

Data File : VW010591.D
Acq On : 29 May 2019 15:19
Operator : SY/VA
Sample : K3075-03
Misc : 5.48G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-2

Quant Time: May 30 07:13:16 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	27902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	46833	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	41287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	17195	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	14597	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
35) Dibromofluoromethane	7.88	113	13340	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
50) Toluene-d8	10.32	98	57127	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.62	95	20870	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	

Target Compounds

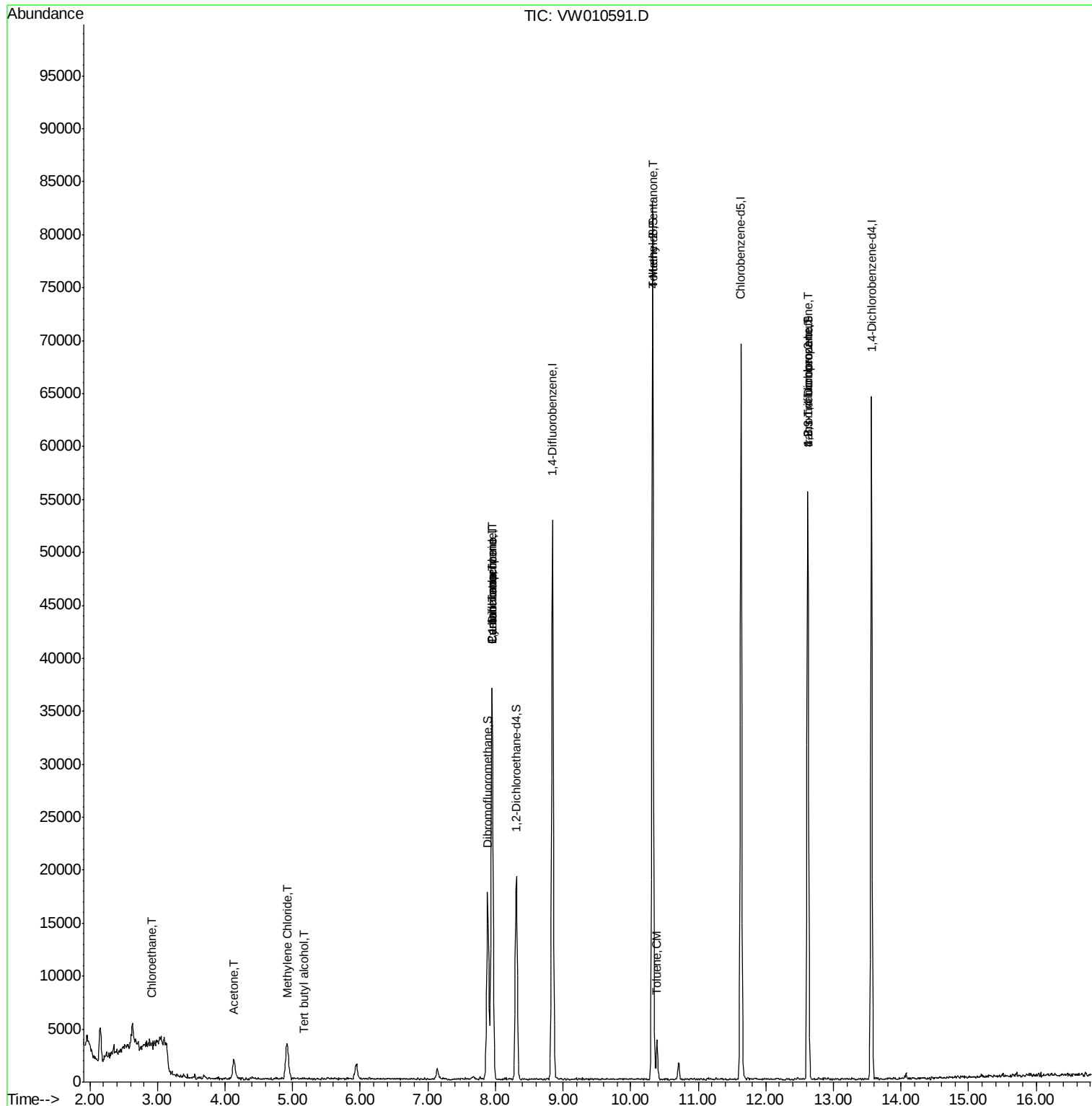
						Qvalue
6) Chloroethane	2.92	64	250	1.147	ug/l #	43
11) Tert butyl alcohol	5.17	59	48	1.853	ug/l #	71
13) Acrolein	3.79	56	22	Below Cal	#	13
16) Acetone	4.13	43	3403	57.888	ug/l	92
20) Methylene Chloride	4.92	84	2987	3.993	ug/l	94
31) Cyclohexane	7.95	56	550	1.006	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	2132	4.887	ug/l #	43
38) Carbon Tetrachloride	7.95	117	2912	6.187	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	280	1.491	ug/l #	1
52) Toluene	10.39	92	1659	2.037	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	9738	55.792	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	9738	116.440	ug/l #	14

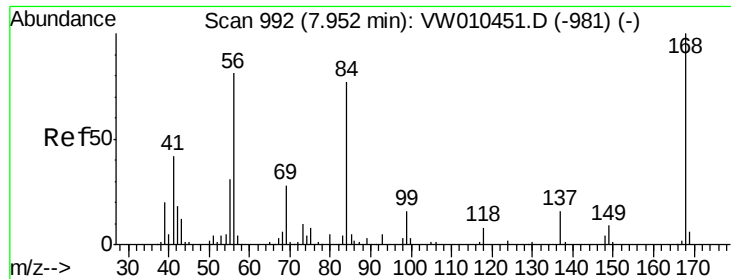
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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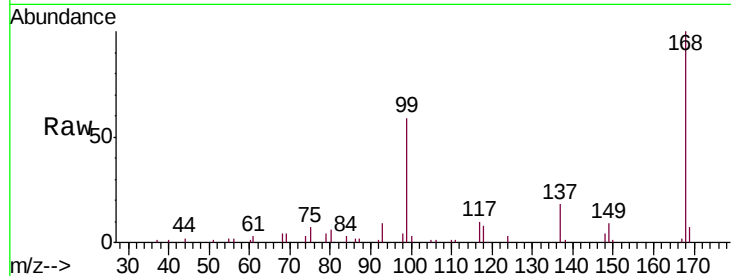




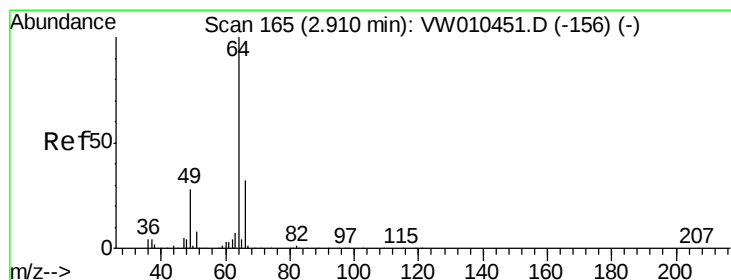
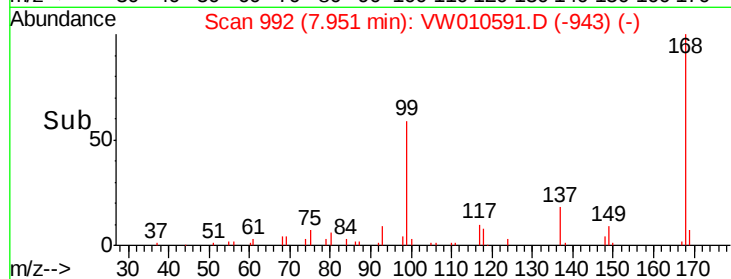
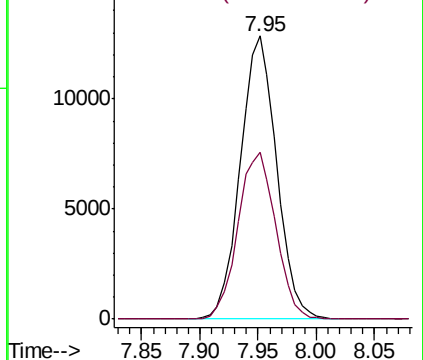
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010591.D
Acq: 29 May 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-2

