

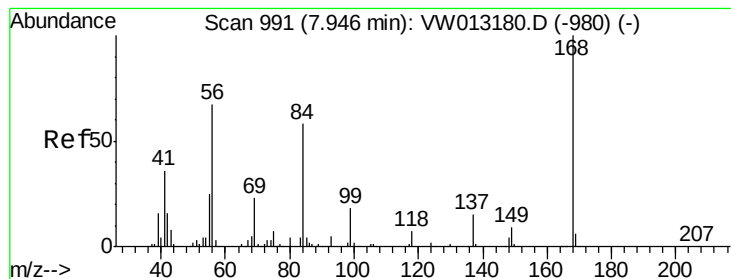
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
 Data File : VW013340.D
 Acq On : 30 Sep 2019 18:19
 Operator : SY/VA
 Sample : K5079-01
 Misc : 8.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1-COMP

Quant Time: Oct 01 05:38:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	324152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	488764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	409188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	182587	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	136113	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.90%	
35) Dibromofluoromethane	7.88	113	136616	50.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.64%	
50) Toluene-d8	10.32	98	562905	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.62	95	178948	46.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.12%	
Target Compounds						
11) Tert butyl alcohol	5.18	59	44	Below Cal	#	73
26) 2,2-Dichloropropane	7.14	77	391	Below Cal	#	52
36) 1,1-Dichloropropene	7.95	75	20825	4.399	ug/l #	48
38) Carbon Tetrachloride	7.95	117	27723	6.533	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	2152	1.113	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	83520	51.796	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83520	116.225	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013340.D

Acq: 30 Sep 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

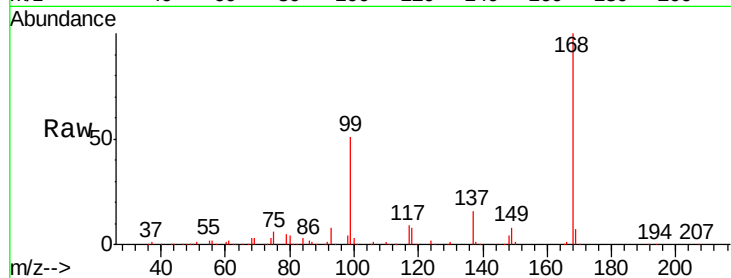
TP-1-COMP

Tgt Ion:168 Resp: 324152

Ion Ratio Lower Upper

168 100

99 50.9 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

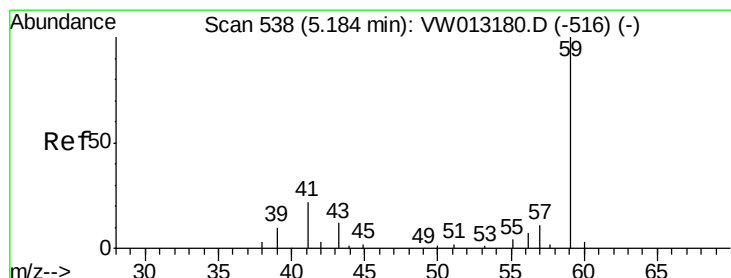
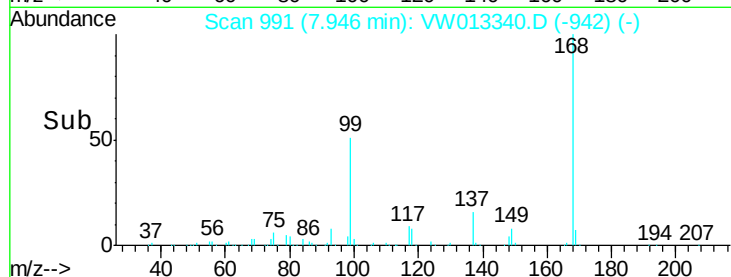
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. -0.01 min

