

Data File : VW013988.D
Acq On : 12 Nov 2019 20:50
Operator : SY/VA
Sample : K5789-02RE
Misc : 5.82G/5.0ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-17-S2

Quant Time: Nov 13 06:45:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	266349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	405898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	345910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147966	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	115062	57.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.18%	
35) Dibromofluoromethane	7.88	113	119118	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.32	98	472794	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.62	95	147416	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	

Target Compounds

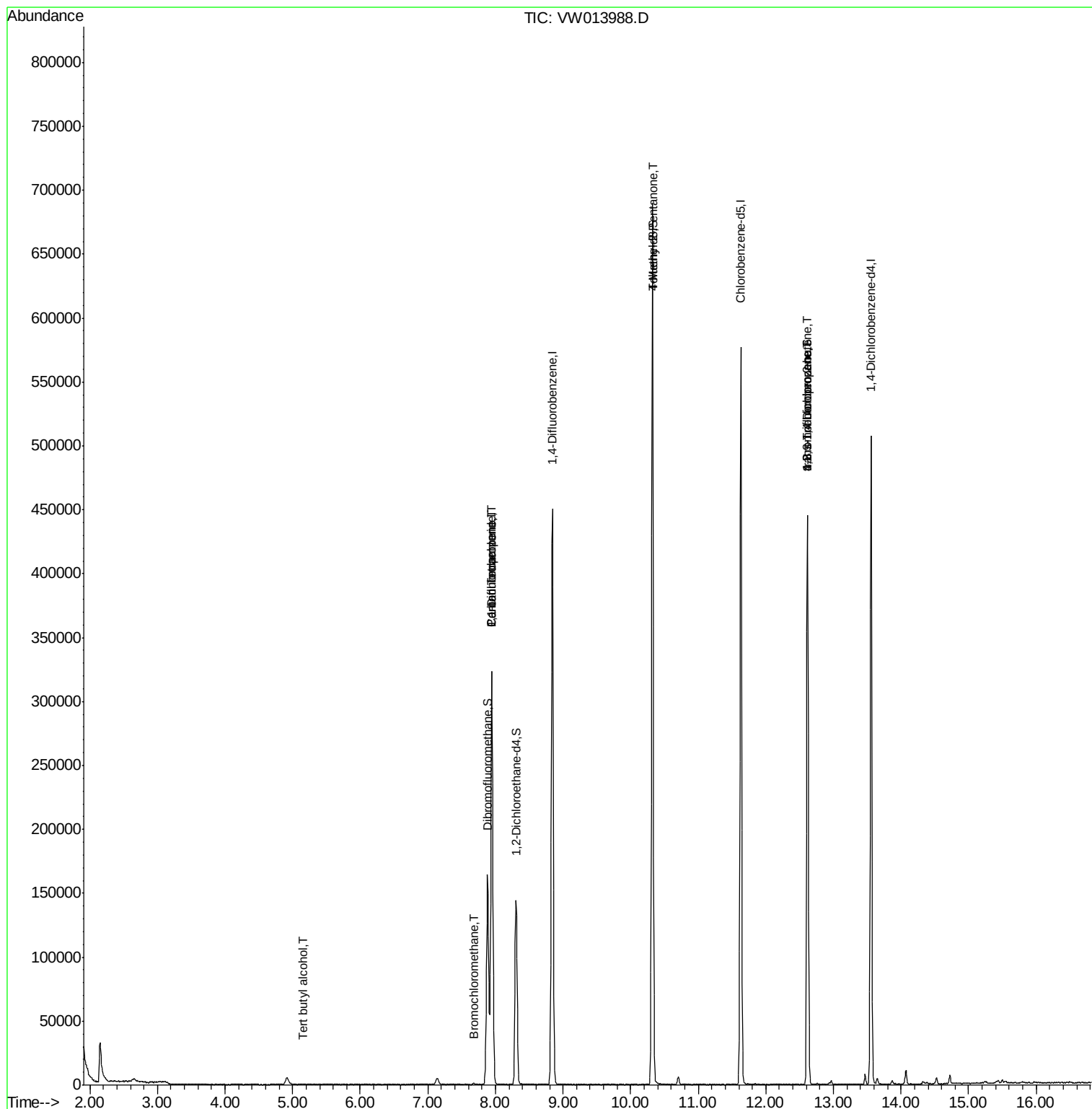
						Qvalue
11) Tert butyl alcohol	5.16	59	377	3.161	ug/l #	71
20) Methylene Chloride	4.91	84	4525	Below Cal	#	89
28) Bromochloromethane	7.68	49	46	1.370	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	16102	4.260	ug/l #	48
38) Carbon Tetrachloride	7.95	117	22972	6.748	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	1959	1.423	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	67529	63.551	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67529	120.102	ug/l #	14

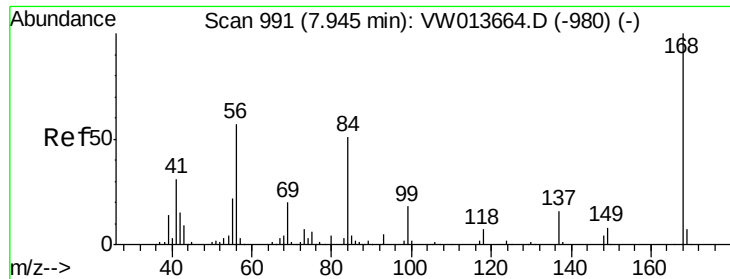
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013988.D

Acq: 12 Nov 2019 20:50

Instrument :

MSVOA_W

ClientSampled :

