

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008578.D
 Acq On : 08 Feb 2019 17:01
 Operator : SY/VA
 Sample : K1422-01
 Misc : 6.50G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TEST-PIT-1

Quant Time: Feb 09 00:27:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	484261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	789291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	741166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	371679	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	282047	59.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.58%	
35) Dibromofluoromethane	7.88	113	246458	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
50) Toluene-d8	10.32	98	961563	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.62	95	364517	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds

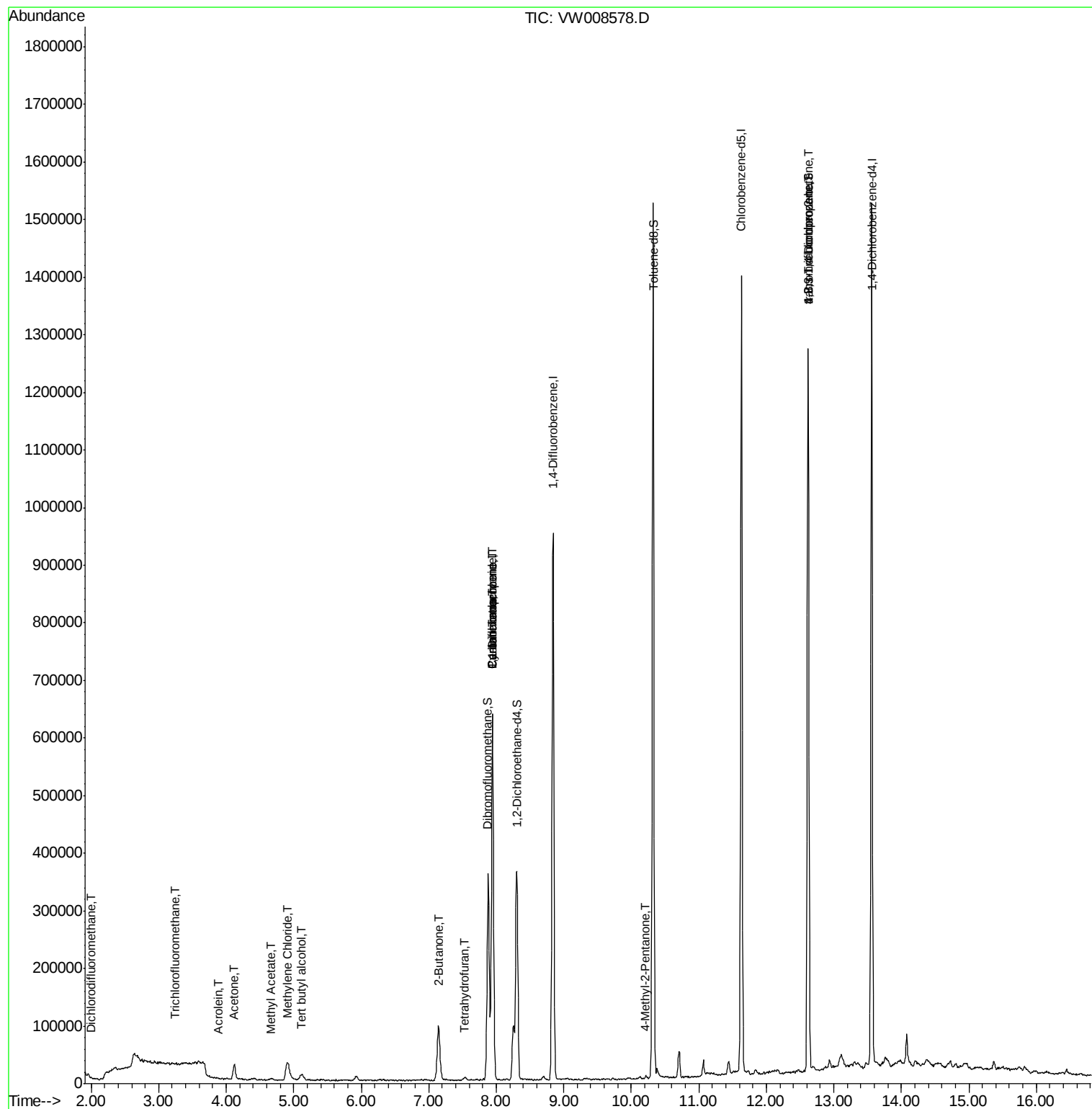
						Qvalue
2) Dichlorodifluoromethane	2.00	85	82	3.280	ug/l #	41
7) Trichlorofluoromethane	3.24	101	177	4.761	ug/l #	22
11) Tert butyl alcohol	5.12	59	6045	15.782	ug/l #	83
13) Acrolein	3.88	56	398	5.343	ug/l #	80
16) Acetone	4.12	43	43670	40.876	ug/l	93
18) Methyl Acetate	4.67	43	5457	1.915	ug/l	94
20) Methylene Chloride	4.90	84	27589	5.603	ug/l #	92
25) 2-Butanone	7.16	43	8547	5.760	ug/l	93
29) Tetrahydrofuran	7.54	42	4649	4.944	ug/l	93
31) Cyclohexane	7.94	56	11518	1.234	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	37082	4.974	ug/l #	51
38) Carbon Tetrachloride	7.95	117	47133	6.282	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	3723	1.100	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	196720	60.876	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	196720	120.235	ug/l #	12

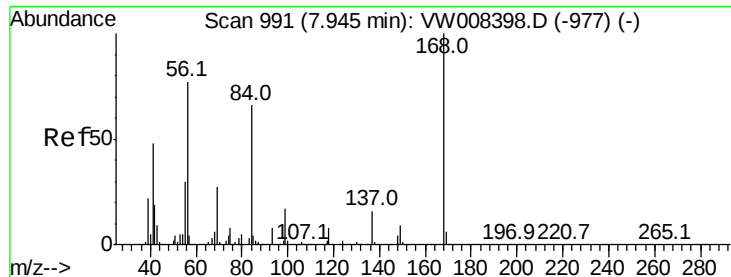
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008578.D

Acq: 08 Feb 2019 17:01

Instrument :

MSVOA_W

ClientSampleId :

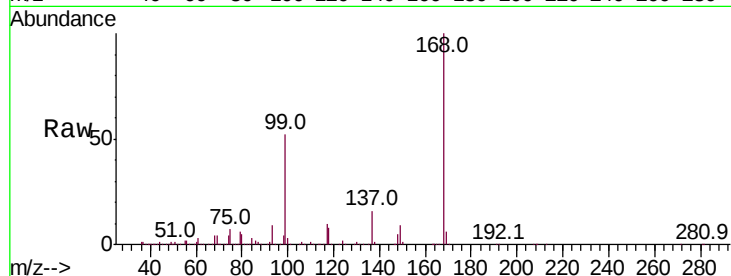
TEST-PIT-1

Tot Ion:168 Resp: 484261

Ion Ratio Lower Upper

168 100

99 52.4 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

200000

150000

100000

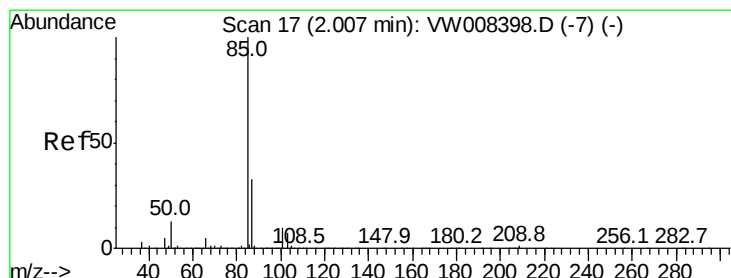
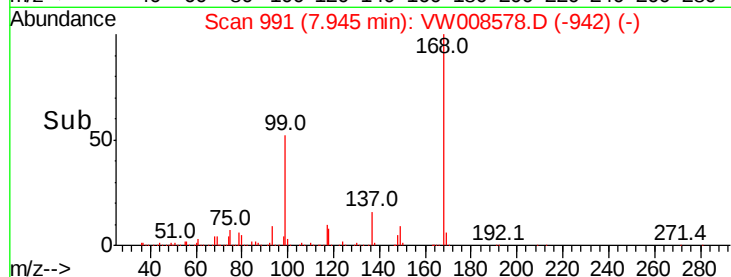
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 3.280 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008578.D

