

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010319\
 Data File : VW008018.D
 Acq On : 03 Jan 2019 14:03
 Operator : SY/AP
 Sample : K1019-07
 Misc : 4.24G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TEST-PIT-D13

Quant Time: Jan 04 00:31:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	27192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	42246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	31099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	11884	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	14614	48.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.18%	
35) Dibromofluoromethane	7.88	113	12880	48.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.72%	
50) Toluene-d8	10.33	98	49283	49.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.62	95	14009	36.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	73.12%	

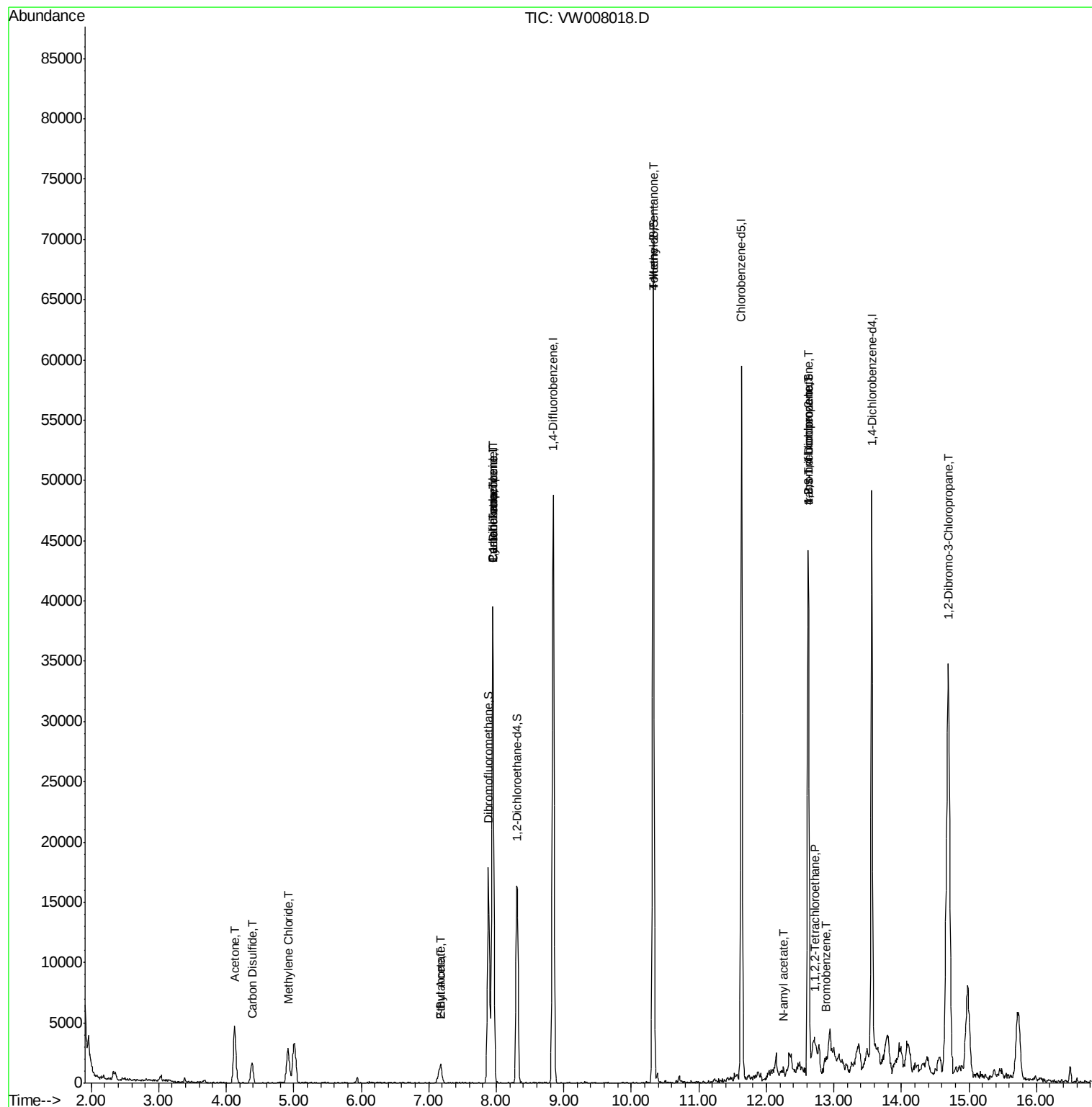
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	8498	182.531	ug/l	100
17) Carbon Disulfide	4.38	76	3120	3.741	ug/l	100
20) Methylene Chloride	4.92	84	2482	6.581	ug/l #	90
25) 2-Butanone	7.18	43	2339	42.641	ug/l	99
31) Cyclohexane	7.96	56	714	1.553	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	2068	4.962	ug/l #	46
37) Ethyl Acetate	7.18	43	2339	18.685	ug/l #	67
38) Carbon Tetrachloride	7.95	117	2872	5.750	ug/l #	11
51) 4-Methyl-2-Pentanone	10.32	43	274	2.367	ug/l #	1
74) N-amyl acetate	12.26	43	261	1.774	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.72	83	460	3.826	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	7638	80.789	ug/l #	1
77) Bromobenzene	12.90	156	654	3.220	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	7638	191.052	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.70	75	349	14.301	ug/l #	2

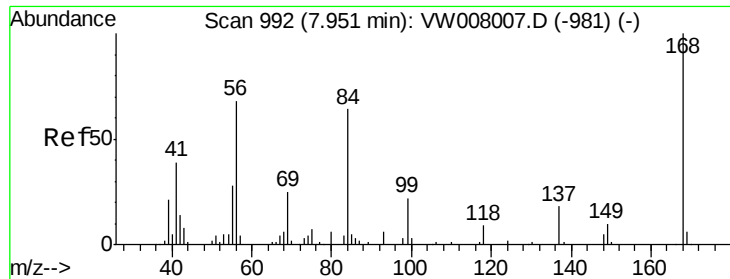
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 03 05:03:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008018.D

Acq: 03 Jan 2019 14:03

Instrument :

MSVOA_W

ClientSampleId :

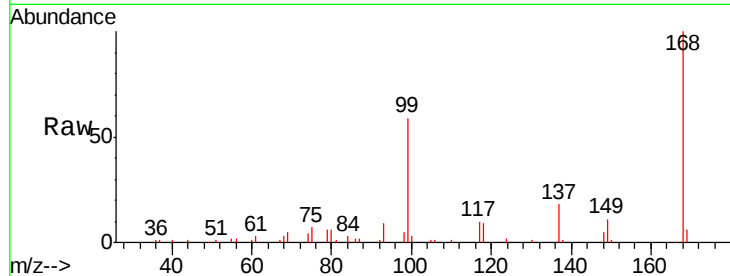
TEST-PIT-D13

Tgt Ion:168 Resp: 27192

Ion Ratio Lower Upper

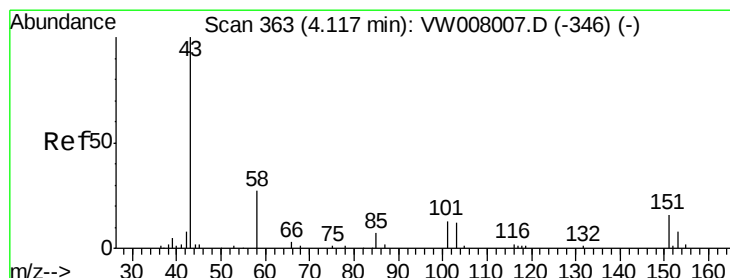
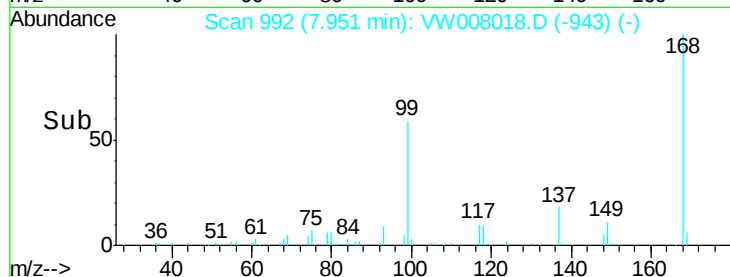
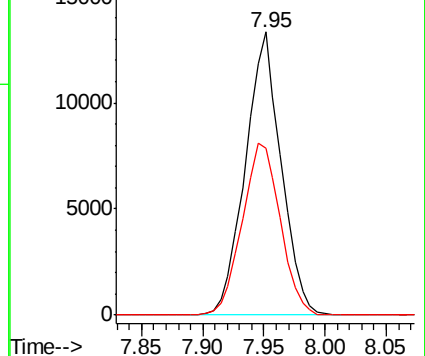
168 100