Tgt Ion: 168 Resp: 27902
Ion Ratio Lower Upper
168 100
99 59.1 46.1 69.1

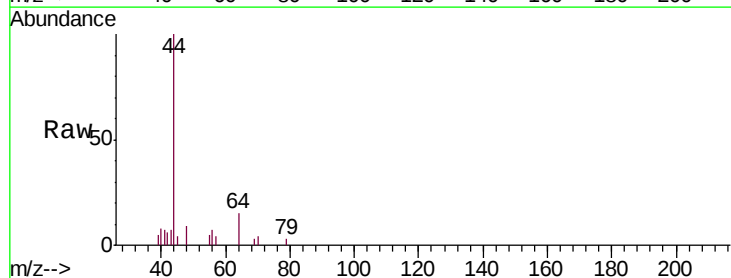


Abundance Ion 167.90 (167.60 to 168.60): VW
Ion 98.90 (98.60 to 99.60): VW

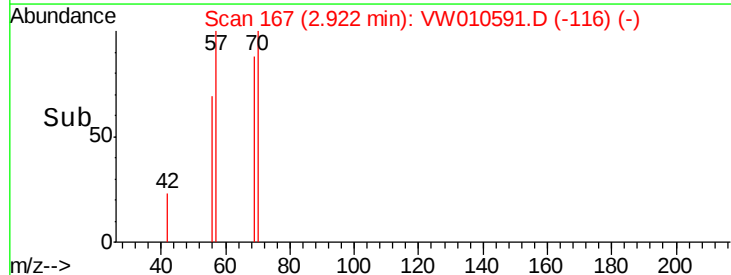
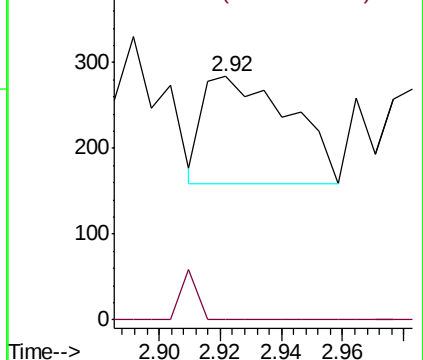


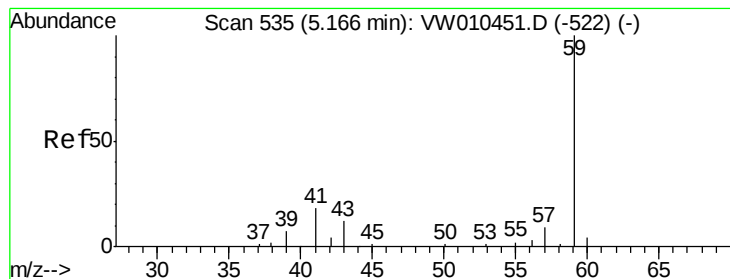
#6
Chloroethane
Concen: 1.147 ug/l
RT: 2.92 min Scan# 167
Delta R.T. 0.01 min
Lab File: VW010591.D
Acq: 29 May 2019 15:19

Tgt Ion: 64 Resp: 250
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VW
Ion 65.90 (65.60 to 66.60): VW





#11

Tert butyl alcohol

Concen: 1.853 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW010591.D

Acq: 29 May 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

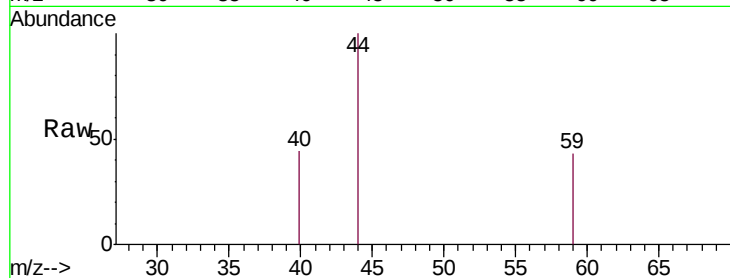
TEST-PIT-2

Tgt Ion: 59 Resp: 48

Ion Ratio Lower Upper

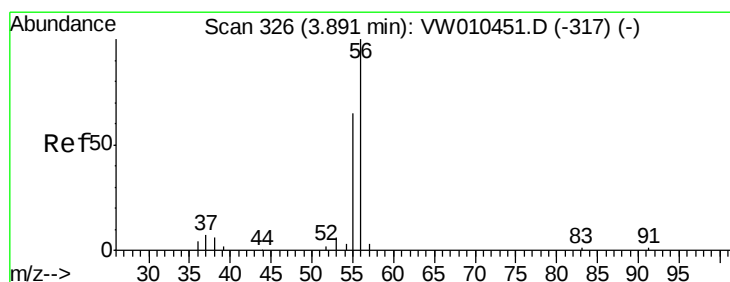
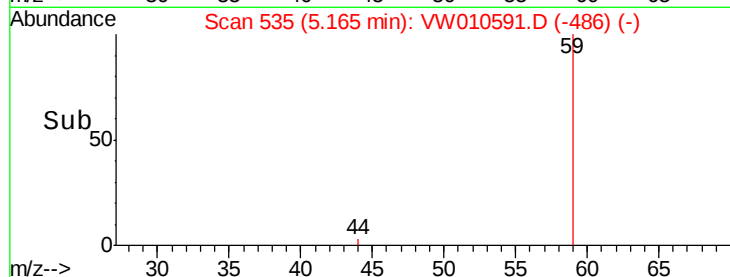
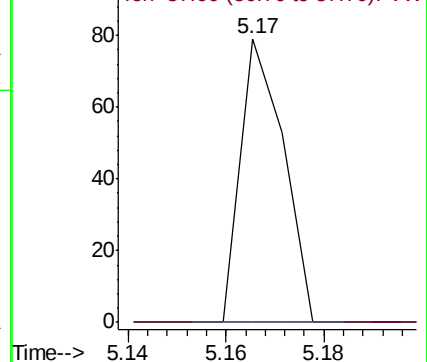
59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#13