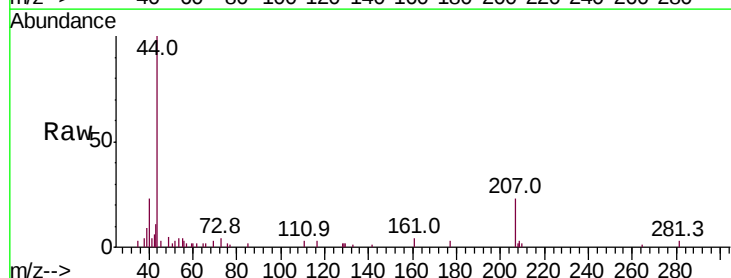
Acq: 08 Feb 2019 17:01

Tgt Ion: 85 Resp: 82

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

200

150

100

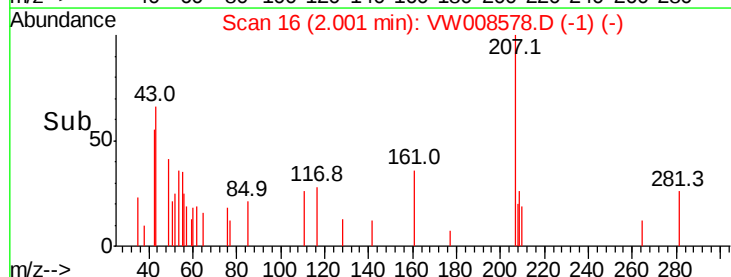
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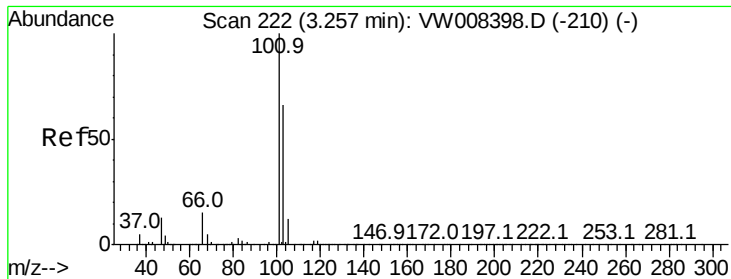
0

1.98

2.00

Time-->



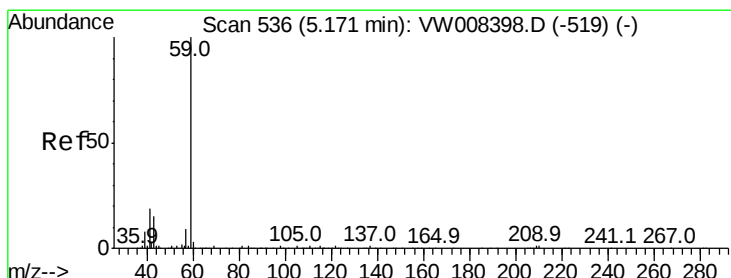
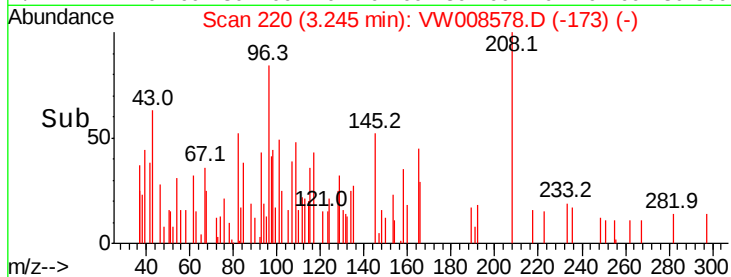
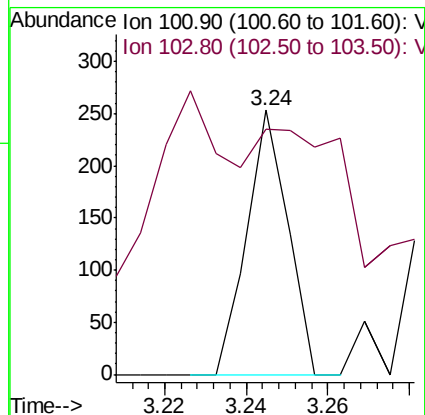
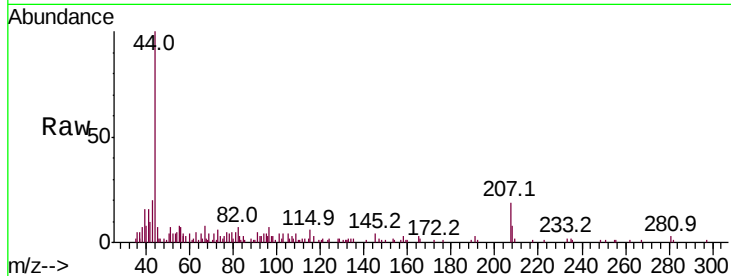


#7

Trichlorofluoromethane
Concen: 4.761 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008578.D
Acq: 08 Feb 2019 17:01

Instrument :
MSVOA_W
ClientSampled :
TEST-PIT-1

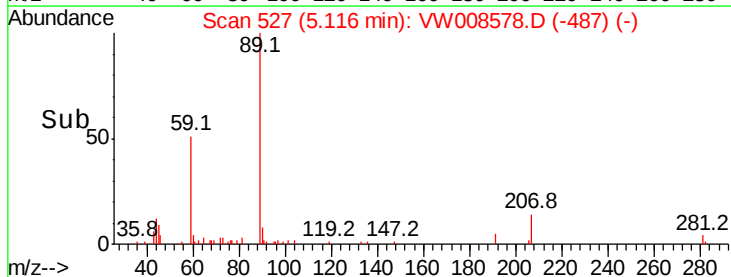
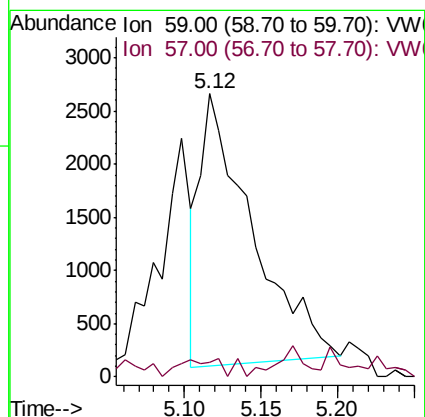
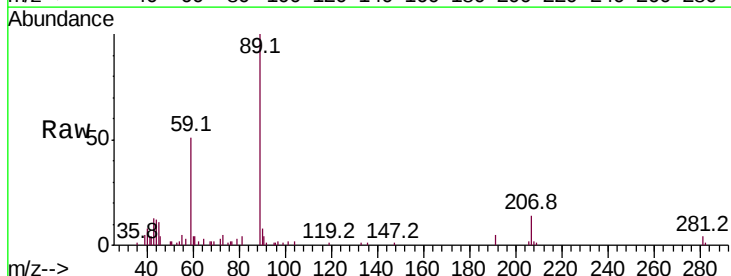
Tot Ion:101 Resp: 177
Ion Ratio Lower Upper
101 100
103 3.6 52.5 78.7#

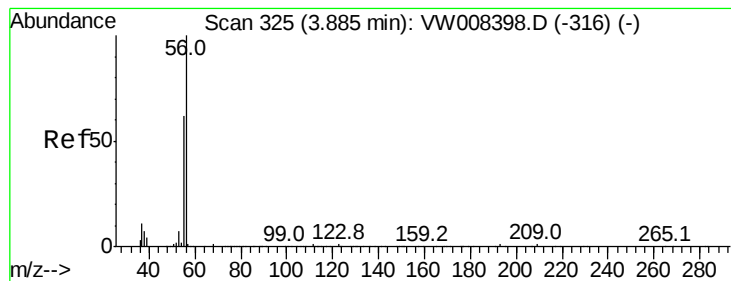


#11

Tert butyl alcohol
Concen: 15.782 ug/l
RT: 5.12 min Scan# 527
Delta R.T. -0.06 min
Lab File: VW008578.D
Acq: 08 Feb 2019 17:01

Tgt Ion: 59 Resp: 6045
Ion Ratio Lower Upper
59 100
57 5.0 9.3 13.9#





#13

Acrolein

Concen: 5.343 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008578.D

Acq: 08 Feb 2019 17:01

Instrument :

MSVOA_W

ClientSampled :