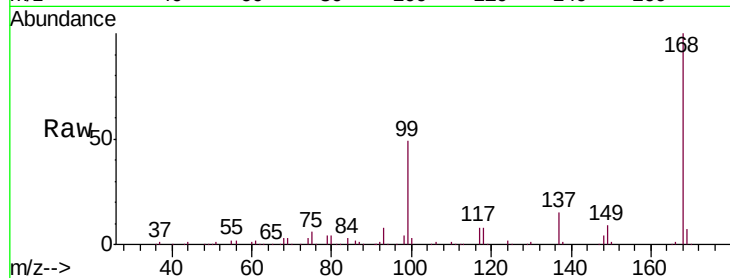
TP-17-S2

Tgt Ion: 168 Resp: 266349

Ion Ratio Lower Upper

168 100

99 49.2 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

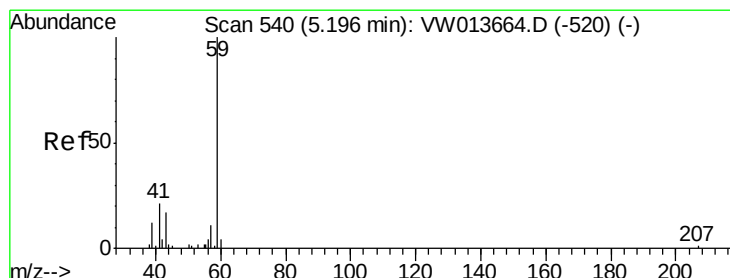
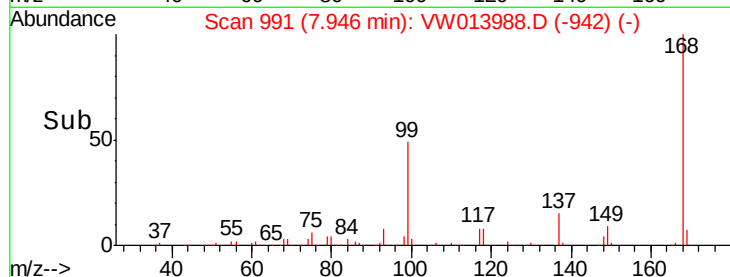
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 3.161 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.04 min

Lab File: VW013988.D

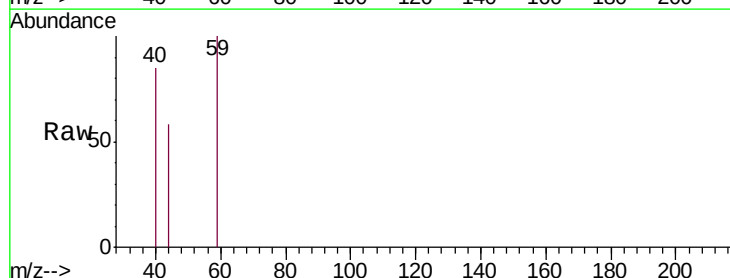
Acq: 12 Nov 2019 20:50

Tgt Ion: 59 Resp: 377

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

5.16

250

200

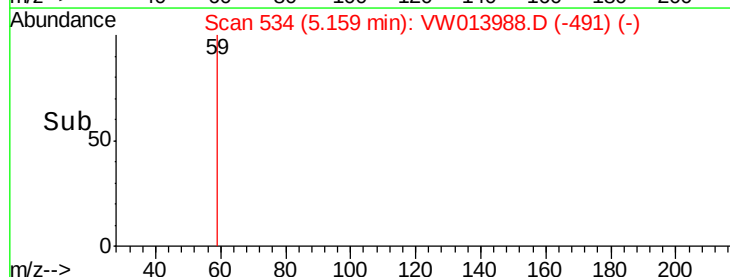
150

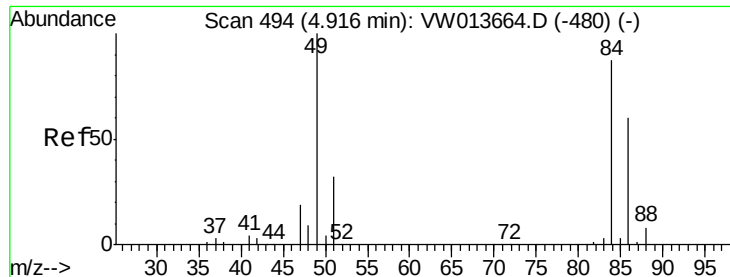
100

50

0

Time--> 5.15 5.20

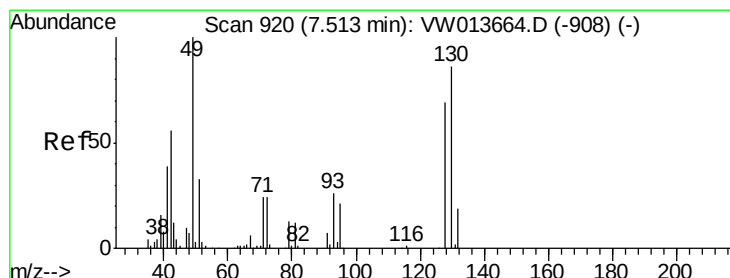
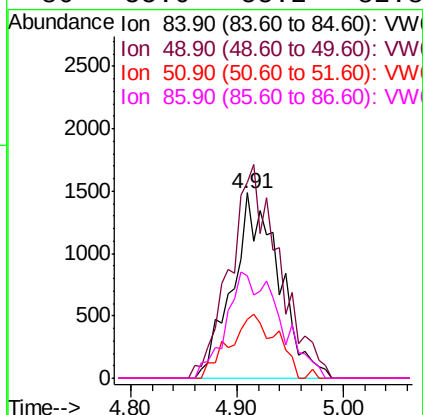
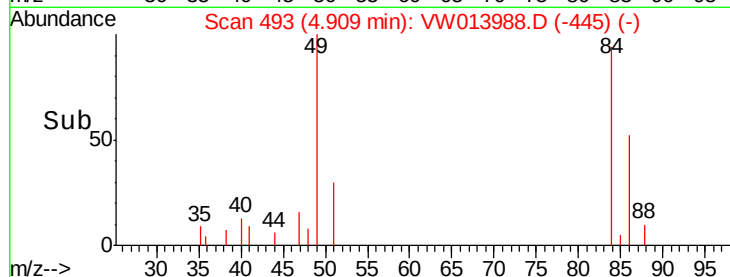
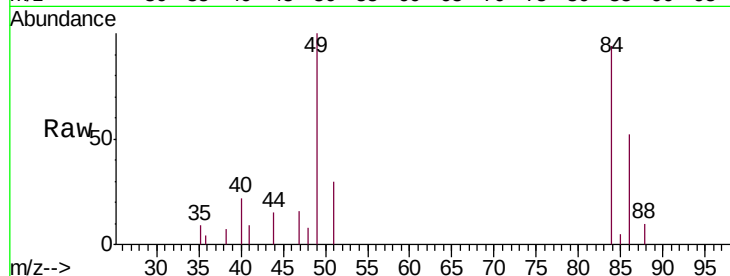