Acrolein

Concen: Below Cal

RT: 3.79 min Scan# 309

Delta R.T. -0.10 min

Lab File: VW010591.D

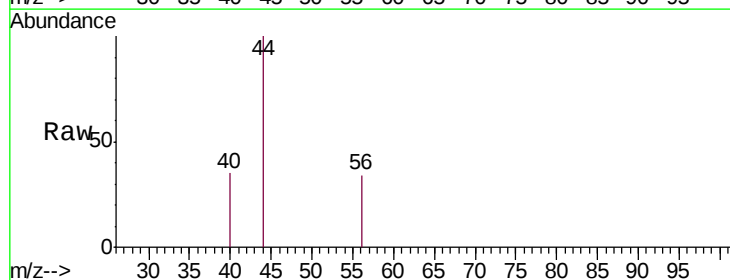
Acq: 29 May 2019 15:19

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

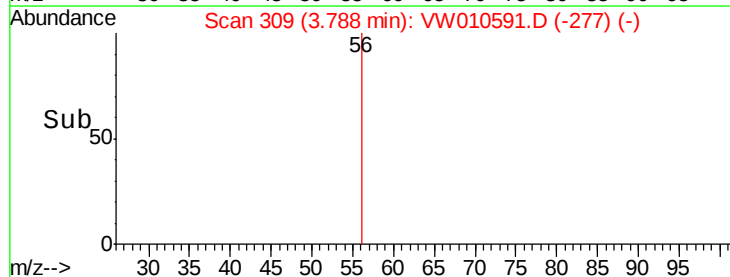
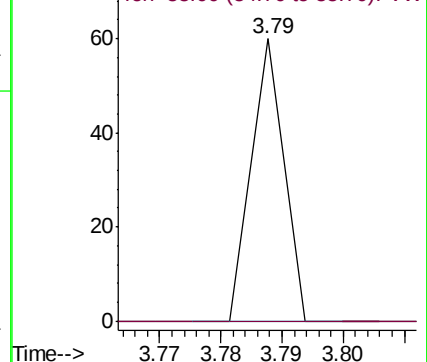
56 100

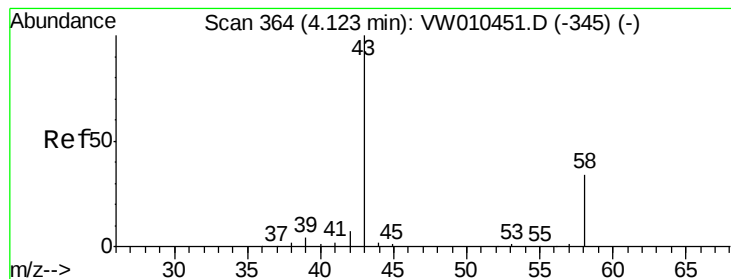
55 0.0 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 57.888 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010591.D

Acq: 29 May 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

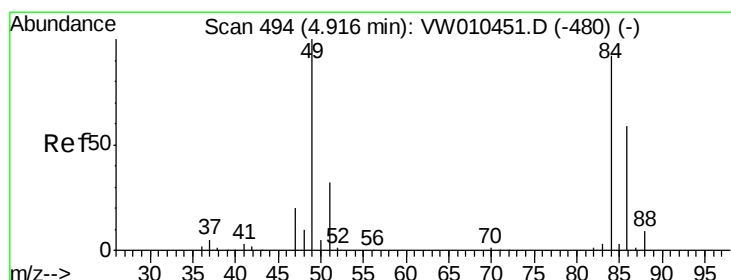
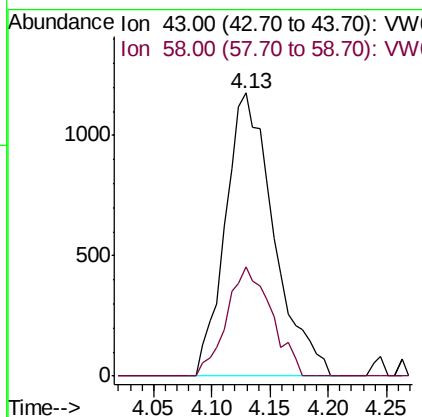
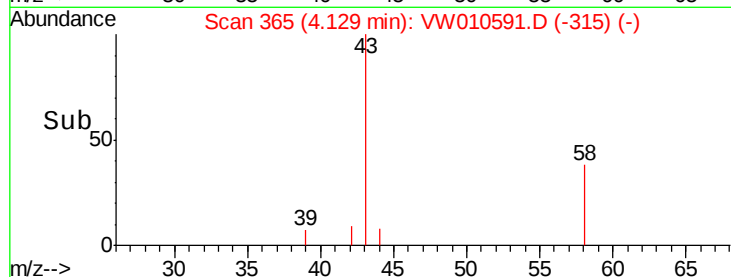
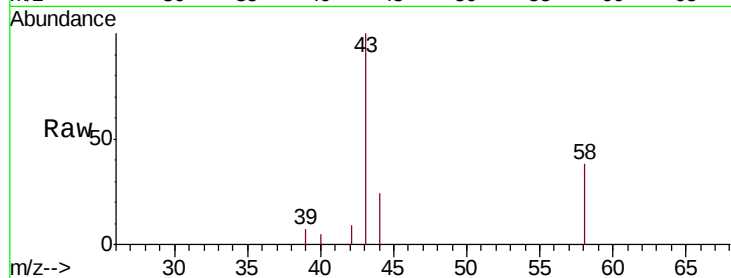
TEST-PIT-2

Tgt Ion: 43 Resp: 3403

Ion Ratio Lower Upper

43 100

58 38.4 27.0 40.4



#20

Methylene Chloride

Concen: 3.993 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010591.D

Acq: 29 May 2019 15:19

Tgt Ion: 84 Resp: 2987

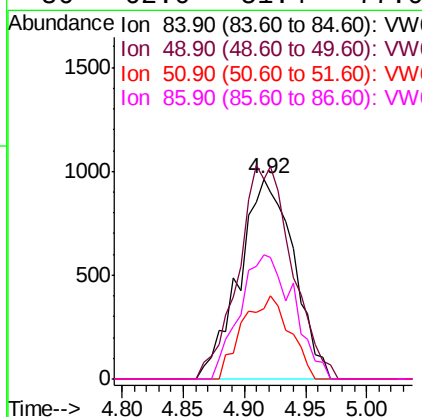
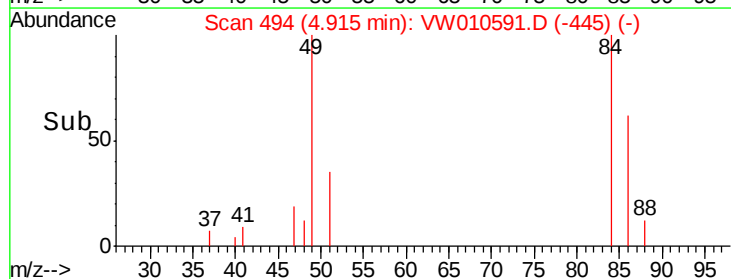
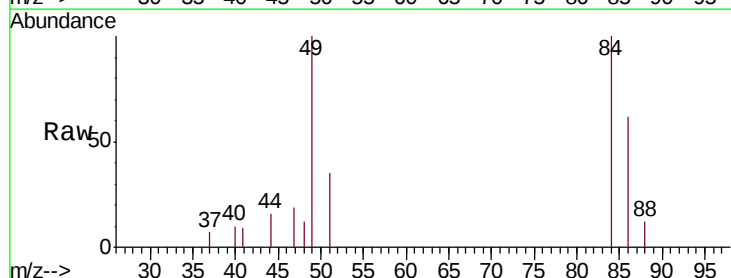
Ion Ratio Lower Upper