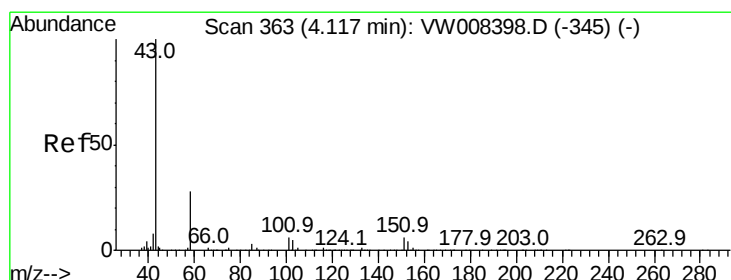
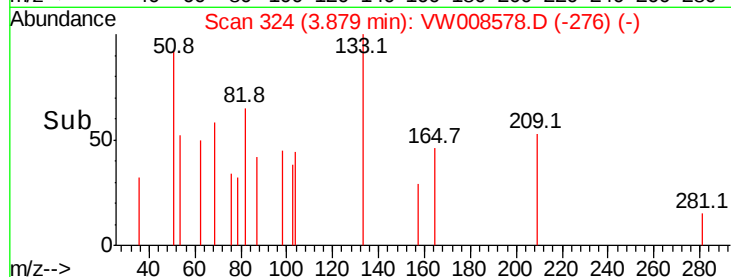
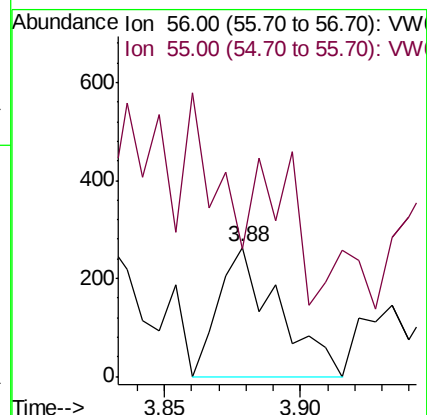
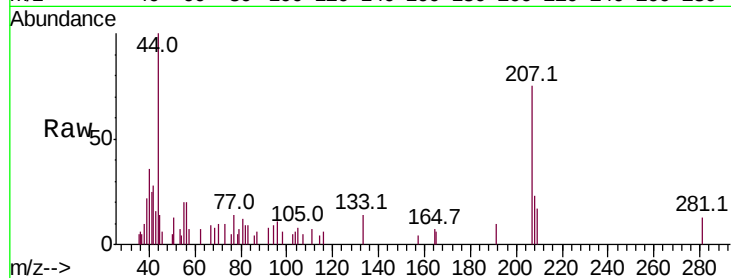
TEST-PIT-1

Tot Ion: 56 Resp: 398

Ion Ratio Lower Upper

56 100

55 54.8 56.7 85.1#



#16

Acetone

Concen: 40.876 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008578.D

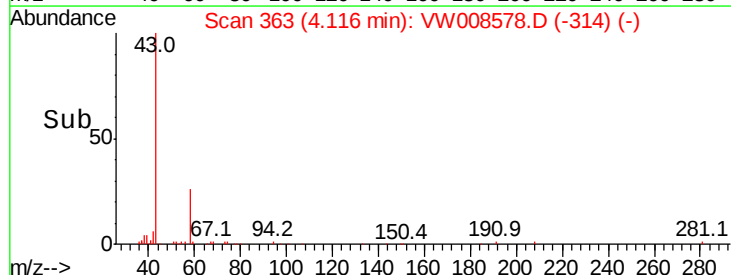
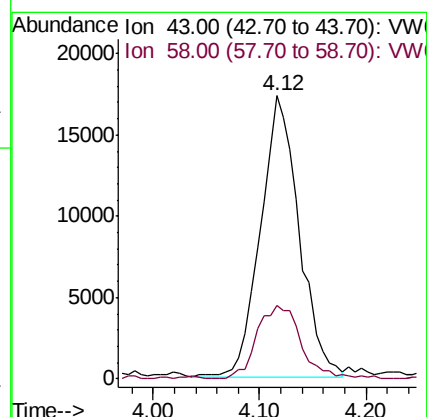
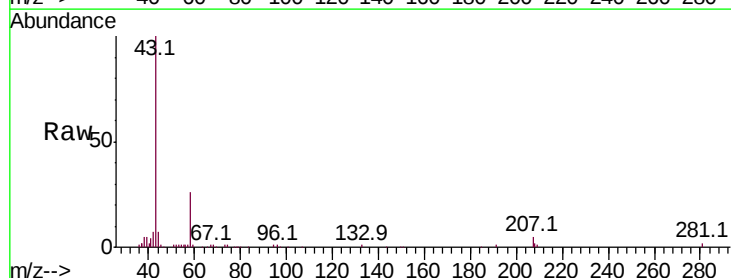
Acq: 08 Feb 2019 17:01

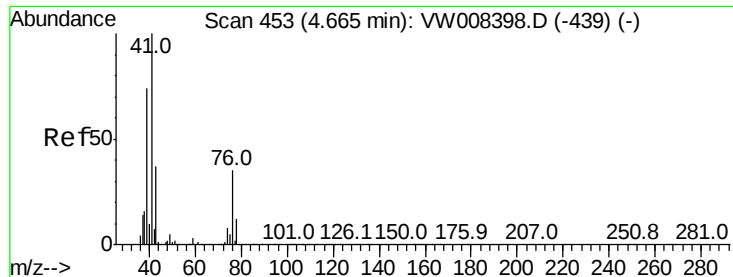
Tgt Ion: 43 Resp: 43670

Ion Ratio Lower Upper

43 100

58 24.8 22.6 34.0

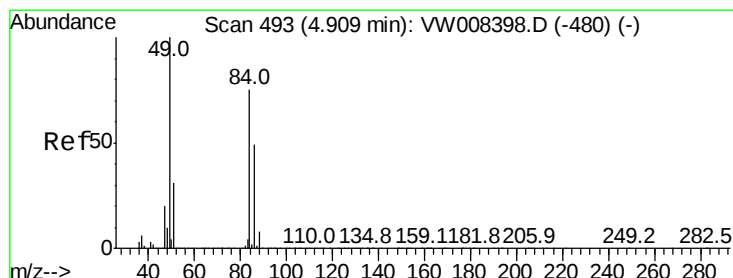
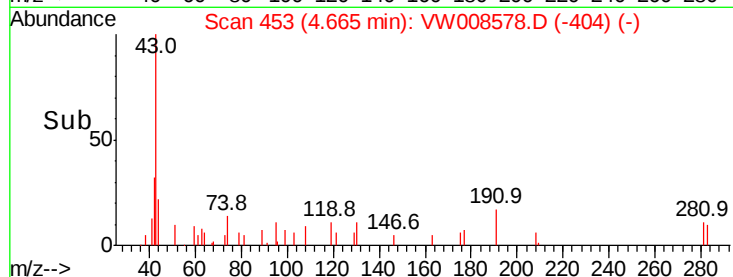
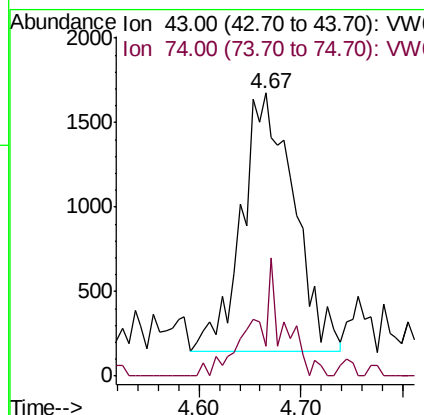
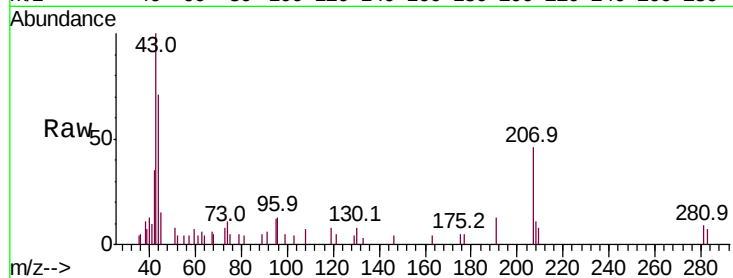




#18
Methyl Acetate
Concen: 1.915 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008578.D
Acq: 08 Feb 2019 17:01