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013988.D
Acq: 12 Nov 2019 20:50

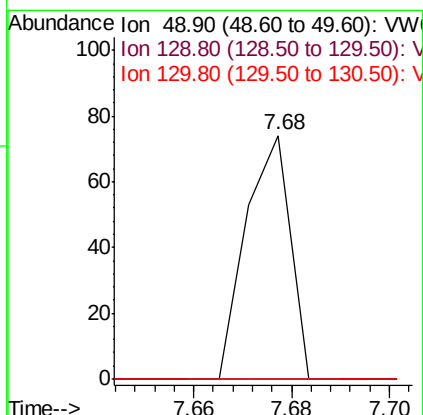
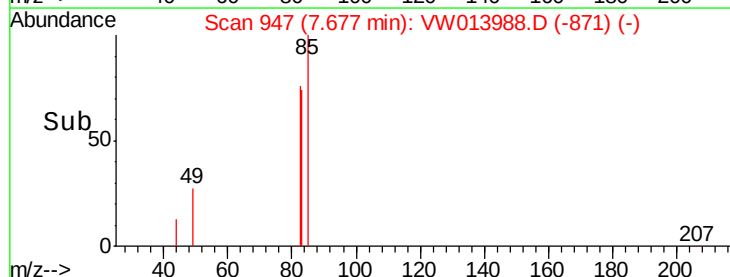
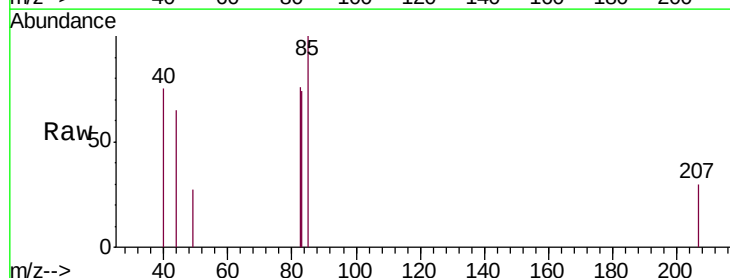
Instrument :
MSVOA_W
ClientSampleId :
TP-17-S2

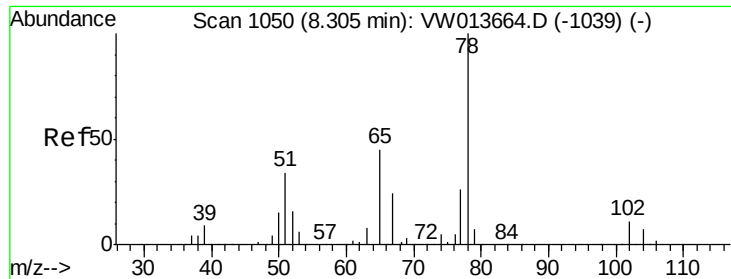
Tgt Ion: 84 Resp: 4525
Ion Ratio Lower Upper
84 100
49 105.9 91.8 137.6
51 31.6 29.8 44.6
86 55.0 55.2 82.8#



#28
Bromochloromethane
Concen: 1.370 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.17 min
Lab File: VW013988.D
Acq: 12 Nov 2019 20:50

Tgt Ion: 49 Resp: 46
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.6
130 0.0 67.5 101.3#

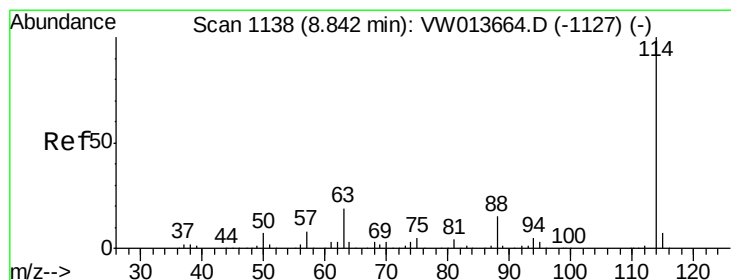
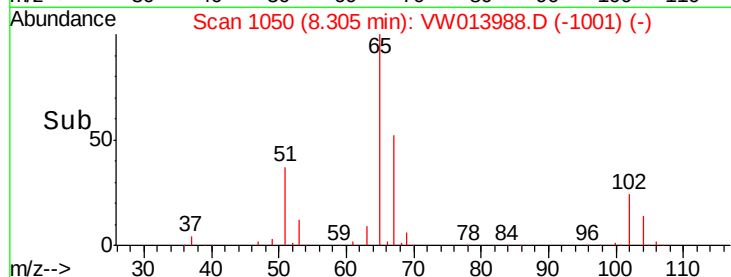
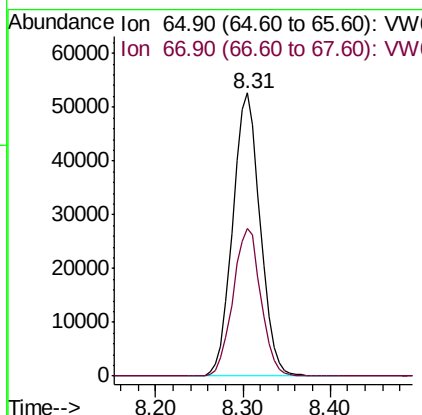
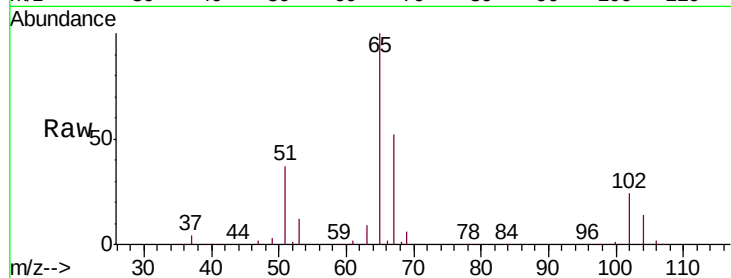