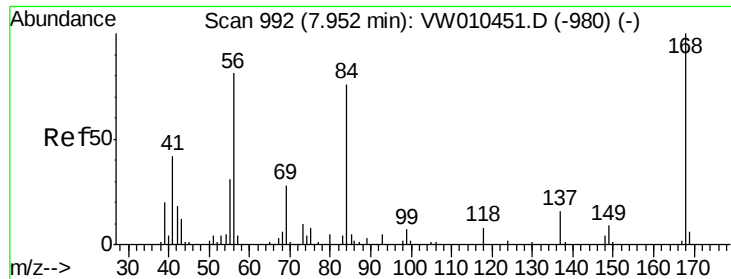
84 100

49 100.0 87.2 130.8

51 35.2 27.7 41.5

86 62.0 51.4 77.0

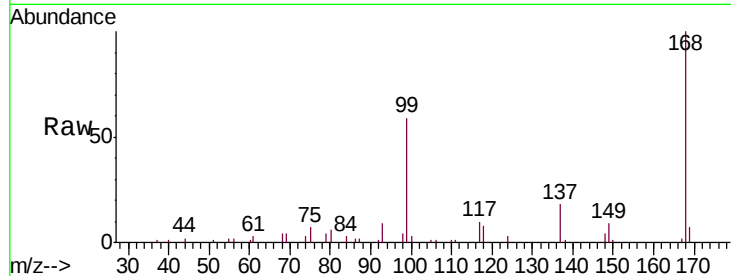




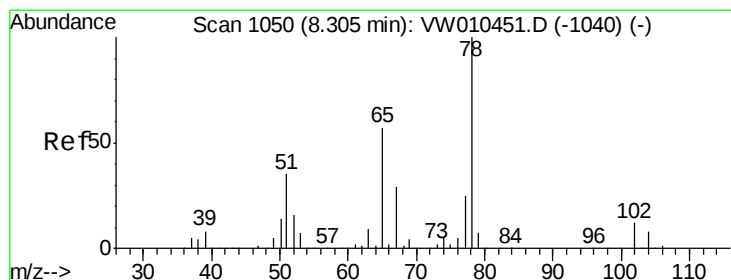
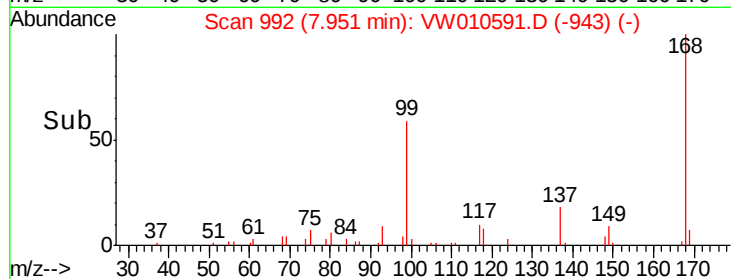
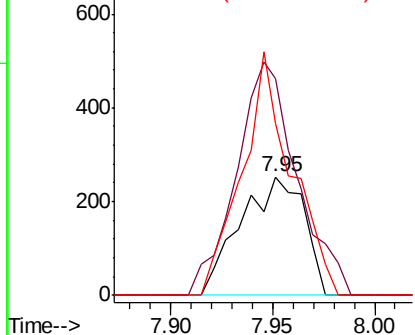
#31
Cyclohexane
Concen: 1.006 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010591.D
Acq: 29 May 2019 15:19

Instrument :
MSVOA_W
ClientSampled :
TEST-PIT-2

Tgt Ion: 56 Resp: 550
Ion Ratio Lower Upper
56 100
69 183.0 28.2 42.2#
84 144.7 75.8 113.8#

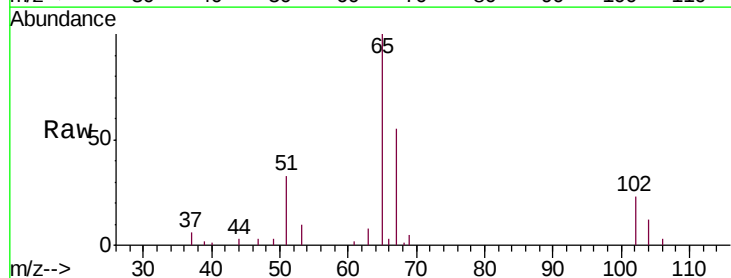


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

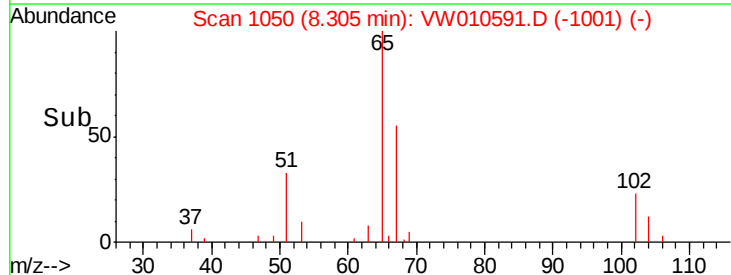
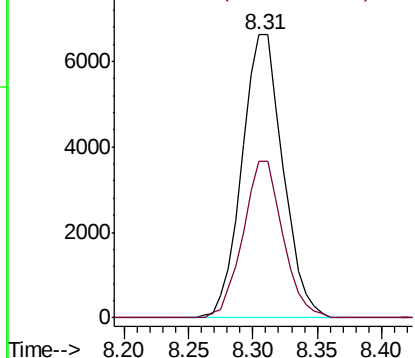


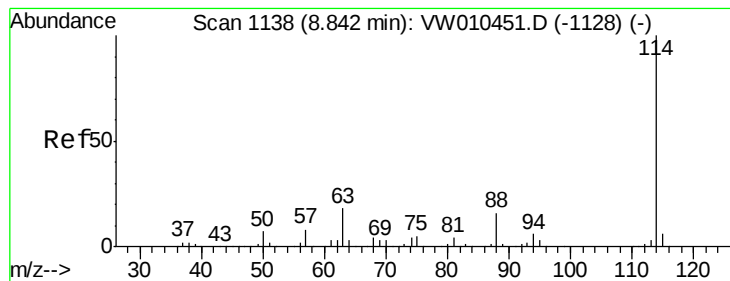
#33
1,2-Dichloroethane-d4
Concen: 50.685 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010591.D
Acq: 29 May 2019 15:19

Tgt Ion: 65 Resp: 14597
Ion Ratio Lower Upper
65 100
67 53.8 0.0 103.6



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: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010591.D