99 58.9 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 182.531 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008018.D

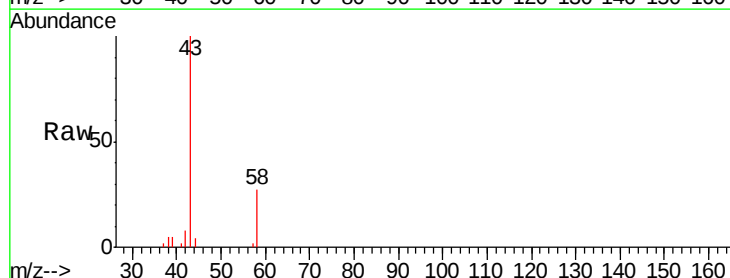
Acq: 03 Jan 2019 14:03

Tgt Ion: 43 Resp: 8498

Ion Ratio Lower Upper

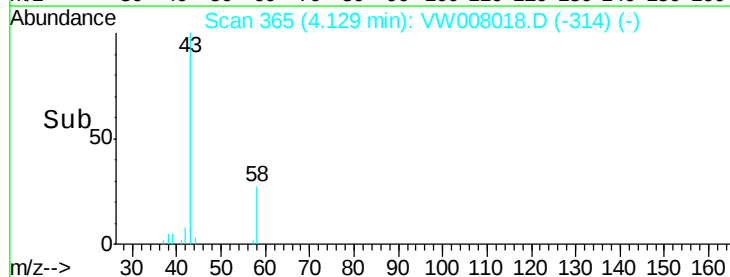
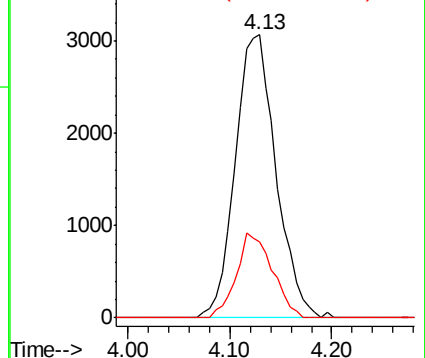
43 100

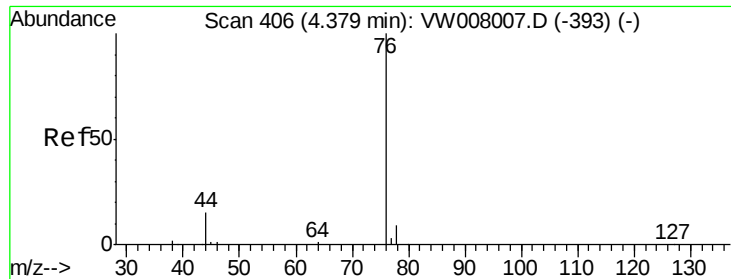
58 27.0 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 3.741 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW008018.D

Acq: 03 Jan 2019 14:03

Instrument :

MSVOA_W

ClientSampleId :

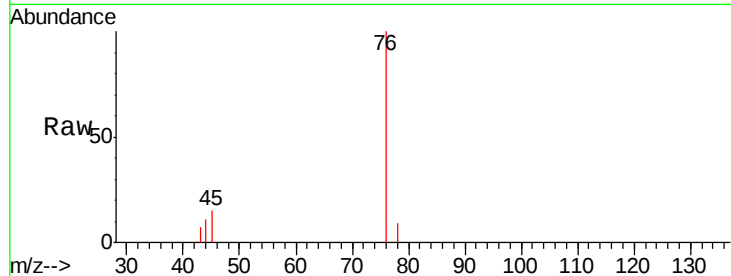
TEST-PIT-D13

Tgt Ion: 76 Resp: 3120

Ion Ratio Lower Upper

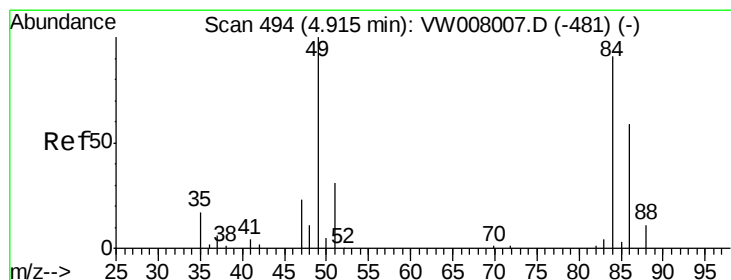
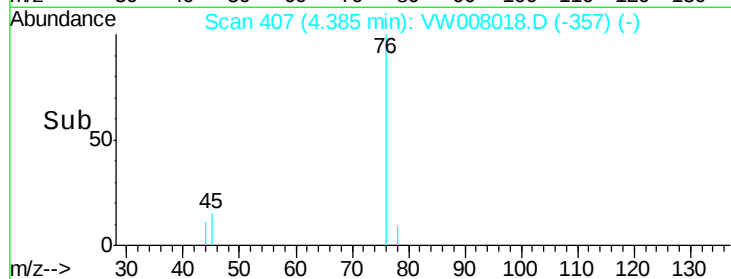
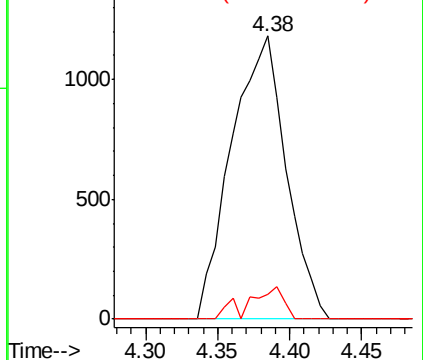
76 100

78 8.7 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 6.581 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008018.D

Acq: 03 Jan 2019 14:03

Tgt Ion: 84 Resp: 2482

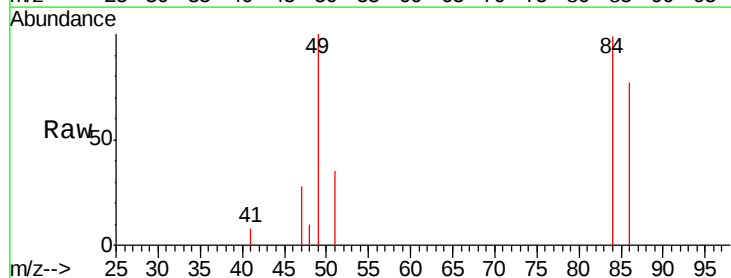
Ion Ratio Lower Upper

84 100

49 100.7 87.7 131.5

51 35.0 27.3 40.9

86 77.2 51.4 77.0#

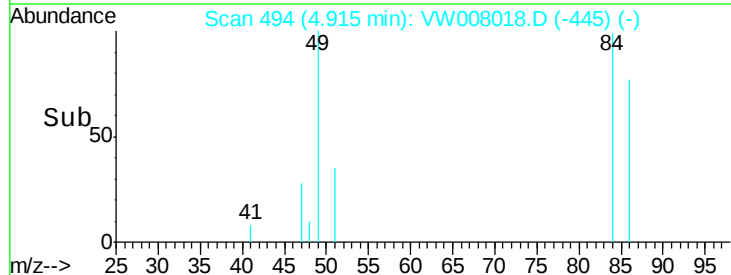
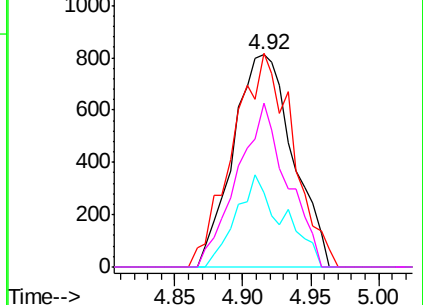


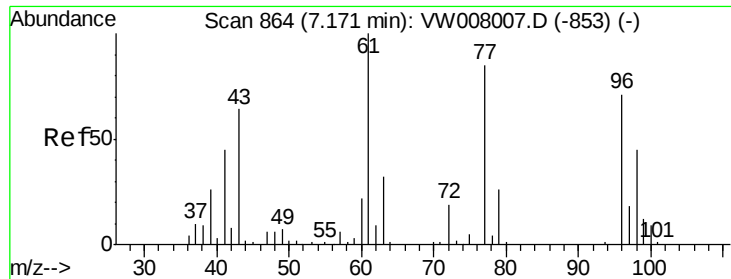
Abundance Ion 83.90 (83.60 to 84.60): VW