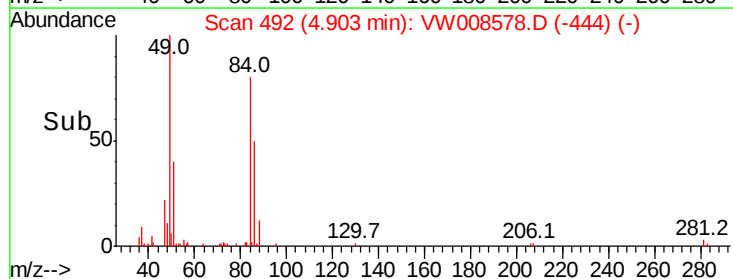
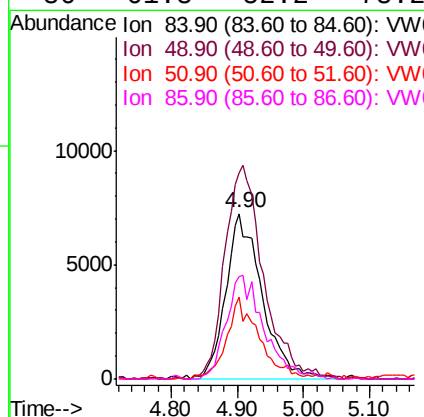
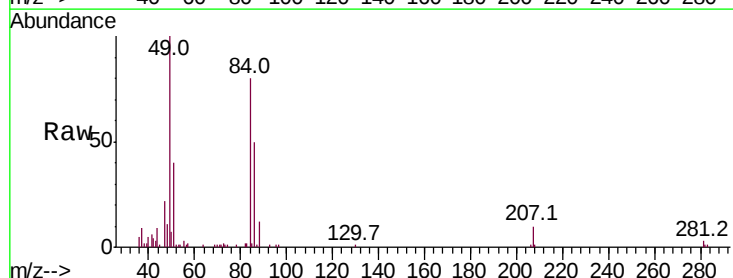
Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-1

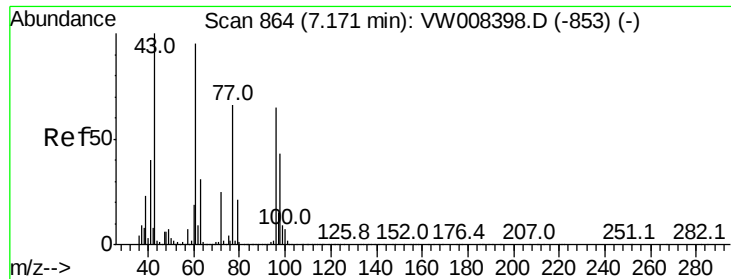
Tot Ion: 43 Resp: 5457
Ion Ratio Lower Upper
43 100
74 24.7 17.5 26.3



#20
Methylene Chloride
Concen: 5.603 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008578.D
Acq: 08 Feb 2019 17:01

Tgt Ion: 84 Resp: 27589
Ion Ratio Lower Upper
84 100
49 124.5 106.8 160.2
51 49.7 32.9 49.3#
86 61.8 52.2 78.2

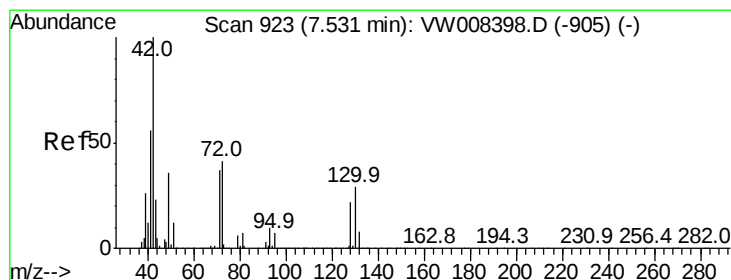
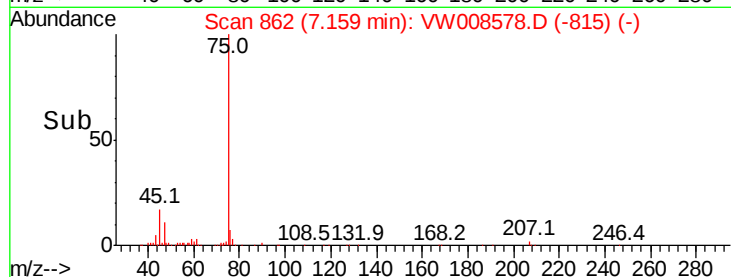
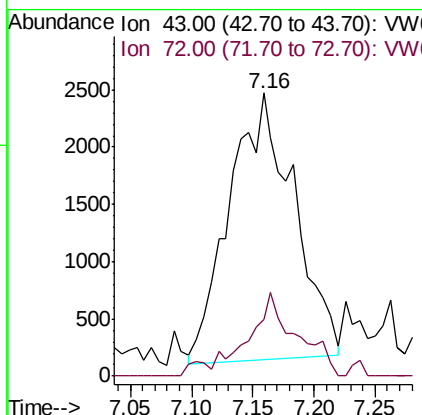
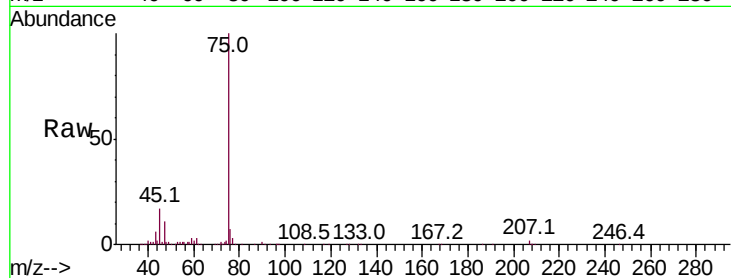




#25
2-Butanone
Concen: 5.760 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008578.D
Acq: 08 Feb 2019 17:01

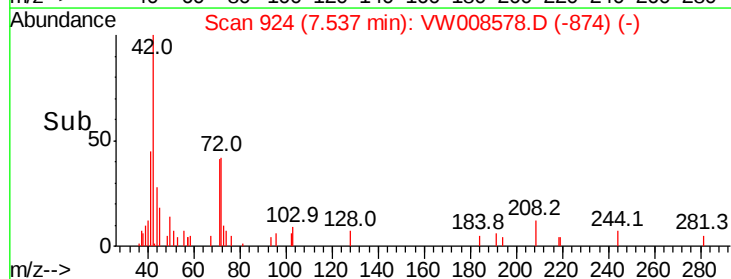
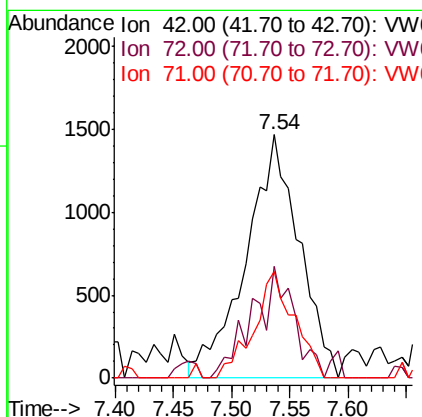
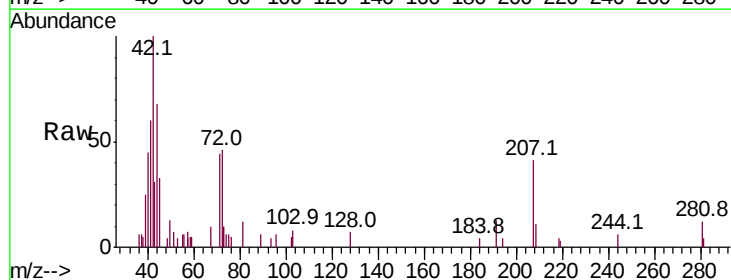
Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-1

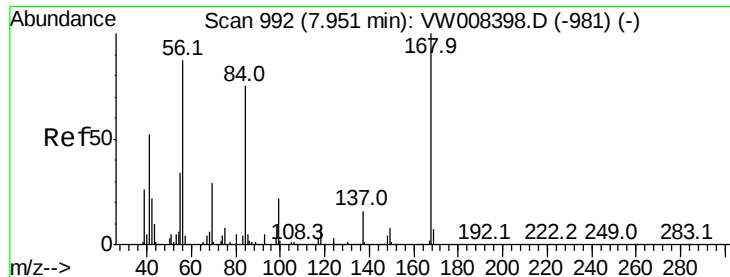
Tot Ion: 43 Resp: 8547
Ion Ratio Lower Upper
43 100
72 21.6 20.1 30.1



#29
Tetrahydrofuran
Concen: 4.944 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008578.D
Acq: 08 Feb 2019 17:01

Tgt Ion: 42 Resp: 4649
Ion Ratio Lower Upper
42 100
72 35.8 31.9 47.9
71 33.1 29.9 44.9