Acq: 29 May 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

TEST-PIT-2

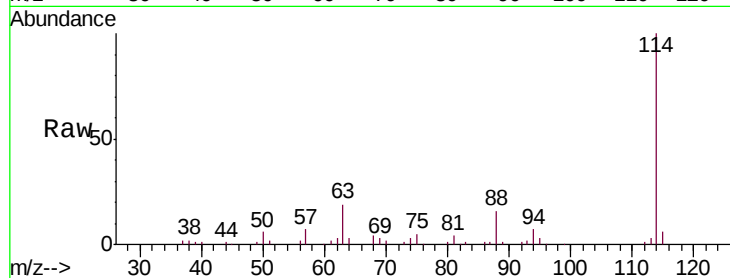
Tgt Ion:114 Resp: 46833

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.0

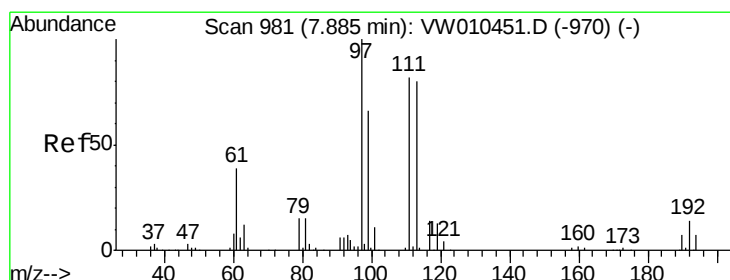
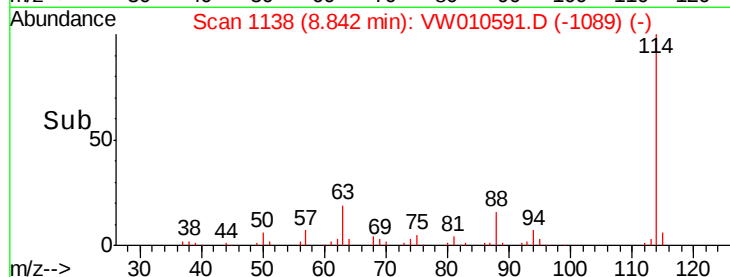
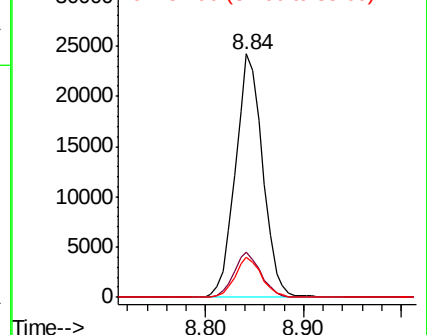
88 16.3 0.0 32.0



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: 46.943 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010591.D

Acq: 29 May 2019 15:19

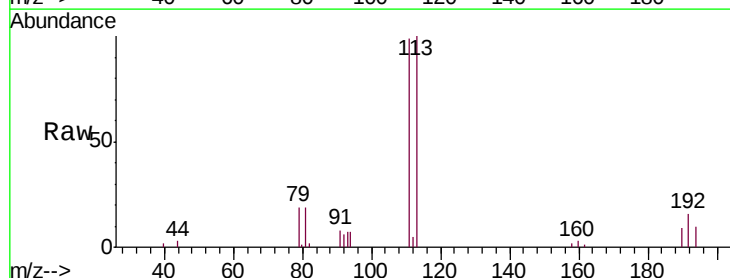
Tgt Ion:113 Resp: 13340

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

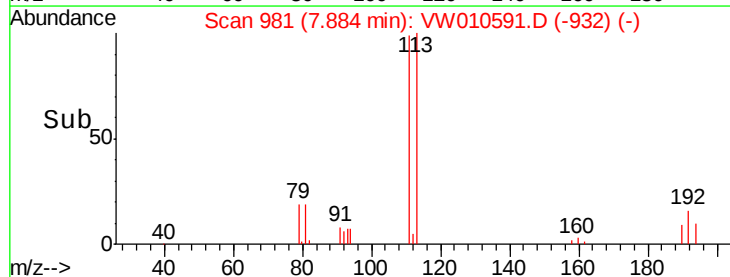
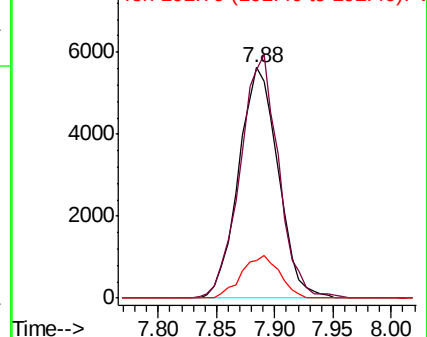
192 17.8 14.3 21.5

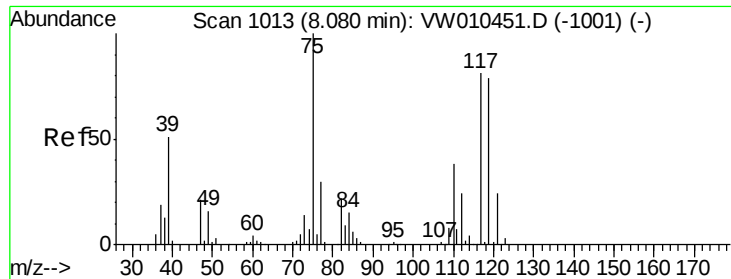


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

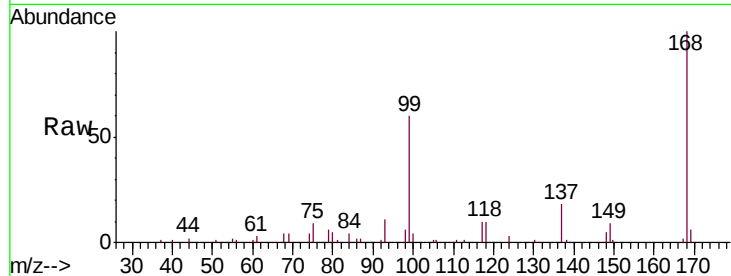




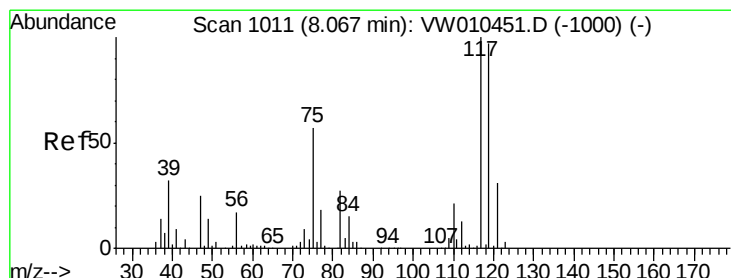
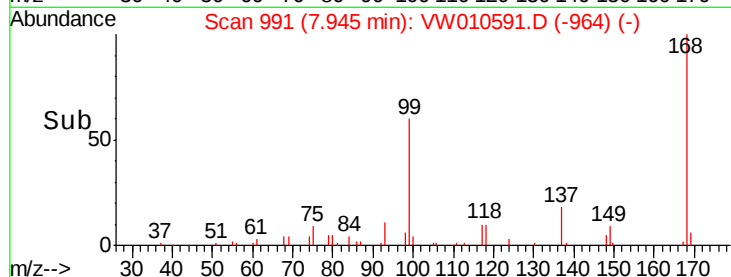
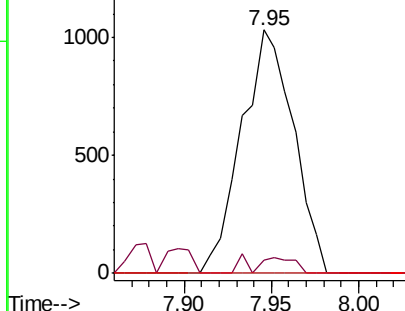
#36
 1,1-Dichloropropene
 Concen: 4.887 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010591.D
 Acq: 29 May 2019 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 TEST-PIT-2

Tgt Ion: 75 Resp: 2132
 Ion Ratio Lower Upper
 75 100
 110 4.1 19.2 57.6#
 77 0.0 25.2 37.8#