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

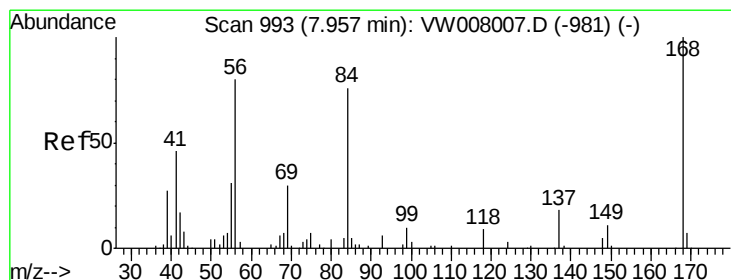
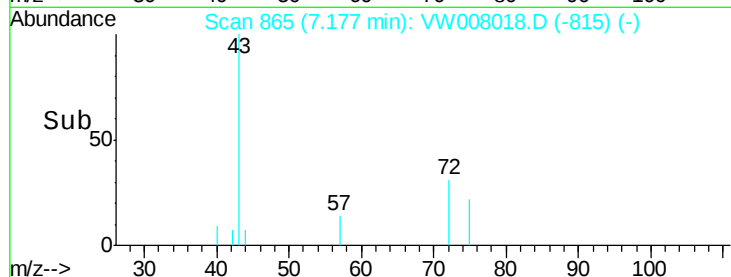
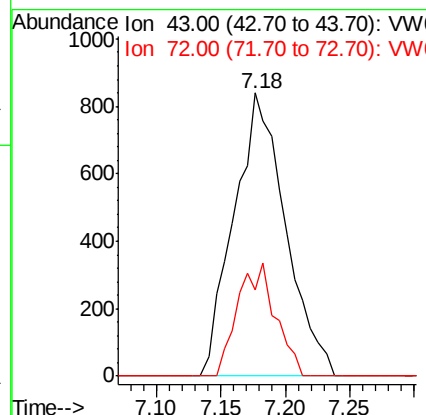
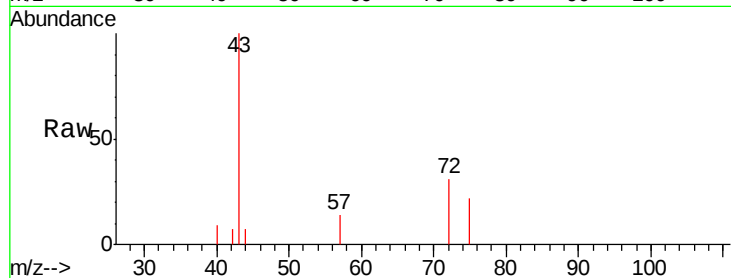




#25
2-Butanone
Concen: 42.641 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW008018.D
Acq: 03 Jan 2019 14:03

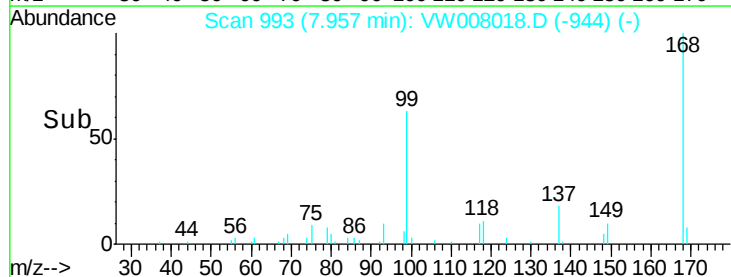
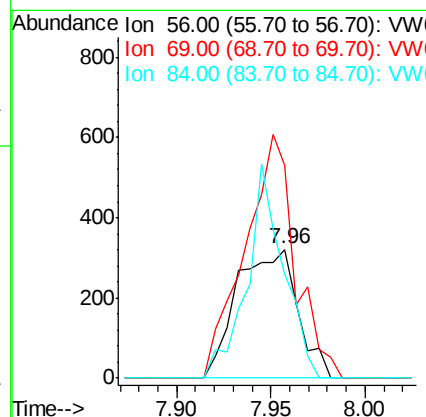
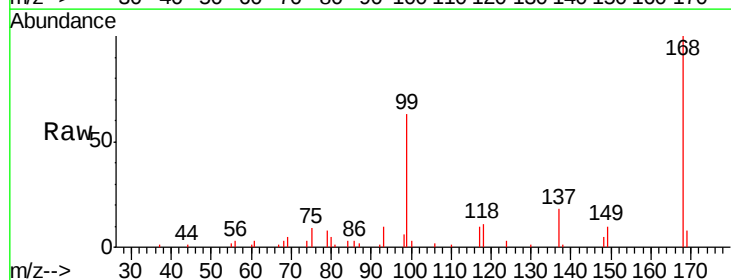
Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-D13

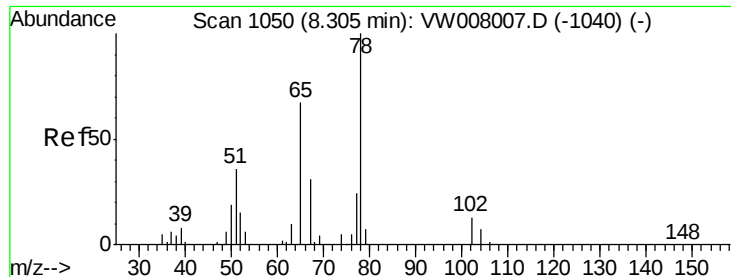
Tgt Ion: 43 Resp: 2339
Ion Ratio Lower Upper
43 100
72 30.5 23.8 35.8



#31
Cyclohexane
Concen: 1.553 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW008018.D
Acq: 03 Jan 2019 14:03

Tgt Ion: 56 Resp: 714
Ion Ratio Lower Upper
56 100
69 165.1 29.8 44.6#
84 81.3 75.2 112.8





#33

1,2-Dichloroethane-d4

Concen: 48.590 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008018.D

Acq: 03 Jan 2019 14:03

Instrument :

MSVOA_W

ClientSampleId :

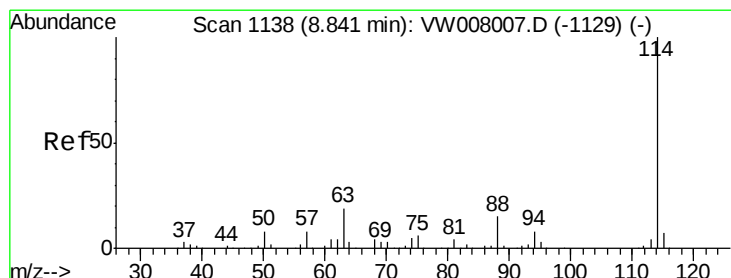
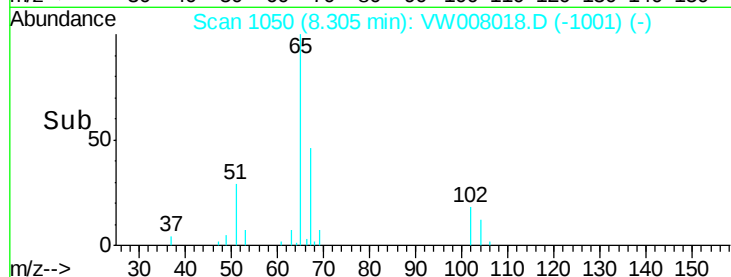
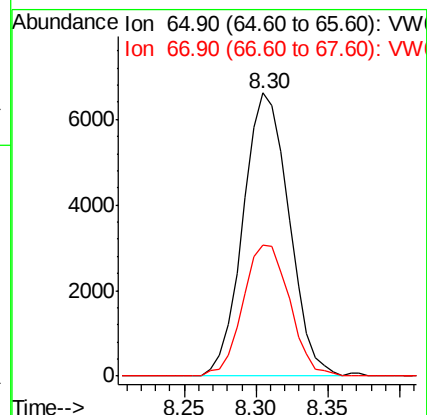
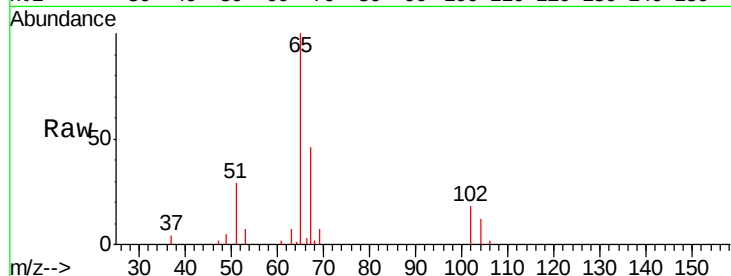
TEST-PIT-D13