#33
 1,2-Dichloroethane-d4
 Concen: 57.587 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013988.D
 Acq: 12 Nov 2019 20:50

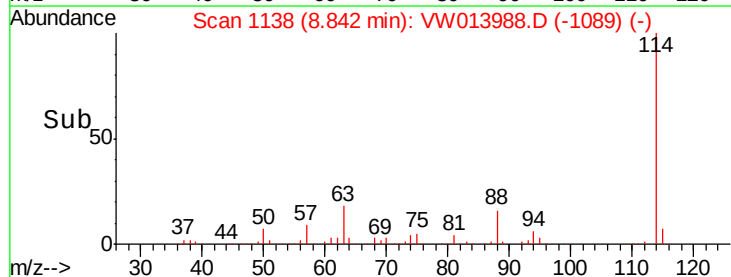
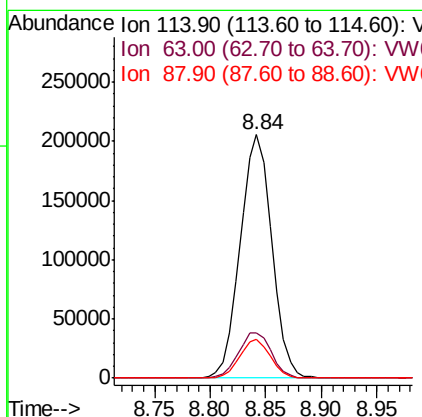
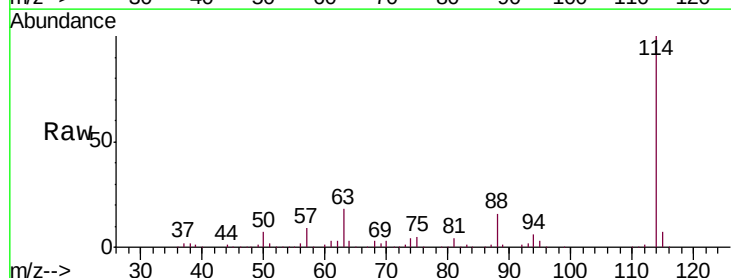
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-17-S2

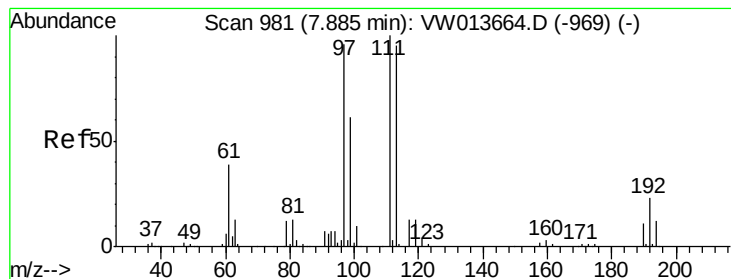
Tgt Ion: 65 Resp: 115062
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013988.D
 Acq: 12 Nov 2019 20:50

Tgt Ion: 114 Resp: 405898
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 37.6
 88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.815 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013988.D

Acq: 12 Nov 2019 20:50

Instrument :

MSVOA_W

ClientSampled :

TP-17-S2

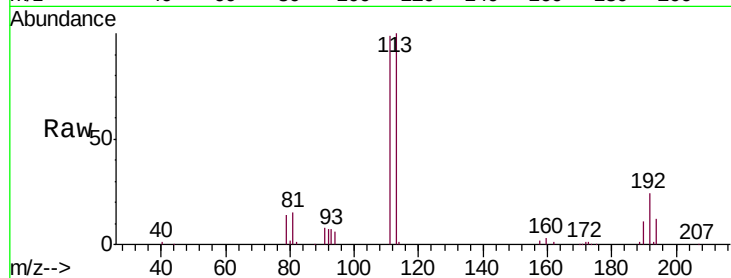
Tgt Ion:113 Resp: 119118

Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.6

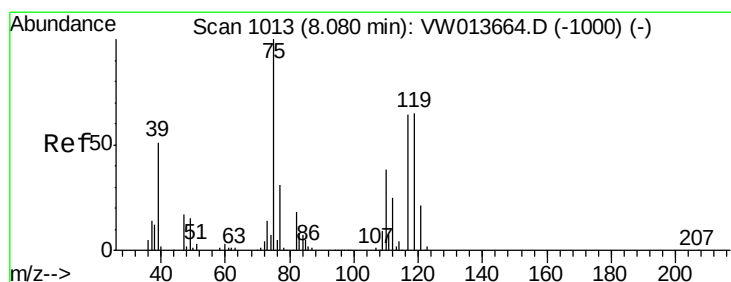
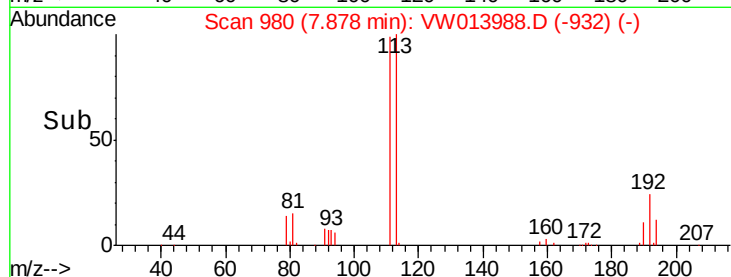
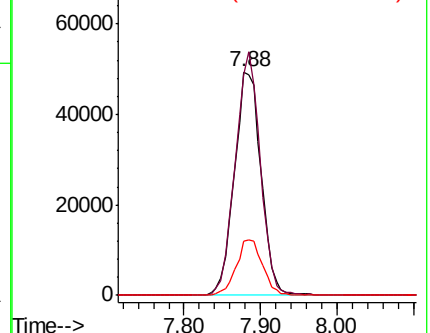
192 24.3 19.4 29.2