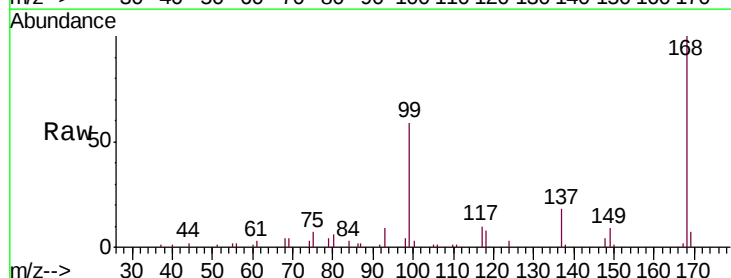


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

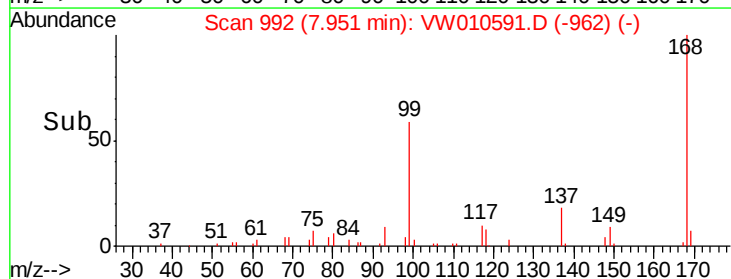
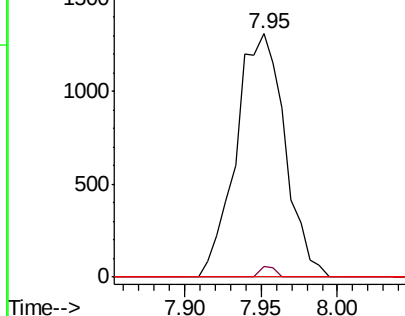


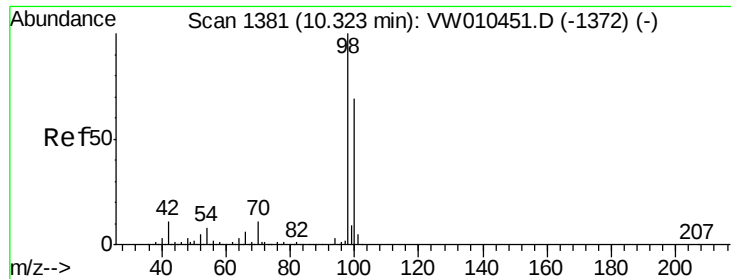
#38
 Carbon Tetrachloride
 Concen: 6.187 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW010591.D
 Acq: 29 May 2019 15:19

Tgt Ion: 117 Resp: 2912
 Ion Ratio Lower Upper
 117 100
 119 4.6 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: 52.622 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010591.D

Acq: 29 May 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

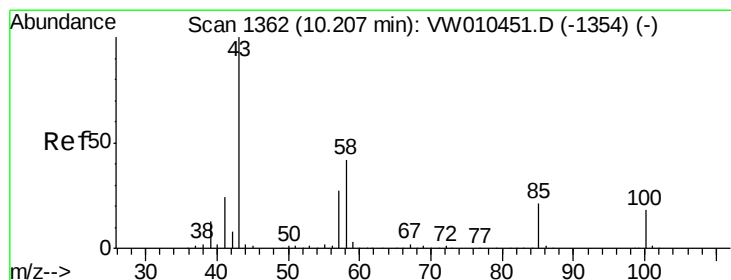
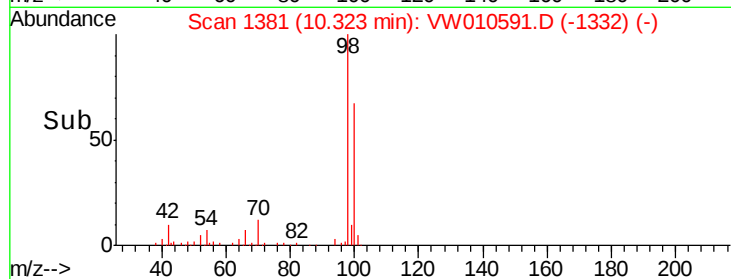
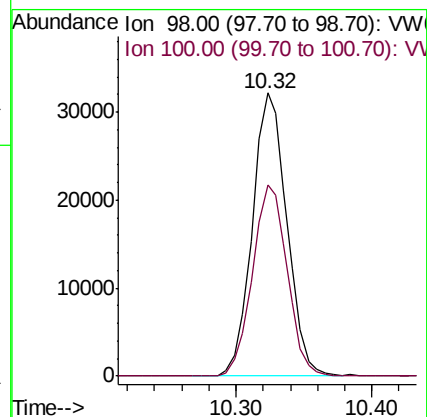
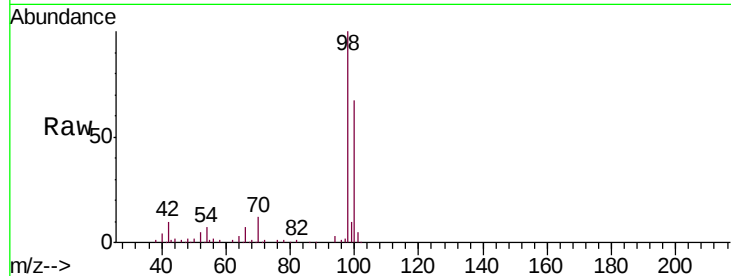
TEST-PIT-2

Tgt Ion: 98 Resp: 57127

Ion Ratio Lower Upper

98 100

100 68.2 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 1.491 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW010591.D

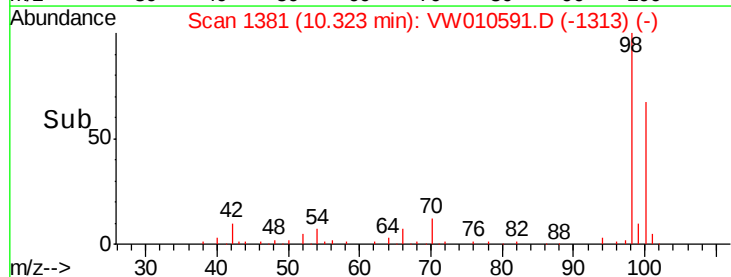
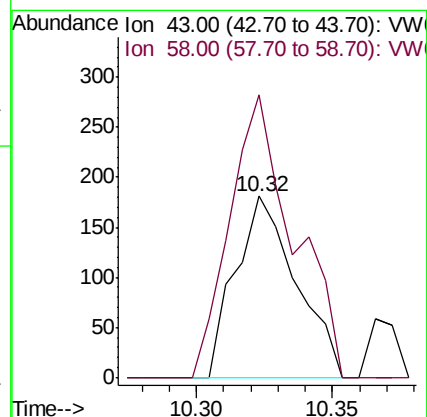
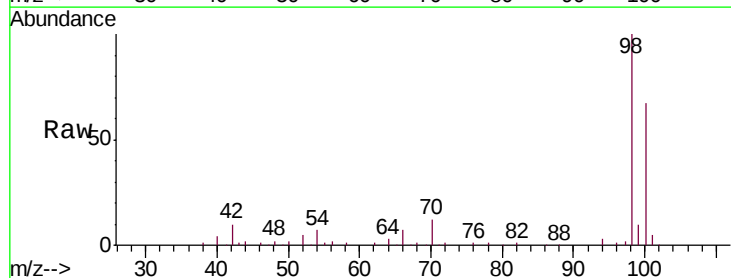
Acq: 29 May 2019 15:19