Tgt Ion: 65 Resp: 14614

Ion Ratio Lower Upper

65 100

67 47.1 0.0 94.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008018.D

Acq: 03 Jan 2019 14:03

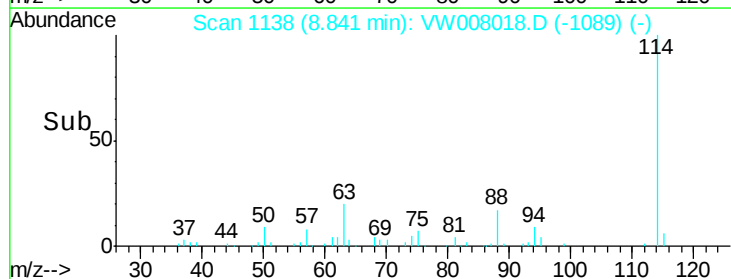
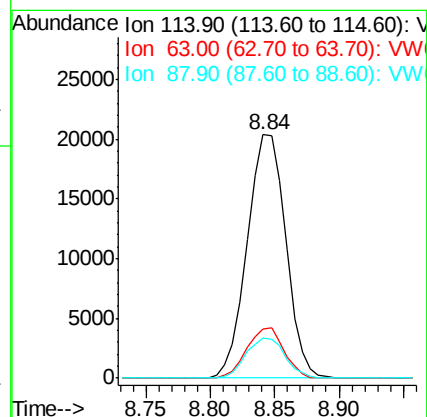
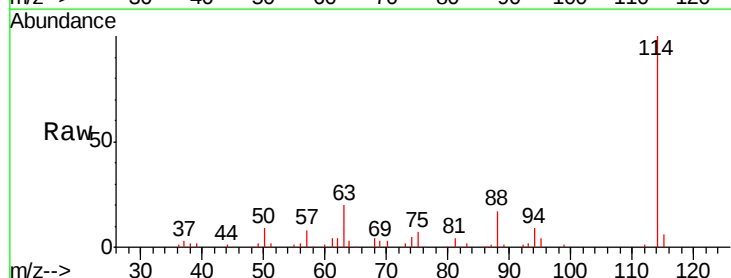
Tgt Ion: 114 Resp: 42246

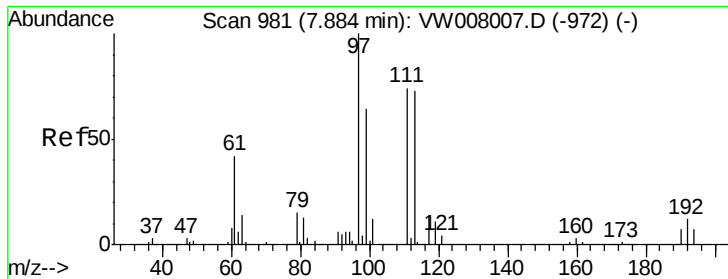
Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.8

88 16.5 0.0 31.0

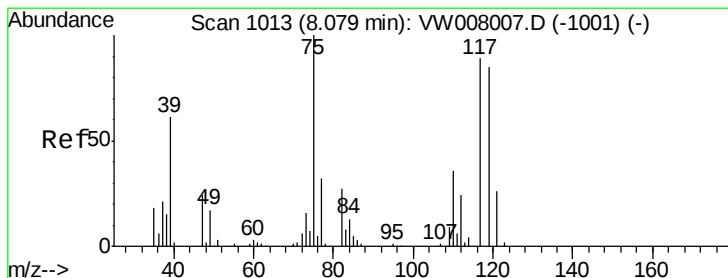
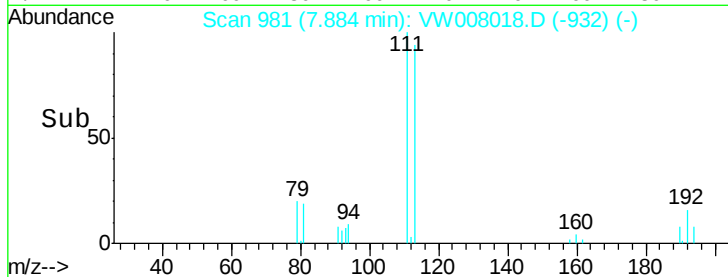
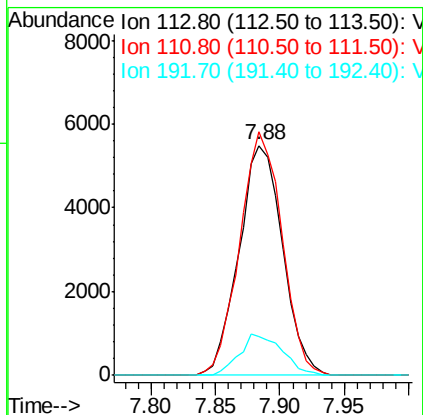
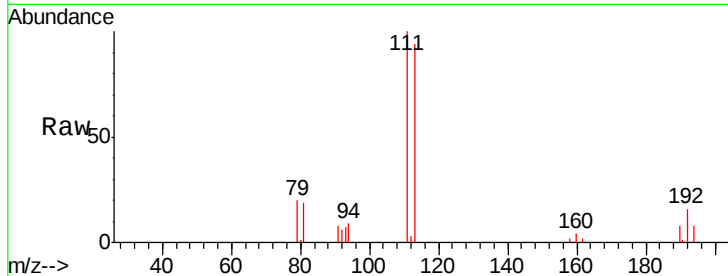




#35
 Dibromofluoromethane
 Concen: 48.363 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008018.D
 Acq: 03 Jan 2019 14:03

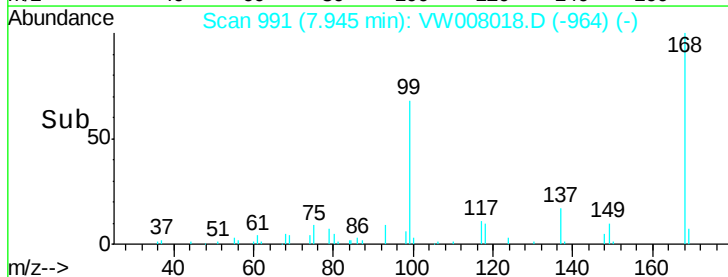
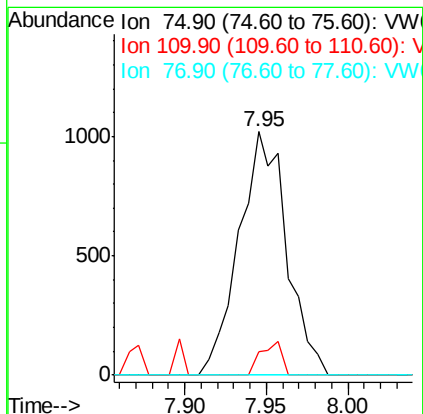
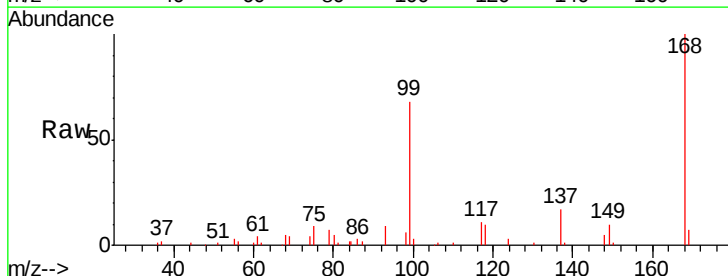
Instrument :
 MSVOA_W
 ClientSampleId :
 TEST-PIT-D13

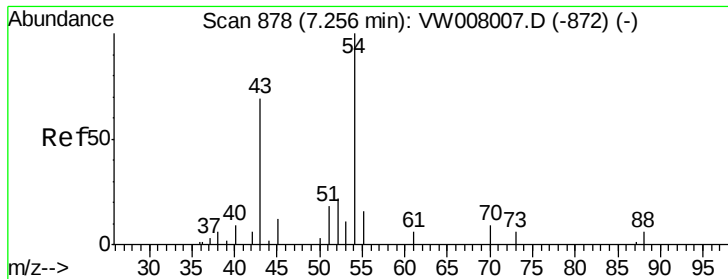
Tgt Ion: 113 Resp: 12880
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.4 122.0
 192 17.5 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.962 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008018.D
 Acq: 03 Jan 2019 14:03