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: 4.260 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013988.D

Acq: 12 Nov 2019 20:50

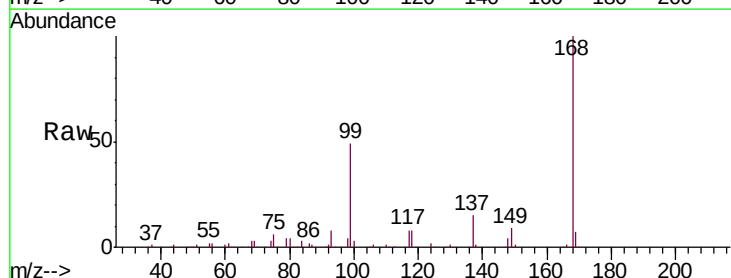
Tgt Ion: 75 Resp: 16102

Ion Ratio Lower Upper

75 100

110 9.3 18.7 56.1#

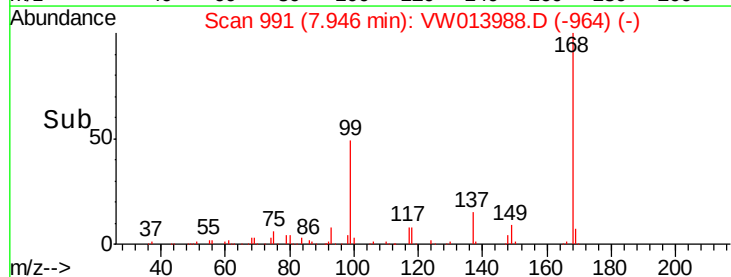
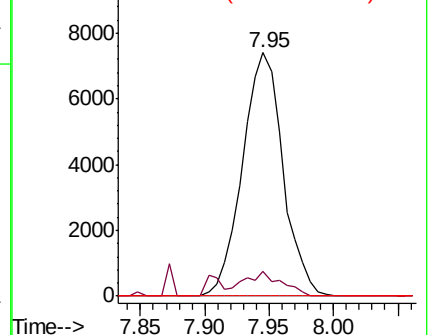
77 0.0 25.4 38.0#

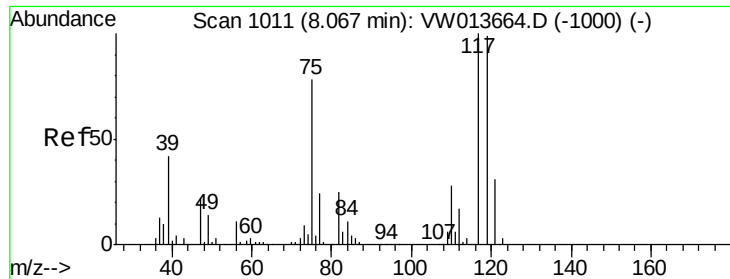


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.748 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013988.D

Acq: 12 Nov 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

TP-17-S2

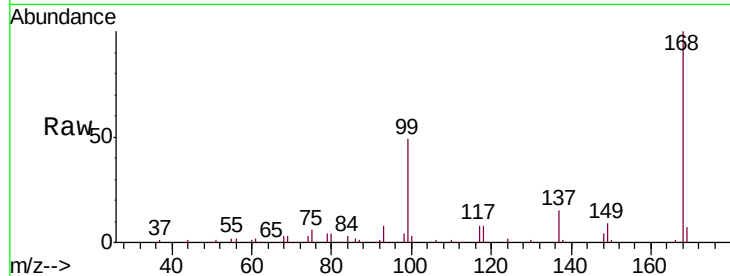
Tgt Ion:117 Resp: 22972

Ion Ratio Lower Upper

117 100

119 5.4 79.0 118.4#

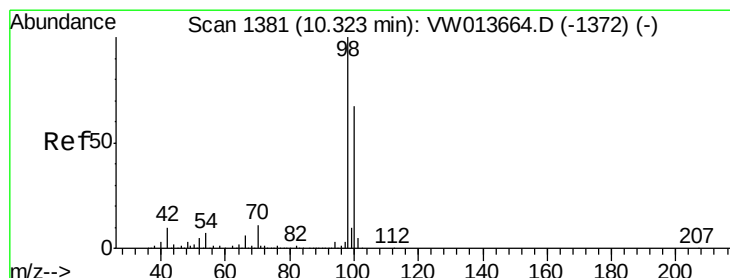
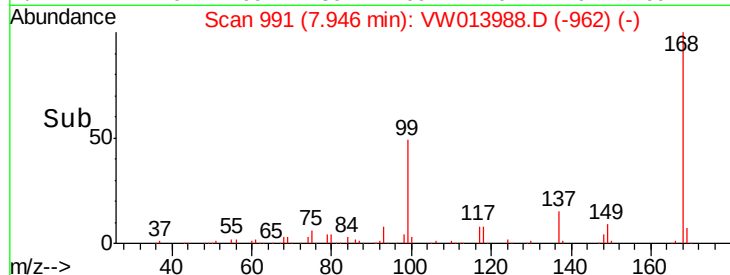
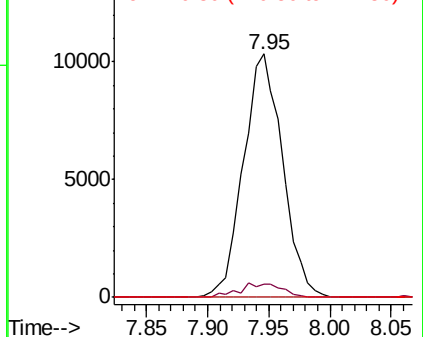
121 0.0 24.5 36.7#