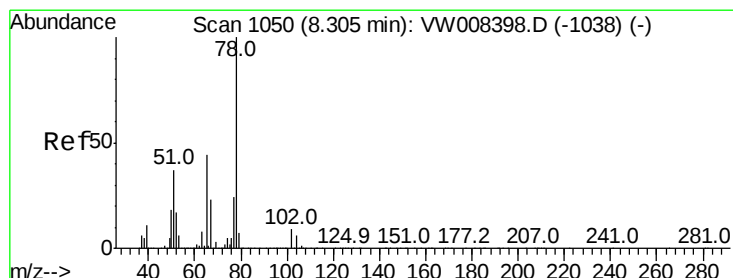
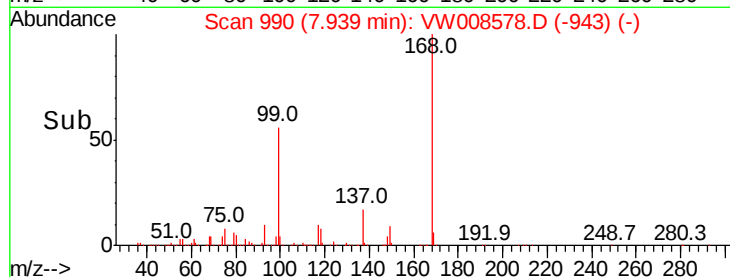
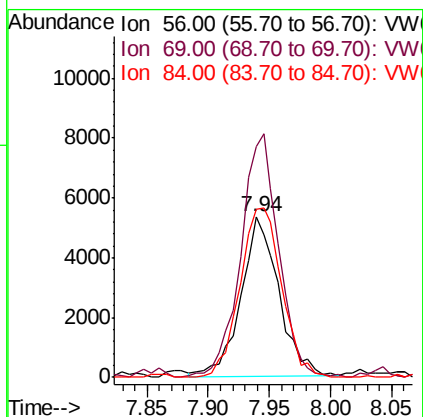
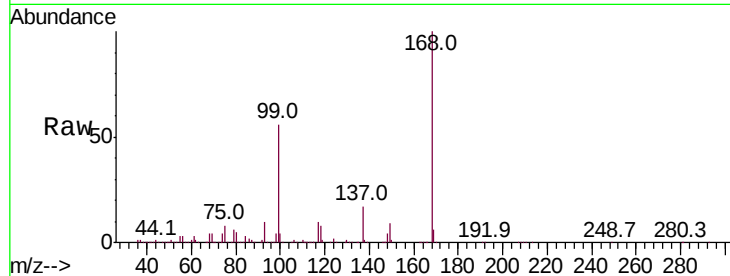




#31
Cyclohexane
Concen: 1.234 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008578.D
Acq: 08 Feb 2019 17:01

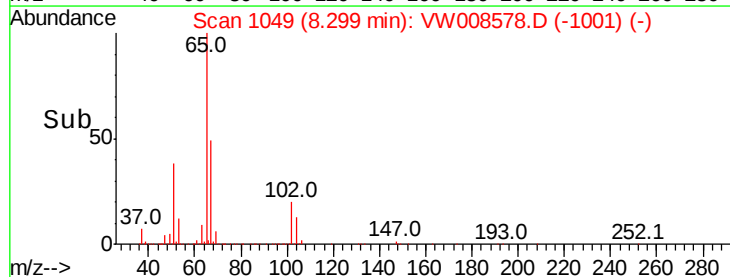
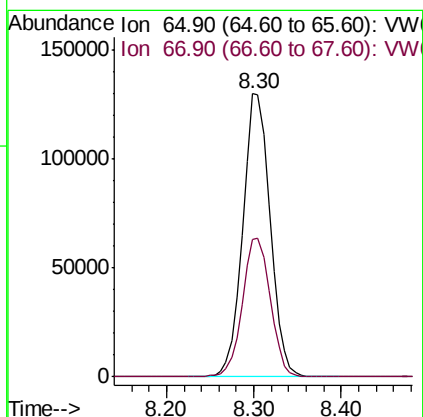
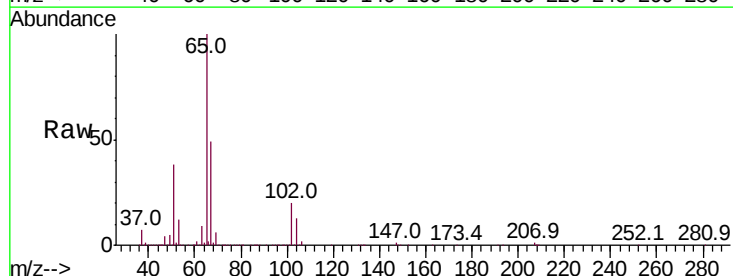
Instrument :
MSVOA_W
ClientSampled :
TEST-PIT-1

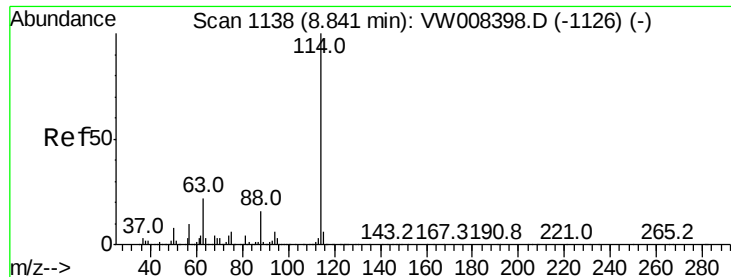
Tot Ion: 56 Resp: 11518
Ion Ratio Lower Upper
56 100
69 144.3 26.4 39.6#
84 105.9 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 59.286 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW008578.D
Acq: 08 Feb 2019 17:01

Tgt Ion: 65 Resp: 282047
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.0

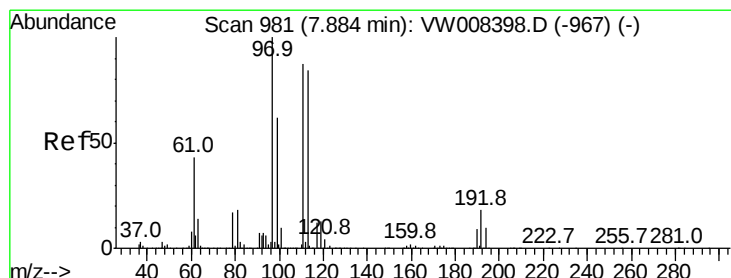
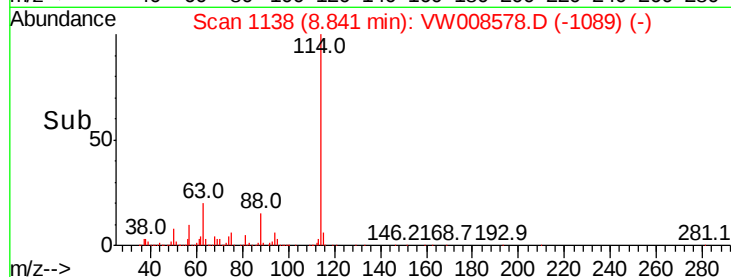
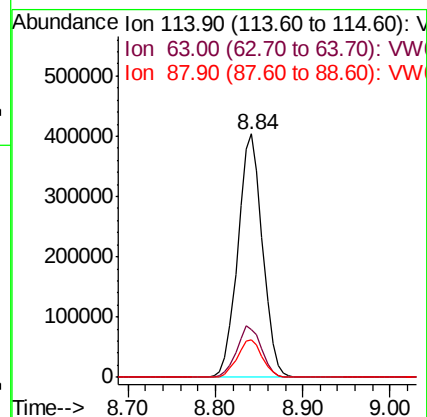
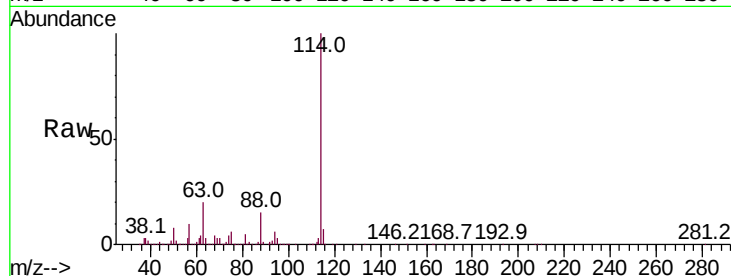




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008578.D
 Acq: 08 Feb 2019 17:01