Tgt Ion: 75 Resp: 2068
 Ion Ratio Lower Upper
 75 100
 110 6.1 18.1 54.3#
 77 0.0 25.3 37.9#

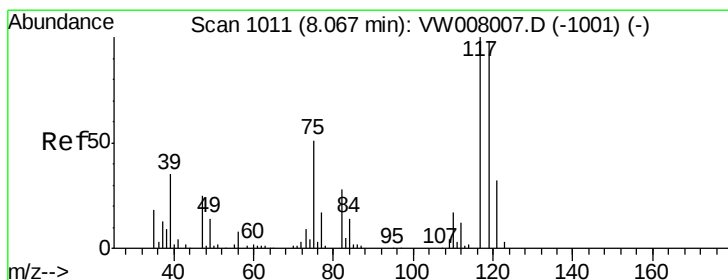
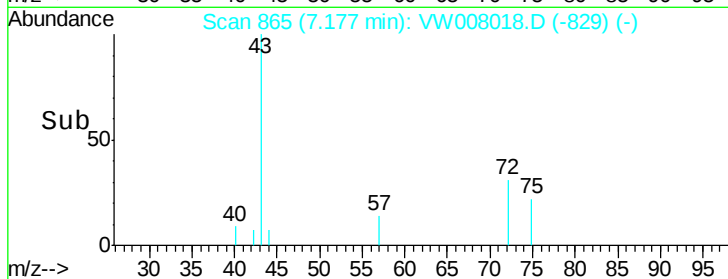
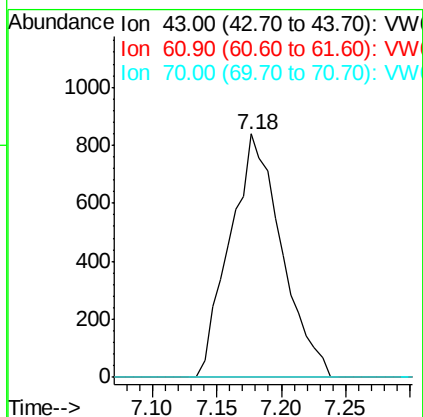
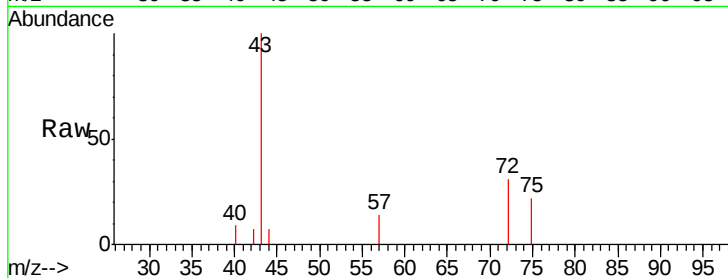




#37
Ethyl Acetate
Concen: 18.685 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.08 min
Lab File: VW008018.D
Acq: 03 Jan 2019 14:03

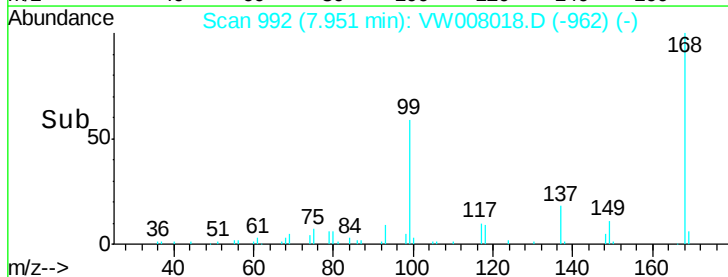
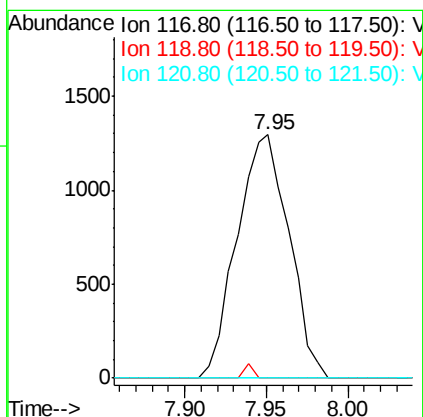
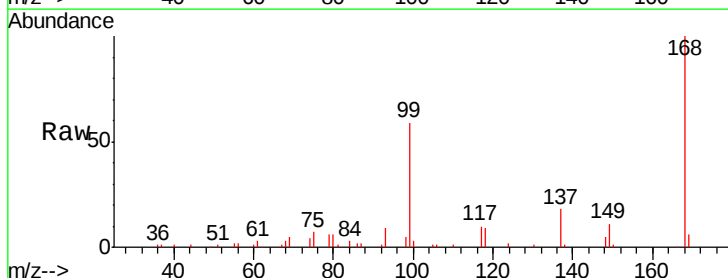
Instrument :
MSVOA_W
ClientSampled :
TEST-PIT-D13

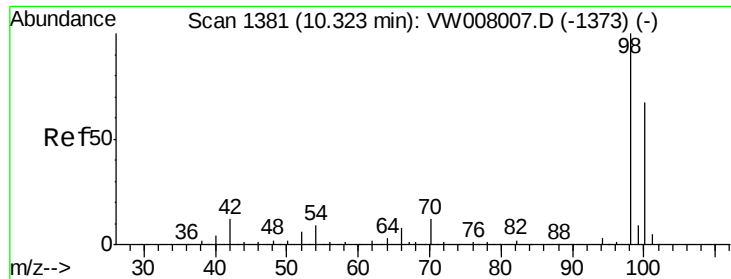
Tgt Ion: 43 Resp: 2339
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.2#
70 0.0 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 5.750 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008018.D
Acq: 03 Jan 2019 14:03

Tgt Ion: 117 Resp: 2872
Ion Ratio Lower Upper
117 100
119 0.0 78.7 118.1#
121 0.0 25.8 38.8#





#50

Toluene-d8

Concen: 49.331 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW008018.D

Acq: 03 Jan 2019 14:03

Instrument :

MSVOA_W

ClientSampleId :

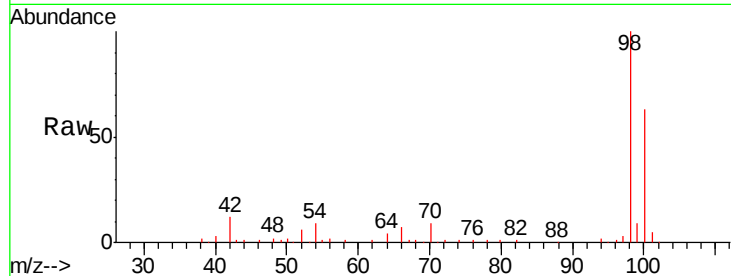
TEST-PIT-D13

Tgt Ion: 98 Resp: 49283

Ion Ratio Lower Upper

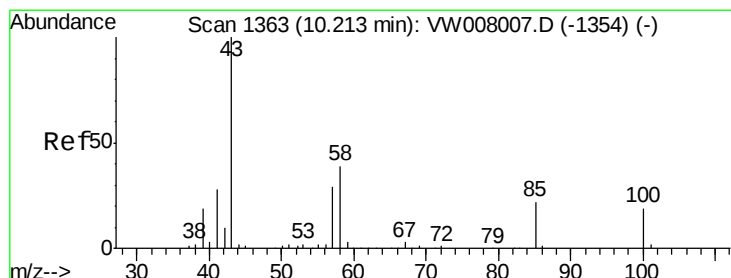
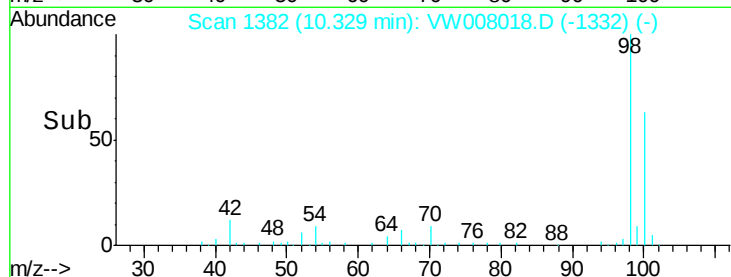
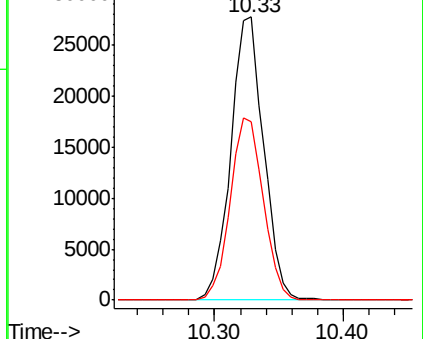
98 100