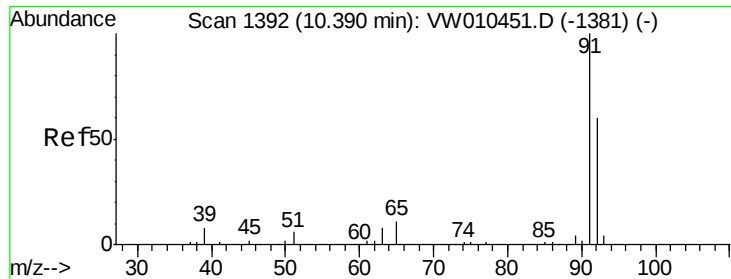
Tgt Ion: 43 Resp: 280

Ion Ratio Lower Upper

43 100

58 164.3 33.2 49.8#





#52

Toluene

Concen: 2.037 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010591.D

Acq: 29 May 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

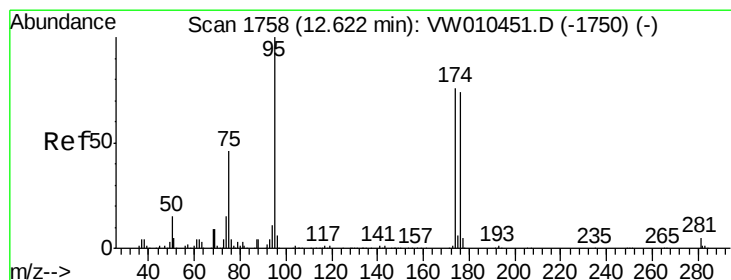
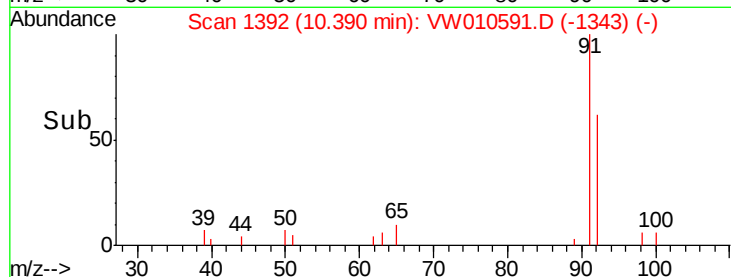
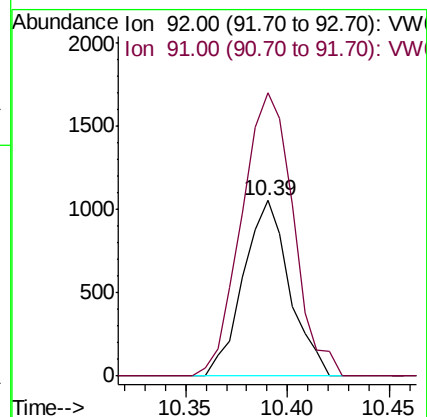
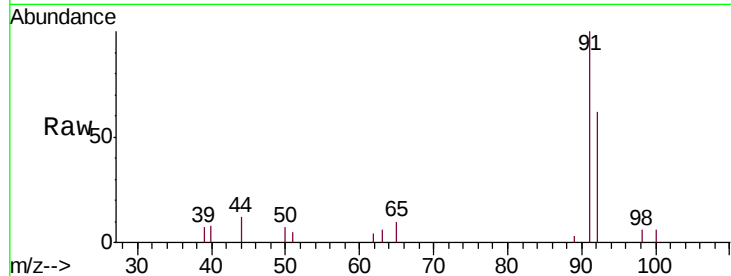
TEST-PIT-2

Tgt Ion: 92 Resp: 1659

Ion Ratio Lower Upper

92 100

91 180.6 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 48.264 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010591.D

Acq: 29 May 2019 15:19

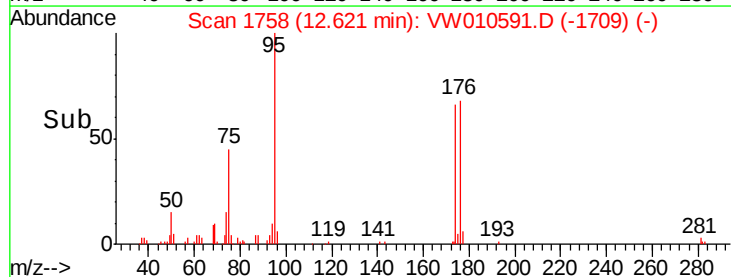
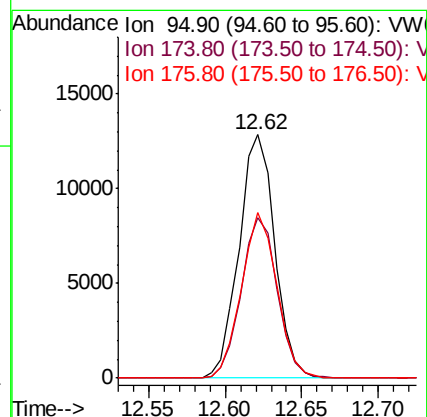
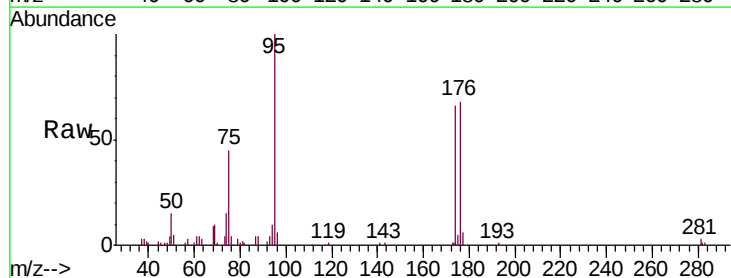
Tgt Ion: 95 Resp: 20870