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: 51.446 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013988.D

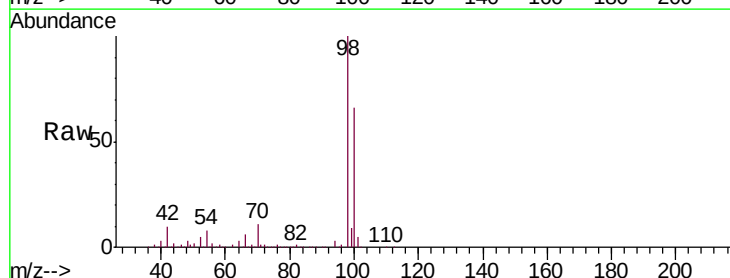
Acq: 12 Nov 2019 20:50

Tgt Ion: 98 Resp: 472794

Ion Ratio Lower Upper

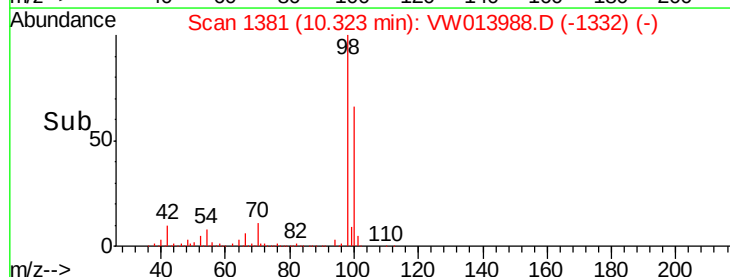
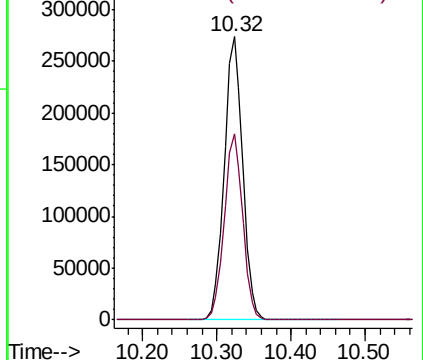
98 100

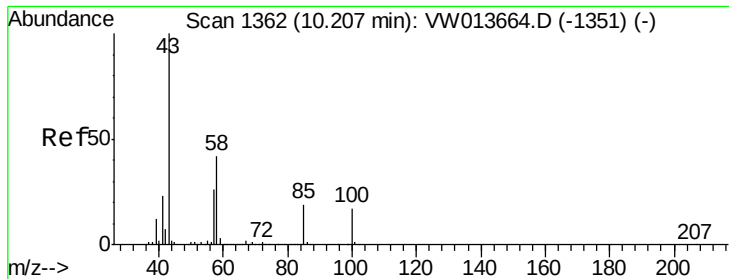
100 65.5 53.4 80.0



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: 1.423 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013988.D

Acq: 12 Nov 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

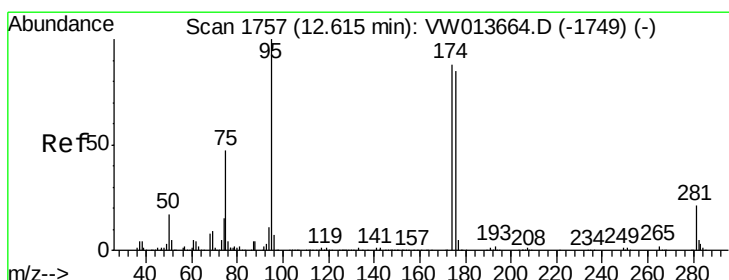
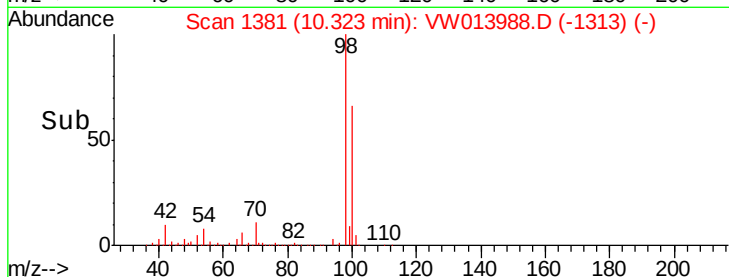
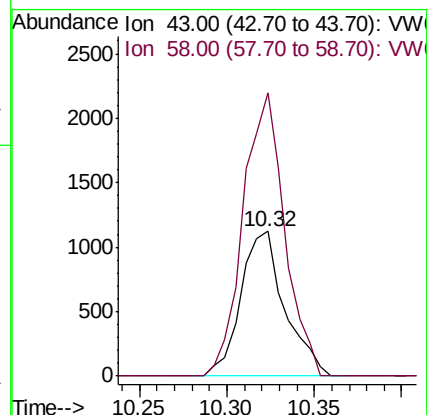
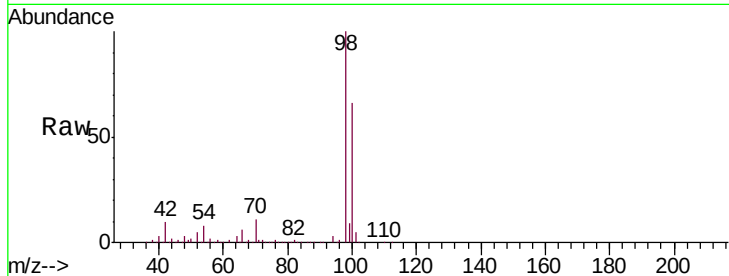
TP-17-S2