100 64.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 2.367 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW008018.D

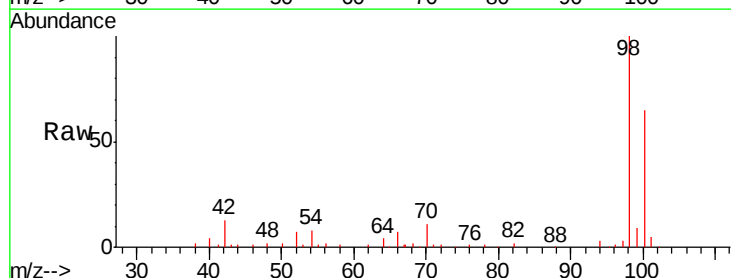
Acq: 03 Jan 2019 14:03

Tgt Ion: 43 Resp: 274

Ion Ratio Lower Upper

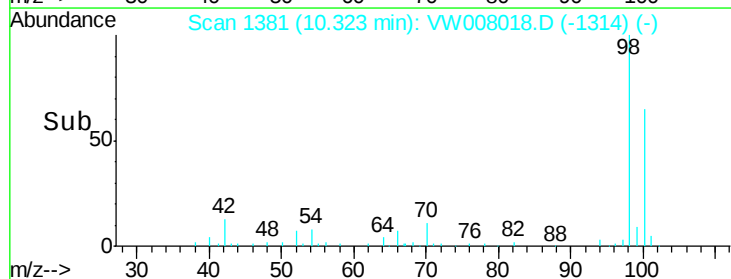
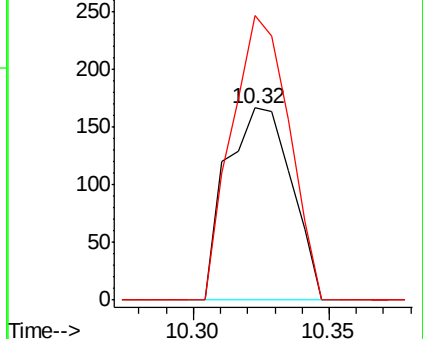
43 100

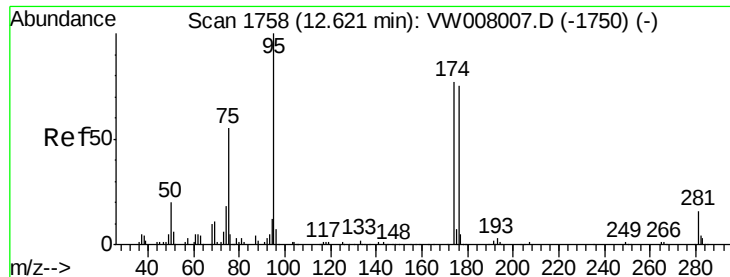
58 131.0 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 36.564 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008018.D

Acq: 03 Jan 2019 14:03

Instrument :

MSVOA_W

ClientSampleId :

TEST-PIT-D13

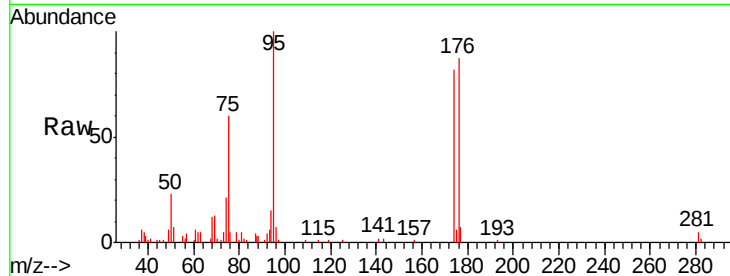
Tgt Ion: 95 Resp: 14009

Ion Ratio Lower Upper

95 100

174 77.7 0.0 149.6

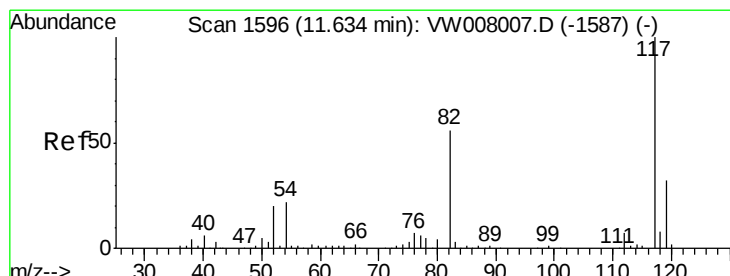
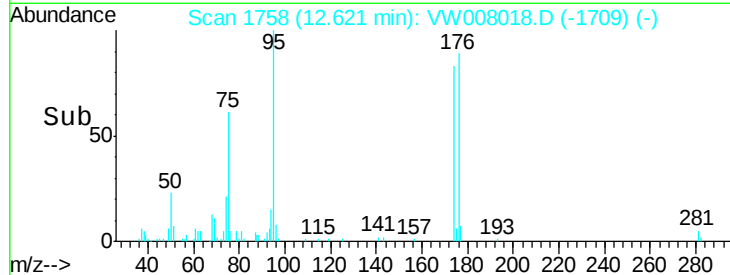
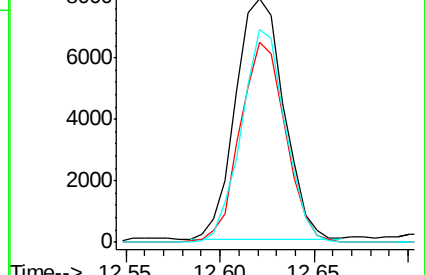
176 80.0 0.0 145.4



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# 1596

Delta R.T. -0.00 min

Lab File: VW008018.D

Acq: 03 Jan 2019 14:03

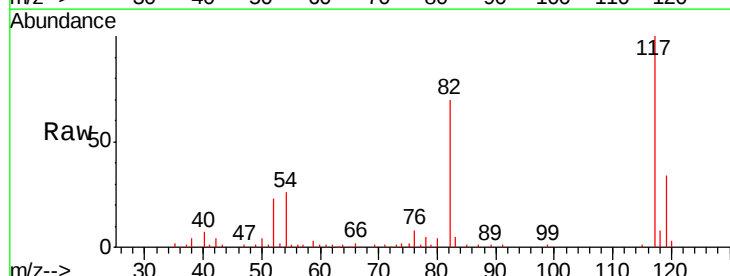
Tgt Ion: 117 Resp: 31099

Ion Ratio Lower Upper

117 100

82 69.8 44.8 67.2#

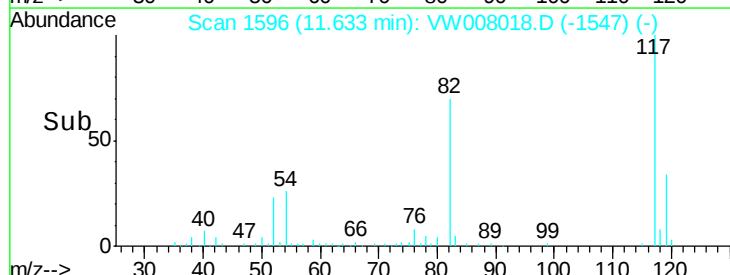
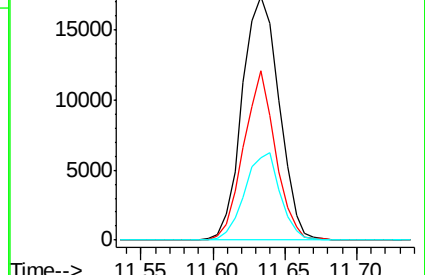
119 33.8 25.6 38.4