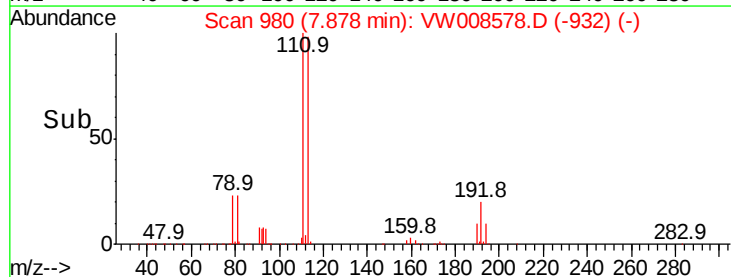
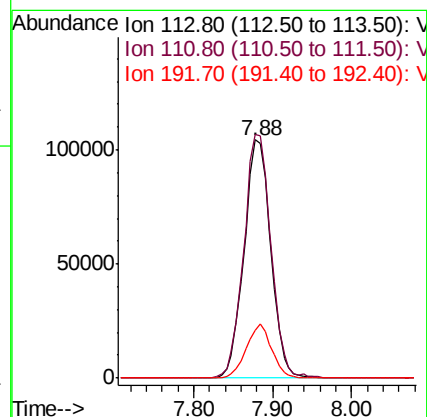
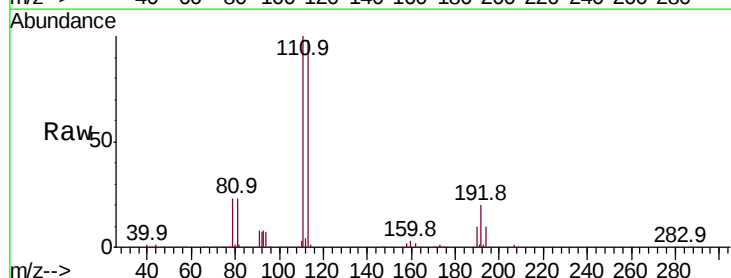
Instrument :
 MSVOA_W
 ClientSampled :
 TEST-PIT-1

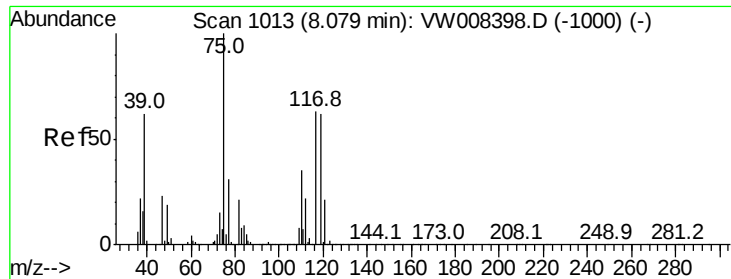
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	43.6
88	15.4	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 53.401 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008578.D
 Acq: 08 Feb 2019 17:01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.0	121.4
192	21.5	16.8	25.2





#36

1,1-Dichloropropene

Concen: 4.974 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008578.D

Acq: 08 Feb 2019 17:01

Instrument :

MSVOA_W

ClientSampleId :

TEST-PIT-1

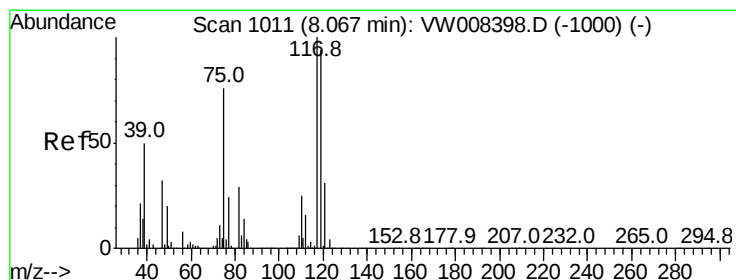
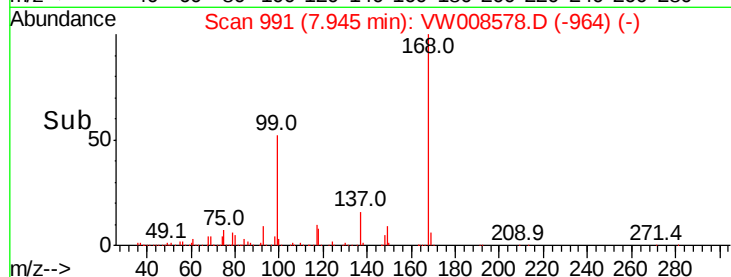
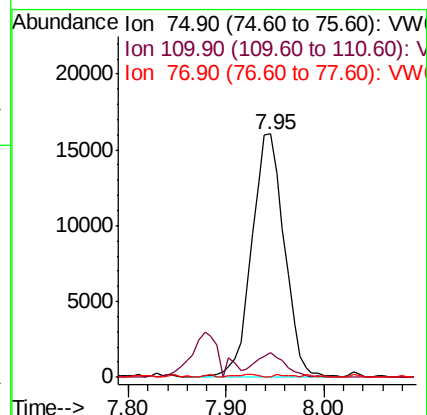
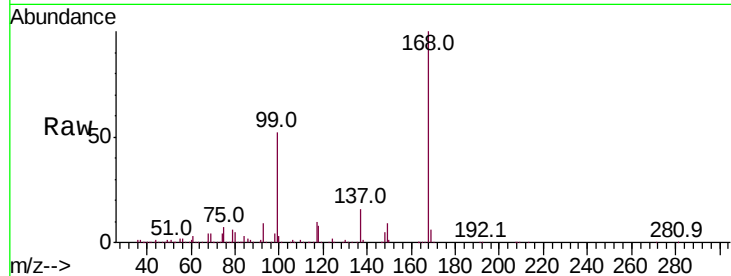
Tot Ion: 75 Resp: 37082

Ion Ratio Lower Upper

75 100

110 9.4 17.3 52.0#

77 0.4 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.282 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008578.D

Acq: 08 Feb 2019 17:01

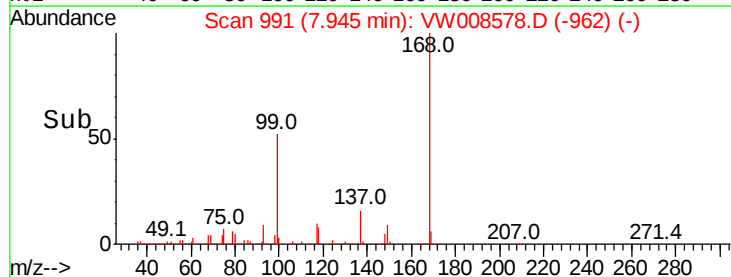
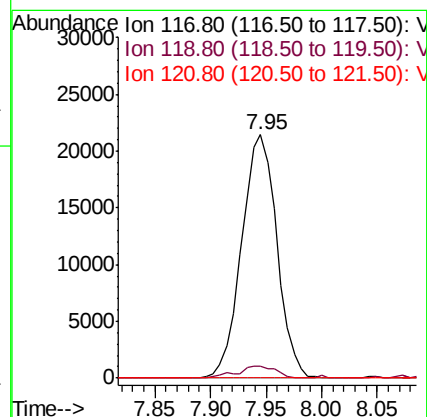
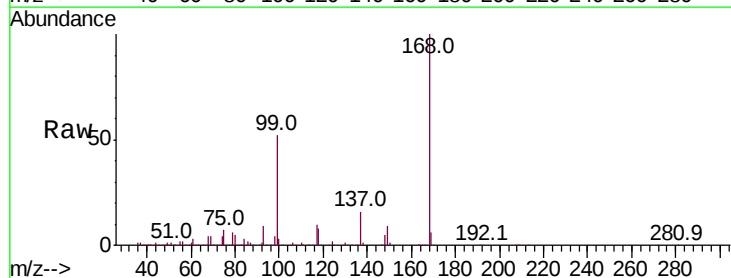
Tgt Ion: 117 Resp: 47133

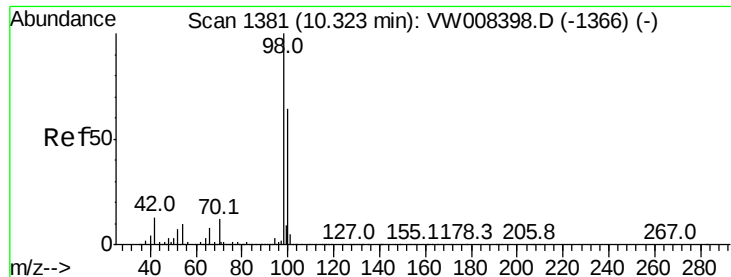
Ion Ratio Lower Upper

117 100

119 5.0 75.0 112.4#

121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 51.956 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008578.D

Acq: 08 Feb 2019 17:01

Instrument :

MSVOA_W

ClientSampleId :

