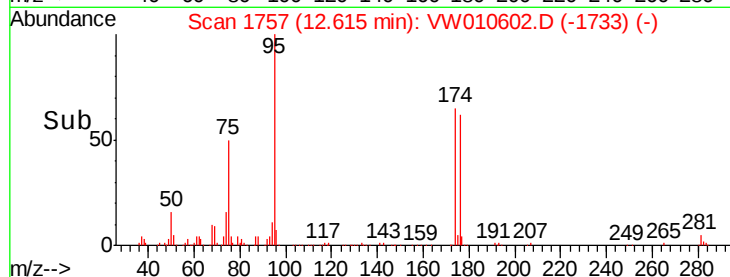
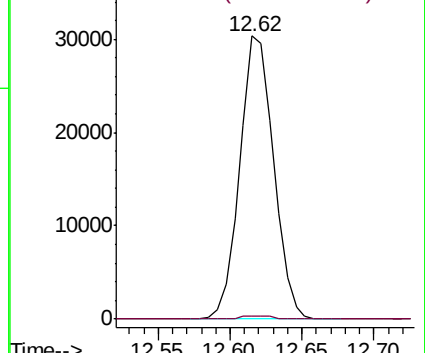
75 100

77 1.1 170.0 510.1#



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: 116.452 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010602.D

Acq: 29 May 2019 20:21

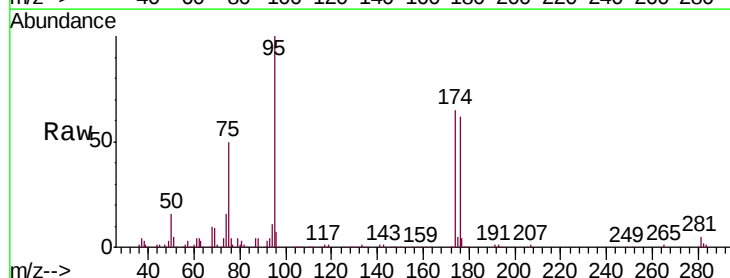
Tgt Ion: 75 Resp: 49511

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#



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