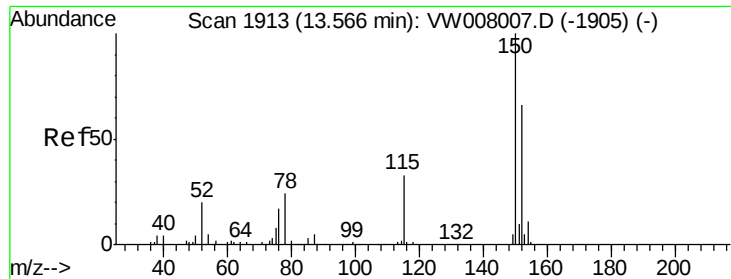


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



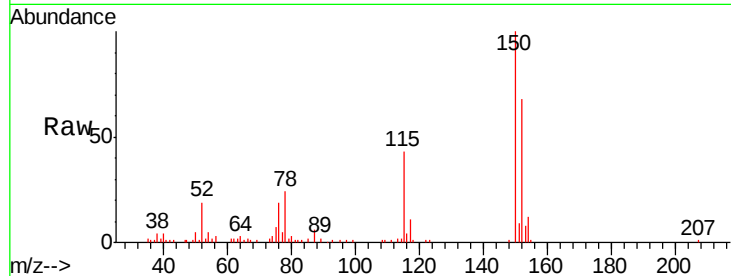


#72

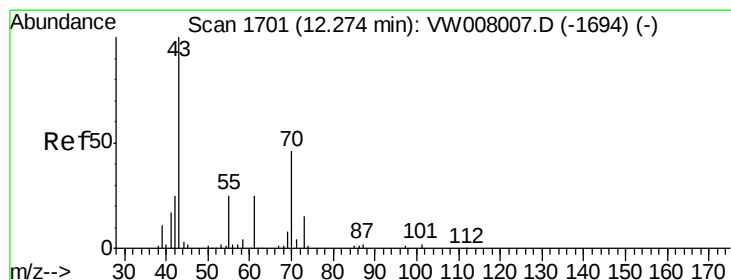
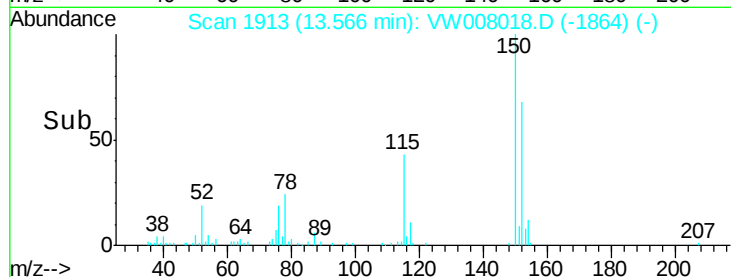
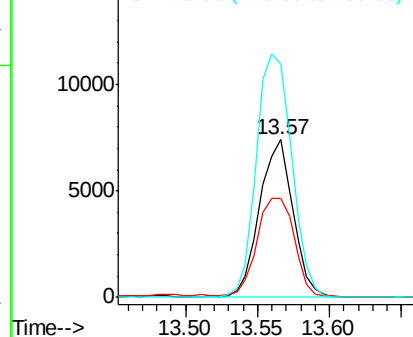
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW008018.D
Acq: 03 Jan 2019 14:03

Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-D13

Tgt Ion:152 Resp: 11884
Ion Ratio Lower Upper
152 100
115 71.6 32.1 96.5
150 163.1 0.0 345.0



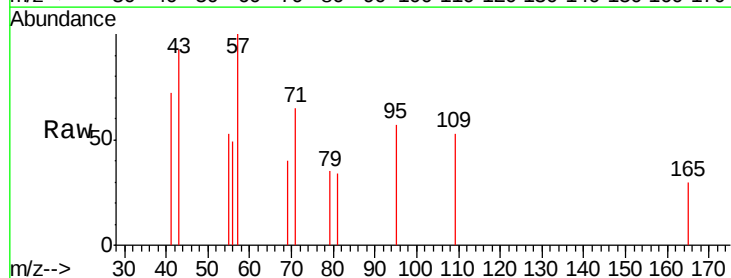
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



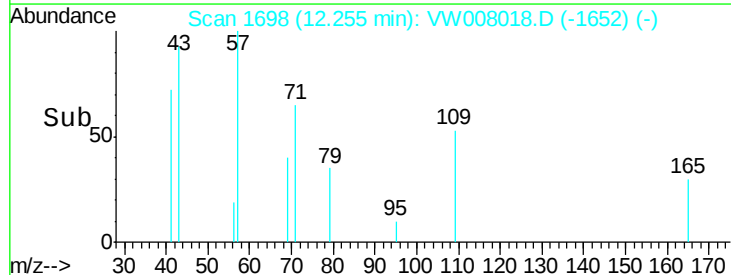
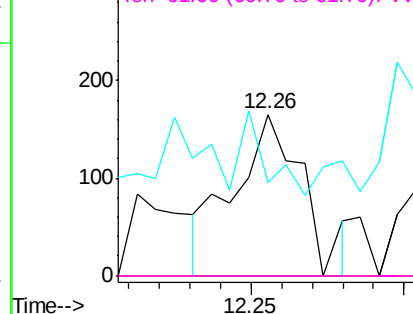
#74

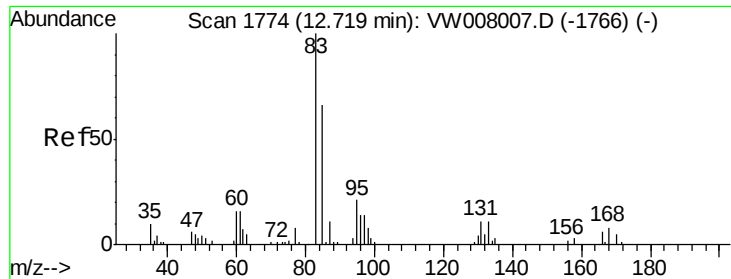
N-ethyl acetate
Concen: 1.774 ug/l
RT: 12.26 min Scan# 1698
Delta R.T. -0.02 min
Lab File: VW008018.D
Acq: 03 Jan 2019 14:03

Tgt Ion: 43 Resp: 261
Ion Ratio Lower Upper
43 100
70 0.0 35.2 52.8#
55 0.0 21.4 32.0#
61 0.0 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 3.826 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008018.D

Acq: 03 Jan 2019 14:03

Instrument :

MSVOA_W

ClientSampleId :

TEST-PIT-D13

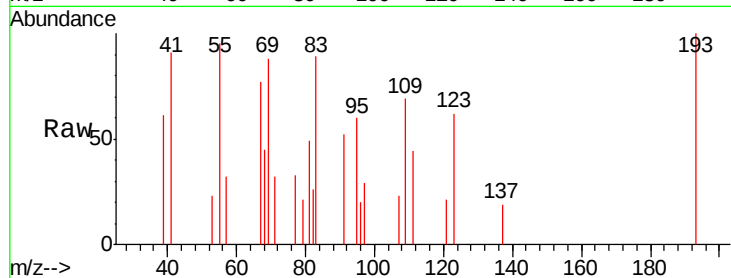
Tgt Ion: 83 Resp: 460

Ion Ratio Lower Upper

83 100

131 0.0 6.5 19.5#

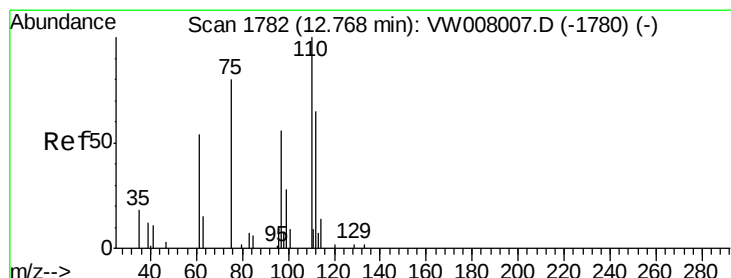
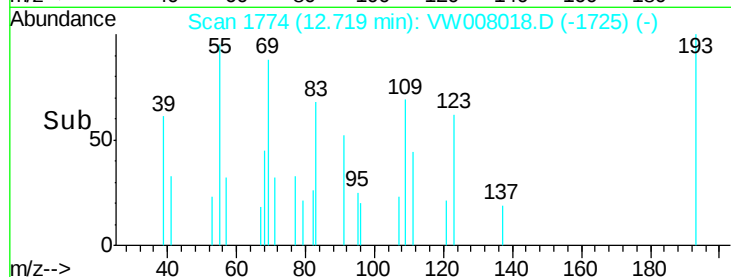
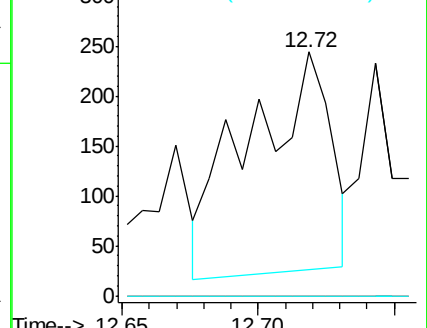
85 0.0 32.8 98.3#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 80.789 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008018.D