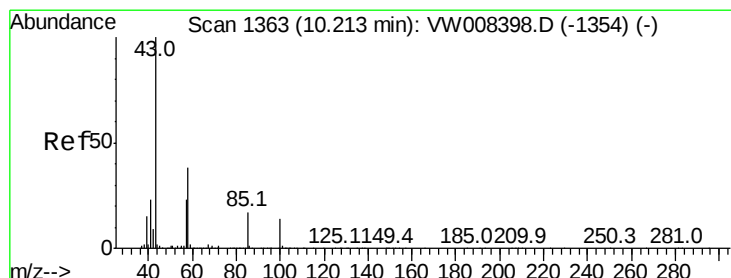
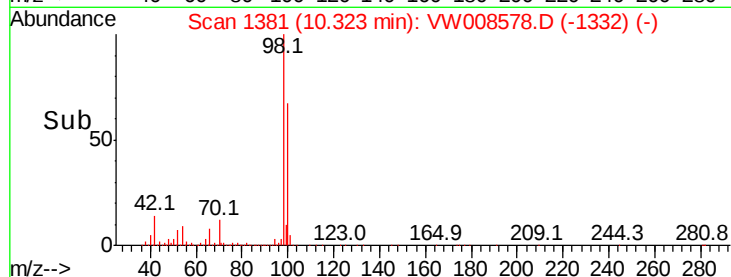
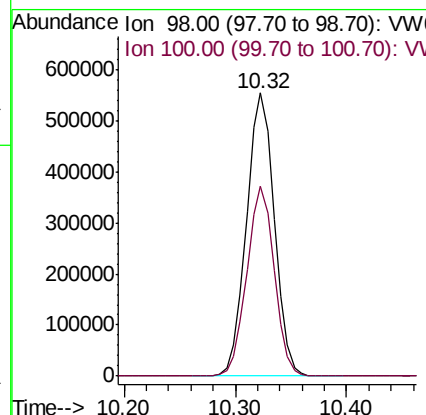
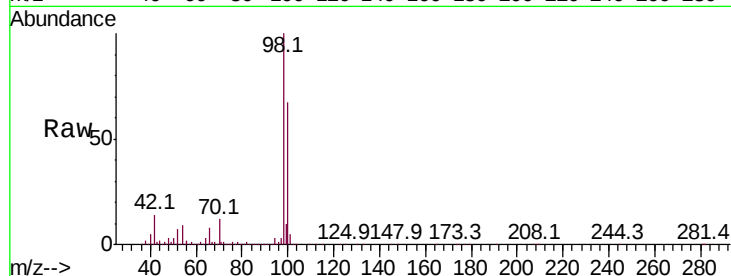
TEST-PIT-1

Tot Ion: 98 Resp: 961563

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 1.100 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008578.D

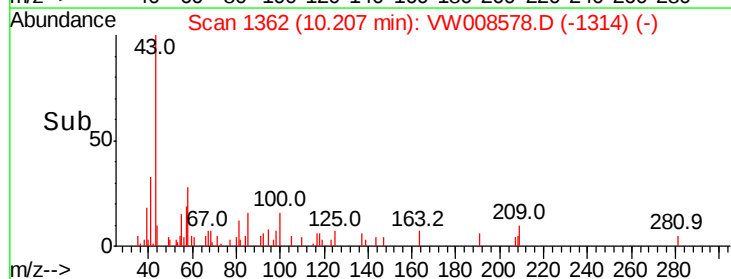
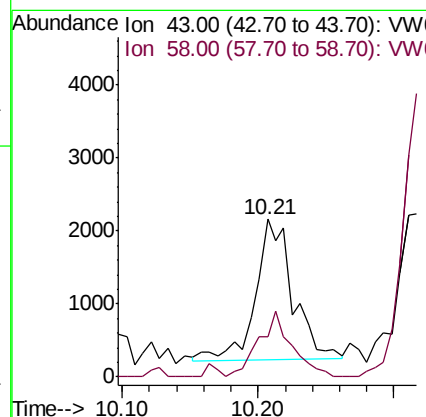
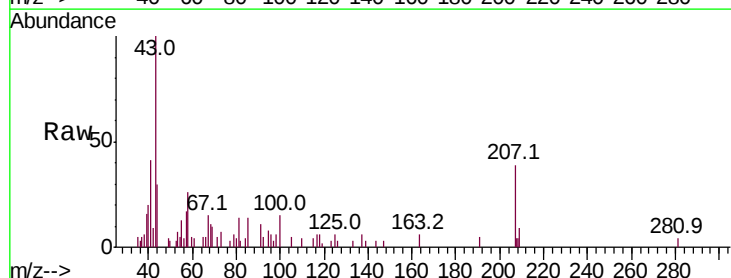
Acq: 08 Feb 2019 17:01

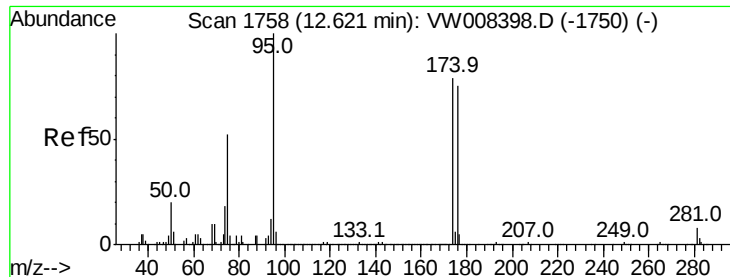
Tgt Ion: 43 Resp: 3723

Ion Ratio Lower Upper

43 100

58 41.1 29.7 44.5





#62

4-Bromofluorobenzene

Concen: 51.240 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008578.D

Acq: 08 Feb 2019 17:01

Instrument :

MSVOA_W

ClientSampleId :

TEST-PIT-1

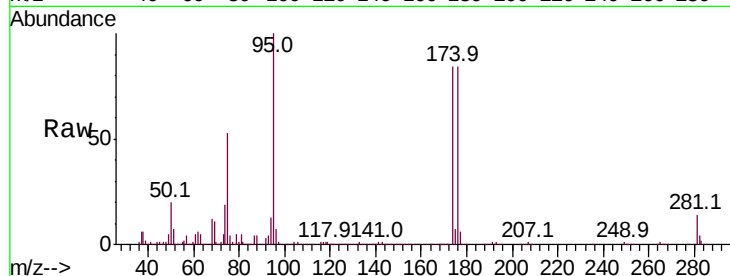
Tot Ion: 95 Resp: 364517

Ion Ratio Lower Upper

95 100

174 83.7 0.0 157.6

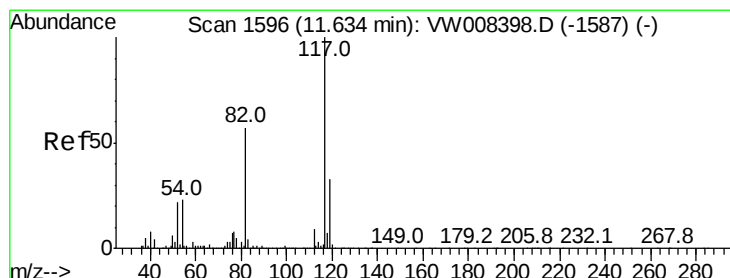
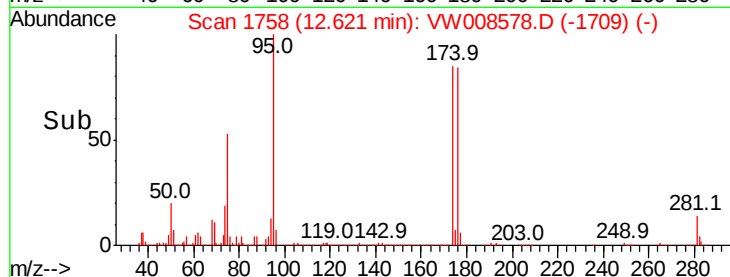
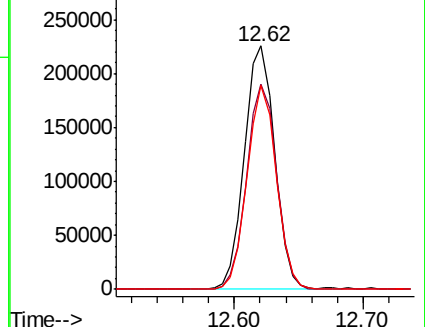
176 81.1 0.0 151.8