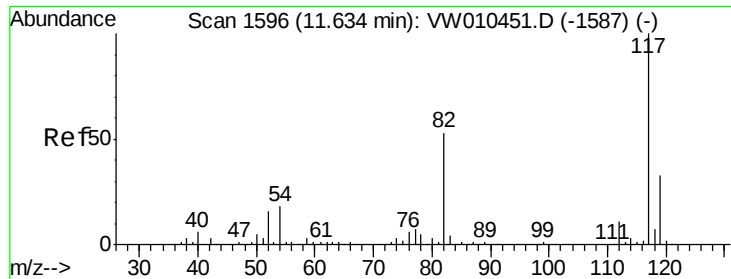
Ion Ratio Lower Upper

95 100

174 66.8 0.0 148.6

176 67.3 0.0 144.2

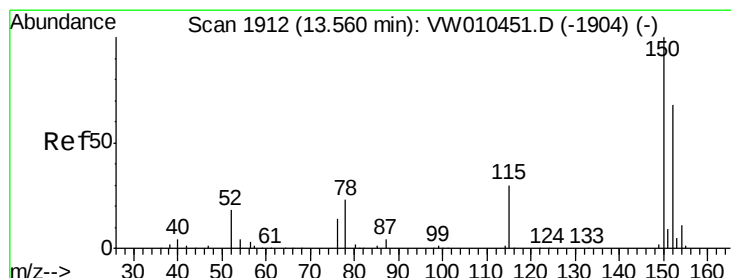
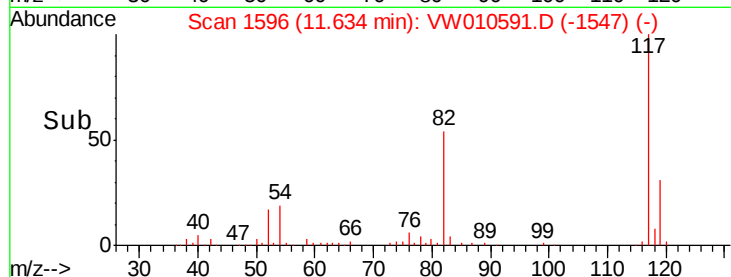
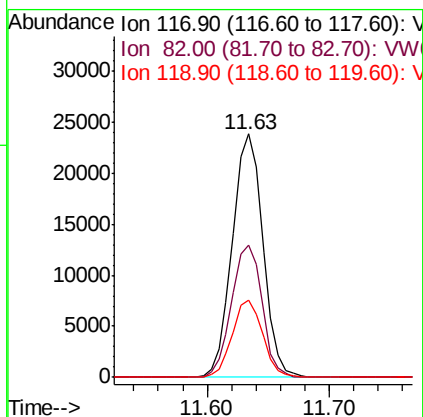
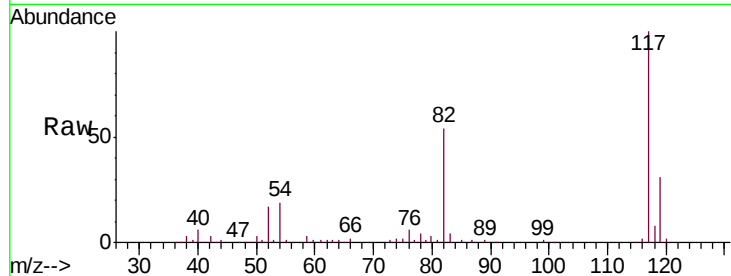




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010591.D
Acq: 29 May 2019 15:19

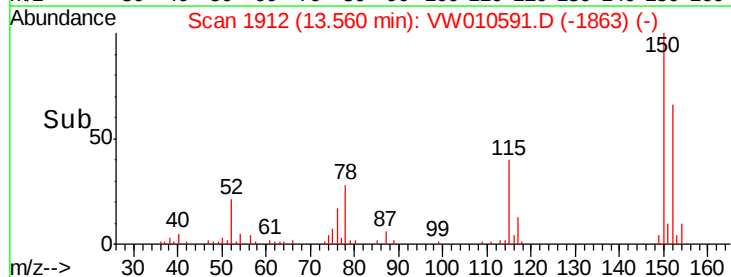
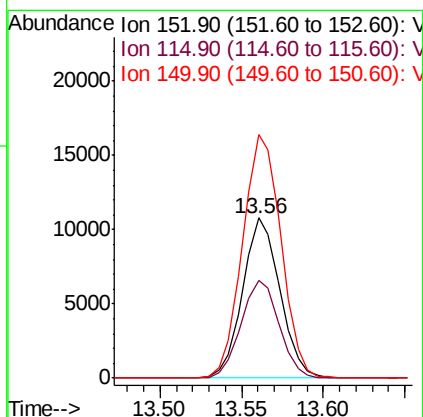
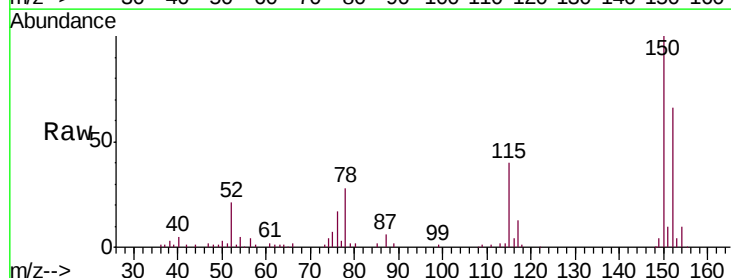
Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-2

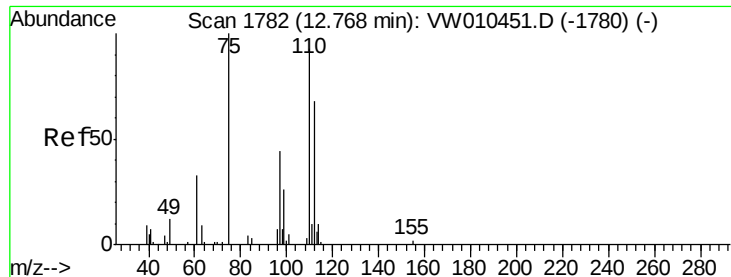
Tgt Ion:117 Resp: 41287
Ion Ratio Lower Upper
117 100
82 54.1 42.8 64.2
119 31.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010591.D
Acq: 29 May 2019 15:19

Tgt Ion:152 Resp: 17195
Ion Ratio Lower Upper
152 100
115 61.9 30.3 91.0
150 156.6 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 55.792 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010591.D

Acq: 29 May 2019 15:19

Instrument :

MSVOA_W

ClientSampled :

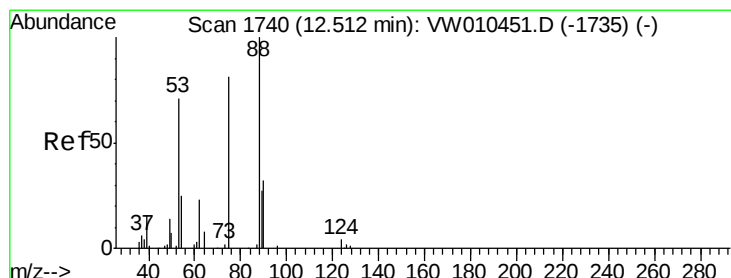
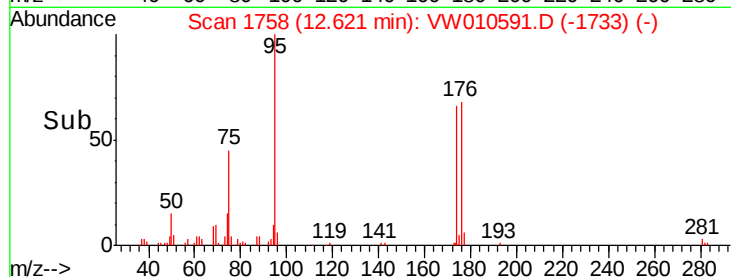
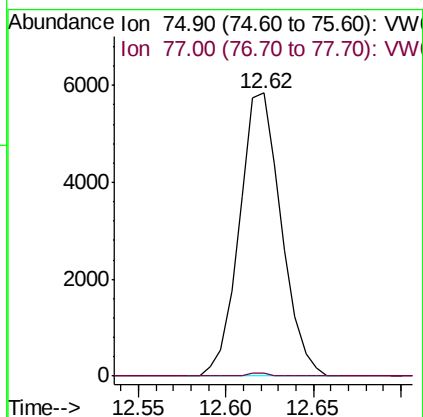
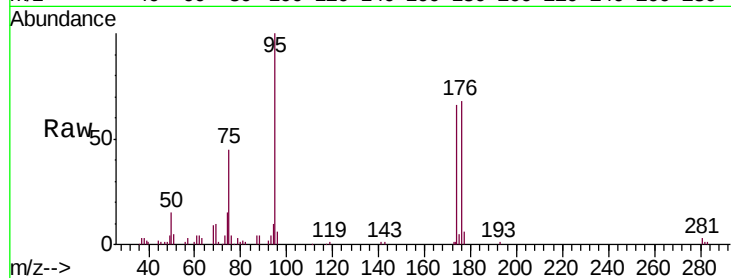
TEST-PIT-2

Tgt Ion: 75 Resp: 9738

Ion Ratio Lower Upper

75 100

77 0.5 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 116.440 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010591.D

Acq: 29 May 2019 15:19

Tgt Ion: 75 Resp: 9738

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