Tgt Ion: 43 Resp: 1959

Ion Ratio Lower Upper

43 100

58 184.6 32.6 49.0#



#62

4-Bromofluorobenzene

Concen: 47.373 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013988.D

Acq: 12 Nov 2019 20:50

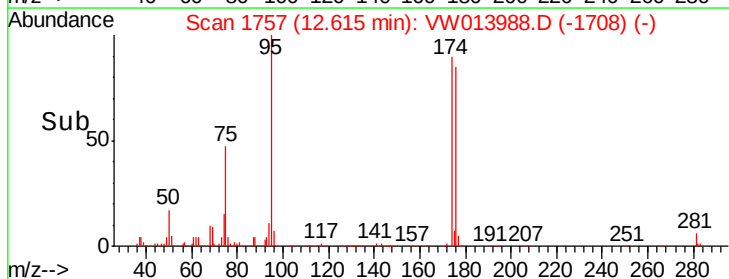
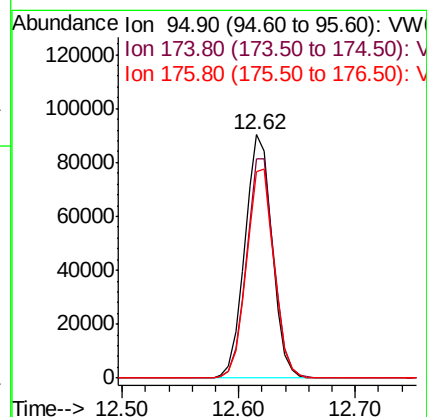
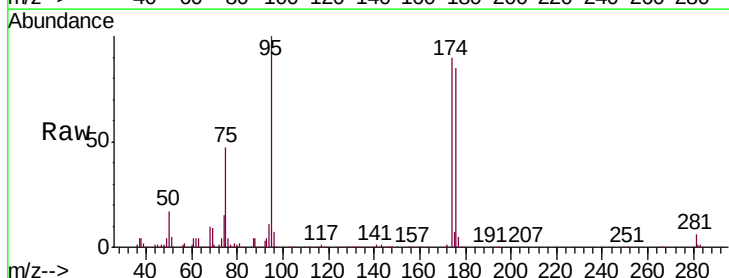
Tgt Ion: 95 Resp: 147416

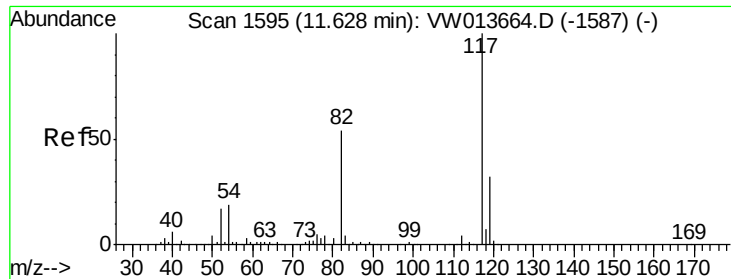
Ion Ratio Lower Upper

95 100

174 90.9 0.0 183.6

176 87.0 0.0 178.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW013988.D

Acq: 12 Nov 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

TP-17-S2

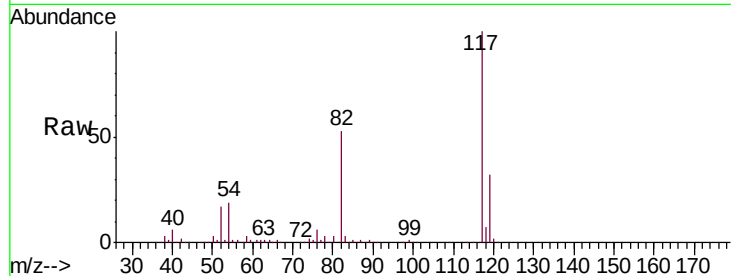
Tgt Ion:117 Resp: 345910

Ion Ratio Lower Upper

117 100

82 52.8 43.6 65.4

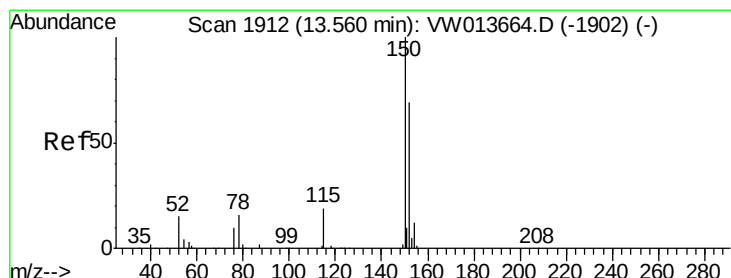
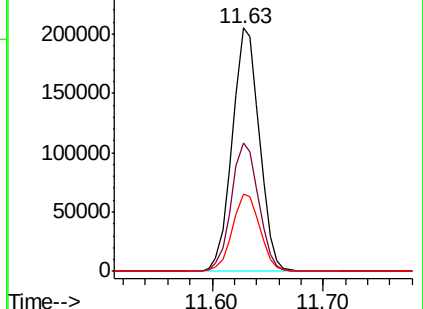
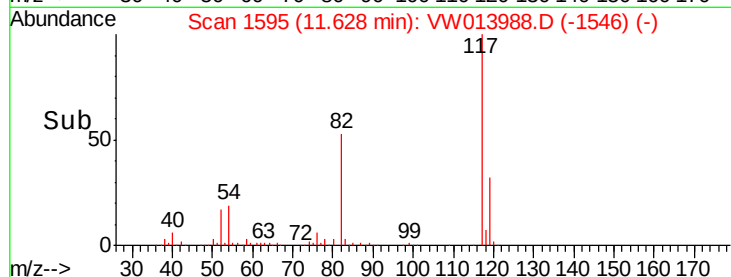
119 31.9 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013988.D