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: VW008578.D

Acq: 08 Feb 2019 17:01

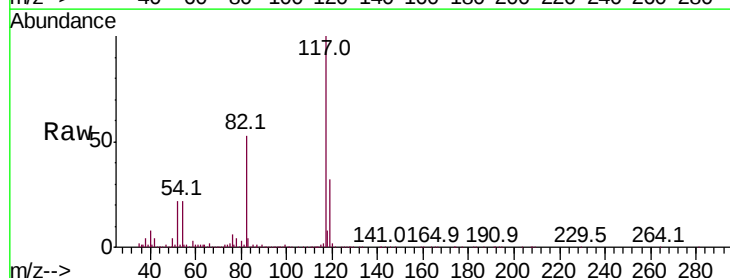
Tgt Ion: 117 Resp: 741166

Ion Ratio Lower Upper

117 100

82 53.2 45.4 68.0

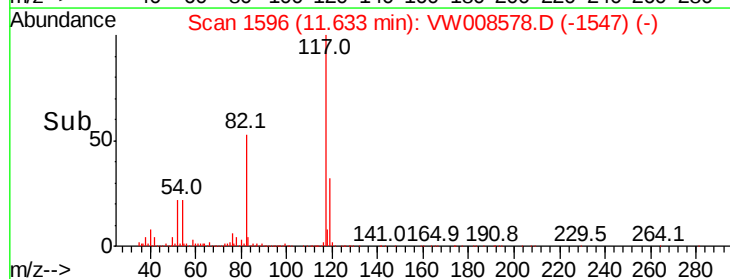
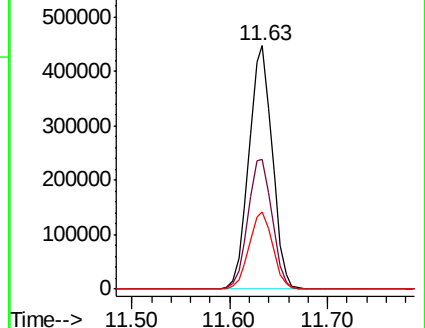
119 31.6 26.2 39.4

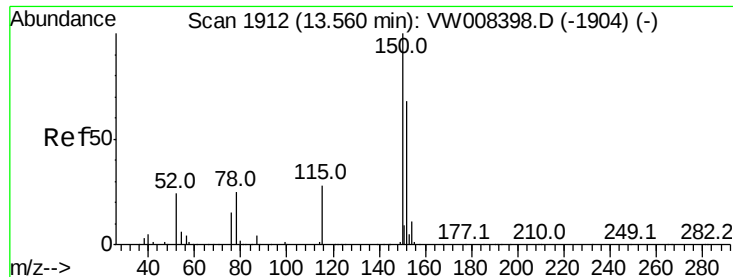


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008578.D

Acq: 08 Feb 2019 17:01

Instrument :

MSVOA_W

ClientSampleId :

TEST-PIT-1

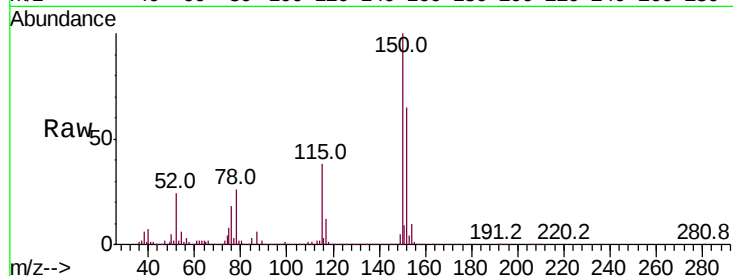
Tot Ion:152 Resp: 371679

Ion Ratio Lower Upper

152 100

115 57.9 29.9 89.7

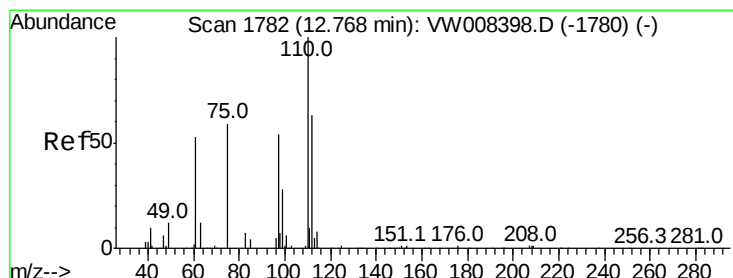
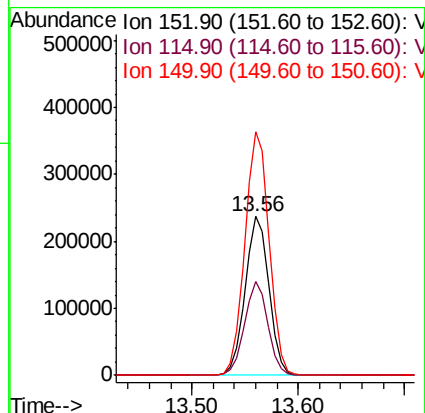
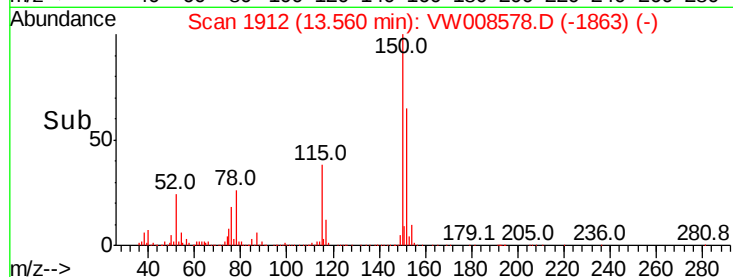
150 156.3 0.0 351.4



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: 60.876 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008578.D

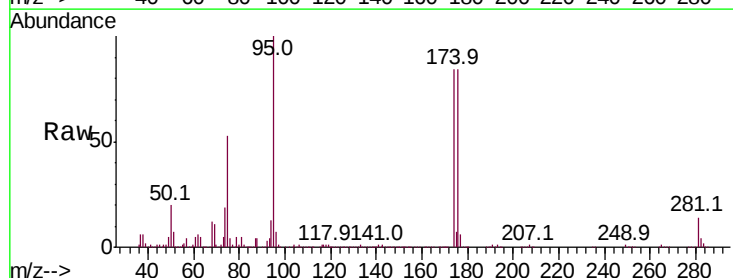
Acq: 08 Feb 2019 17:01

Tgt Ion: 75 Resp: 196720

Ion Ratio Lower Upper

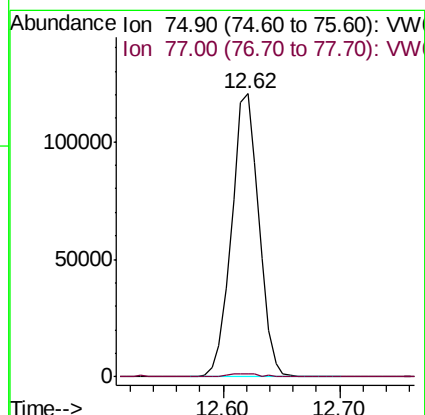
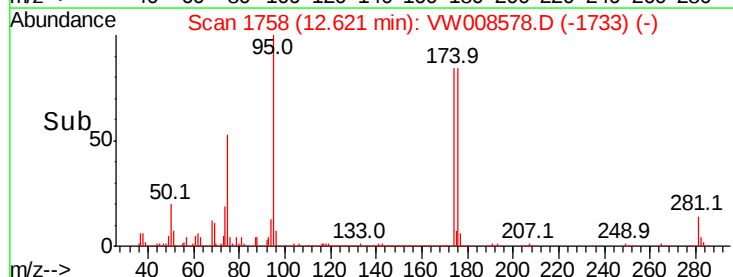
75 100

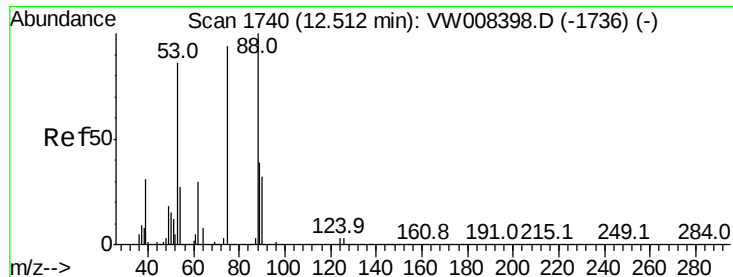
77 1.6 180.7 542.1#



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: 120.235 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008578.D

Acq: 08 Feb 2019 17:01

Instrument :

MSVOA_W

ClientSampleId :

TEST-PIT-1

Tot Ion: 75 Resp: 196720

Ion Ratio Lower Upper

75 100

53 0.3 76.0 114.0#

89 0.2 35.4 53.0#