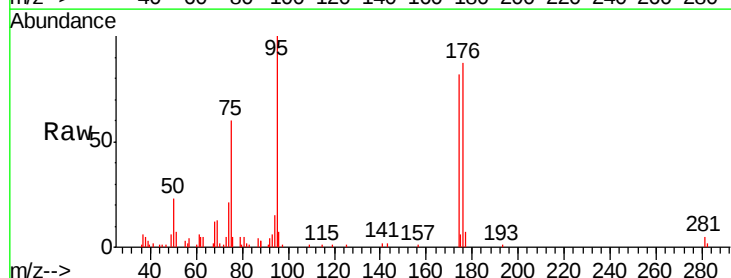
Acq: 03 Jan 2019 14:03

Tgt Ion: 75 Resp: 7638

Ion Ratio Lower Upper

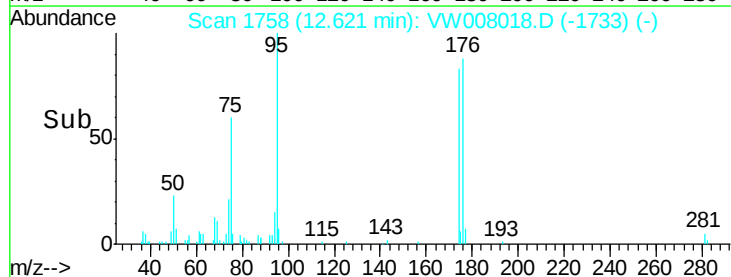
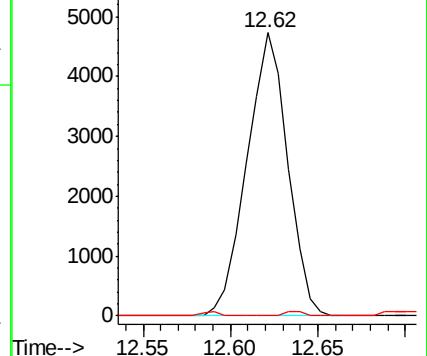
75 100

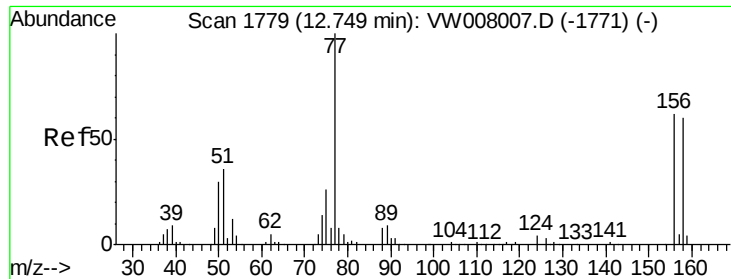
77 0.6 186.2 558.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 3.220 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.15 min

Lab File: VW008018.D

Acq: 03 Jan 2019 14:03

Instrument :

MSVOA_W

ClientSampleId :

TEST-PIT-D13

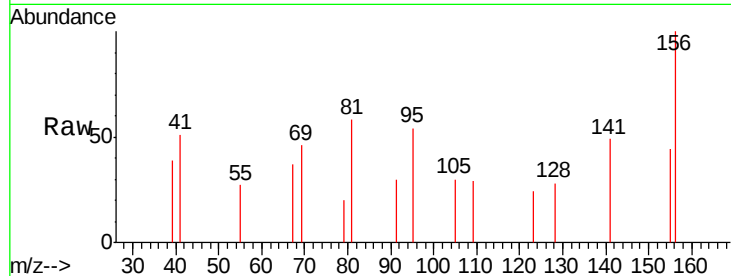
Tgt Ion: 156 Resp: 654

Ion Ratio Lower Upper

156 100

77 11.0 87.9 263.8#

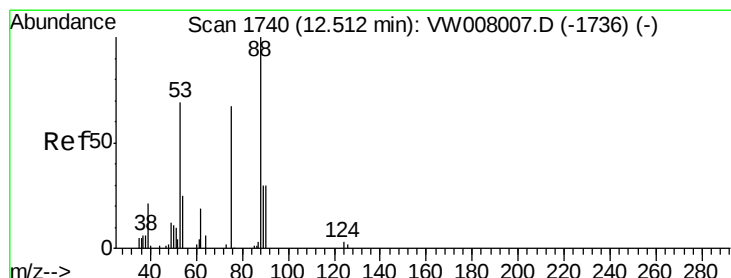
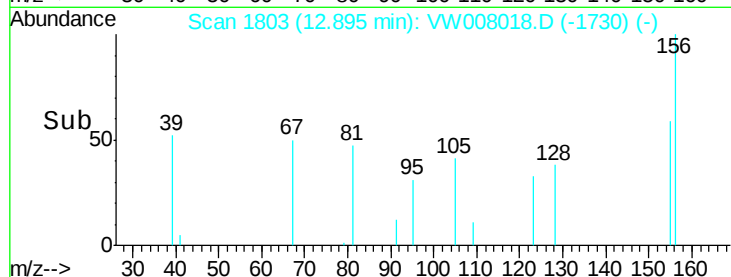
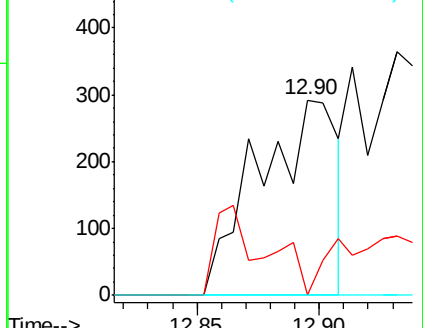
158 0.0 47.8 143.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 191.052 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008018.D

Acq: 03 Jan 2019 14:03

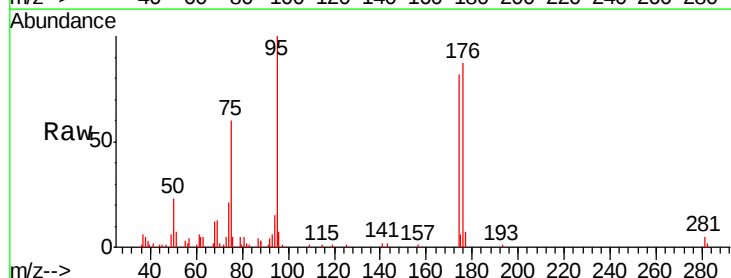
Tgt Ion: 75 Resp: 7638

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

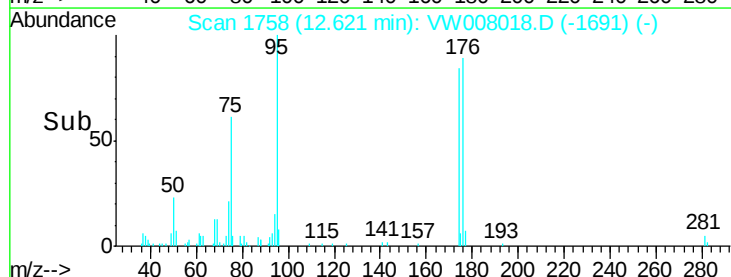
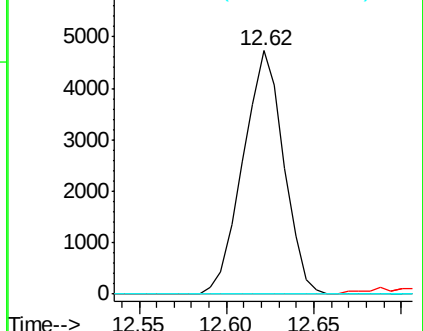
89 0.0 42.2 63.2#

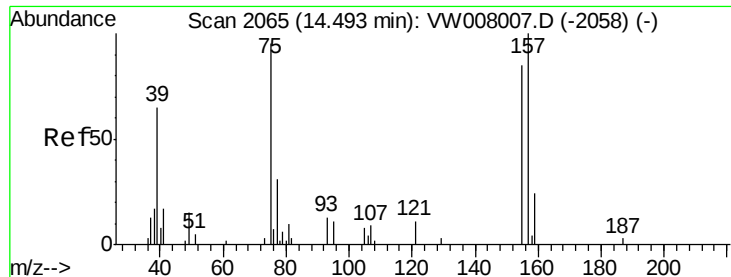


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#92

1,2-Dibromo-3-Chloropropane

Concen: 14.301 ug/l

RT: 14.70 min Scan# 2099

Delta R.T. 0.21 min

Lab File: VW008018.D

Acq: 03 Jan 2019 14:03

Instrument :

MSVOA_W

ClientSampleId :

TEST-PIT-D13

Tgt Ion: 75 Resp: 349

Ion Ratio Lower Upper

75 100

155 0.0 42.4 127.1#

157 0.0 52.3 156.8#