Acq: 12 Nov 2019 20:50

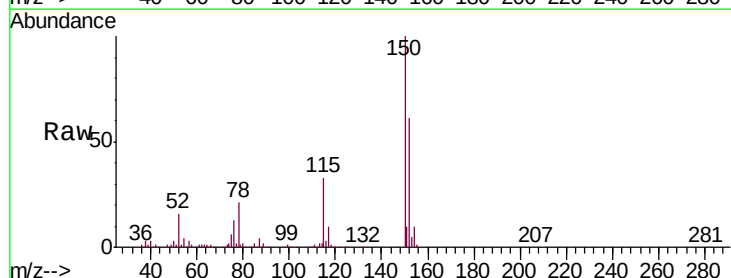
Tgt Ion:152 Resp: 147966

Ion Ratio Lower Upper

152 100

115 54.5 27.4 82.2

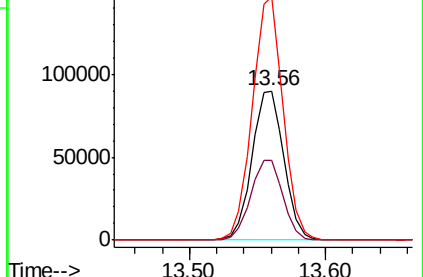
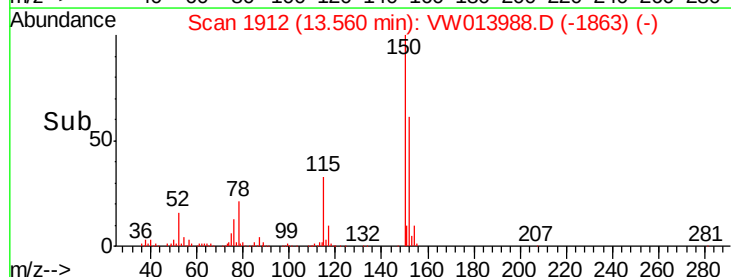
150 157.9 0.0 345.4

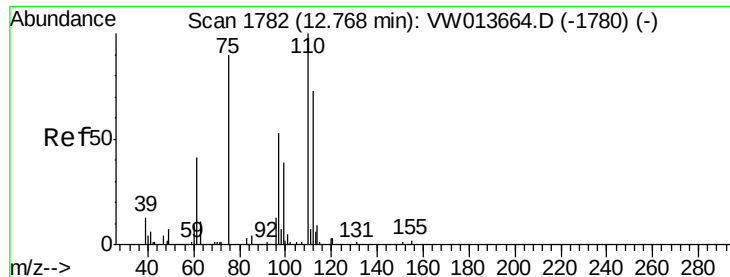


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 63.551 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013988.D

Acq: 12 Nov 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

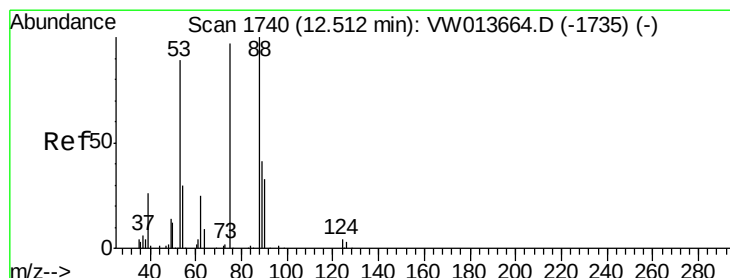
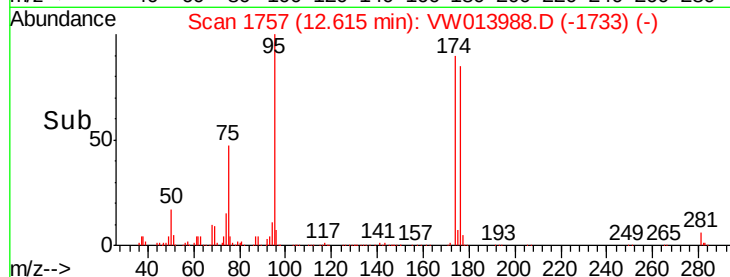
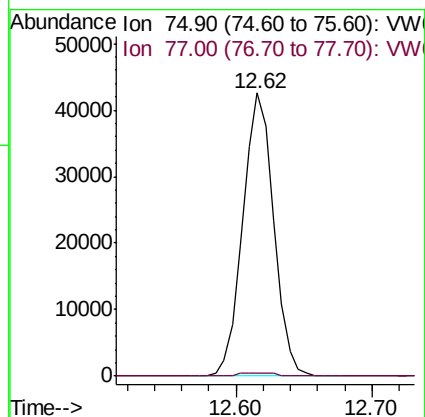
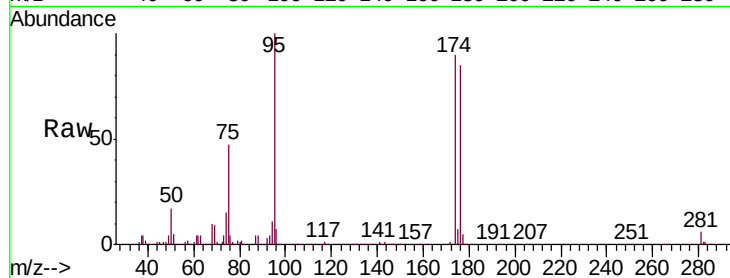
TP-17-S2

Tgt Ion: 75 Resp: 67529

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 120.102 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013988.D

Acq: 12 Nov 2019 20:50

Tgt Ion: 75 Resp: 67529

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.2 35.8 53.8#