Lab File: VW013340.D

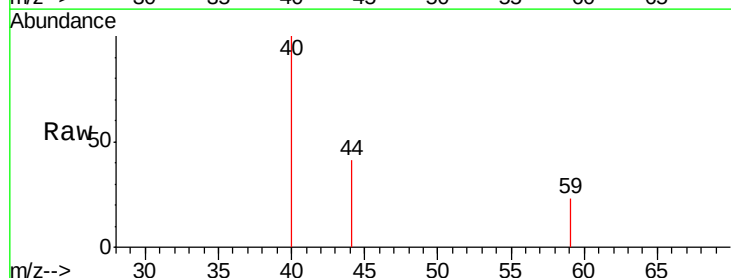
Acq: 30 Sep 2019 18:19

Tgt Ion: 59 Resp: 44

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

120

100

80

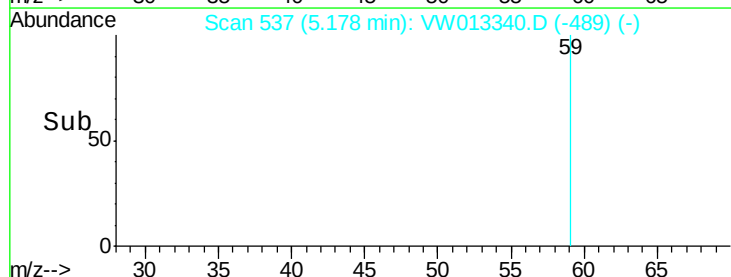
60

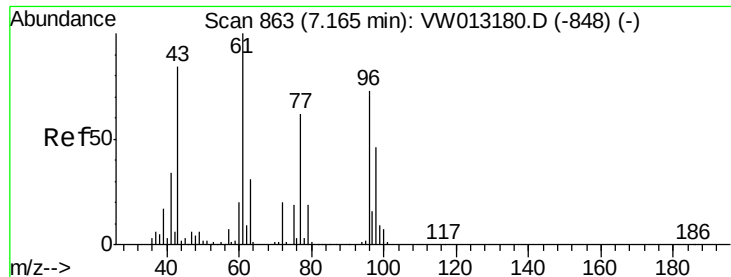
40

20

0

Time--> 5.16 5.17 5.18 5.19 5.20

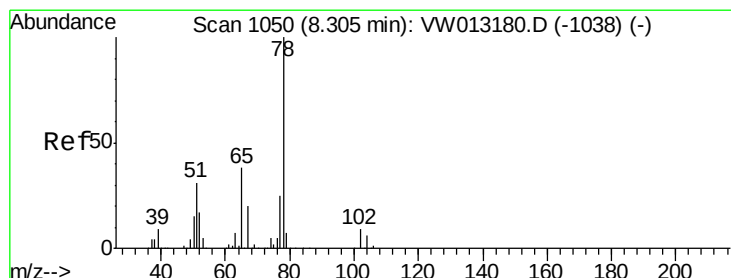
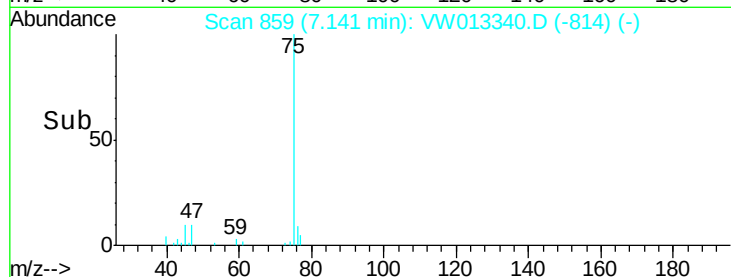
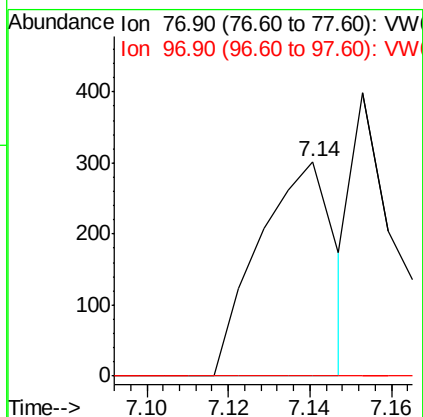
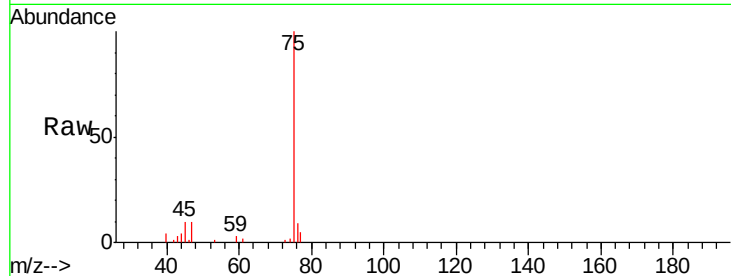




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW013340.D
 Acq: 30 Sep 2019 18:19

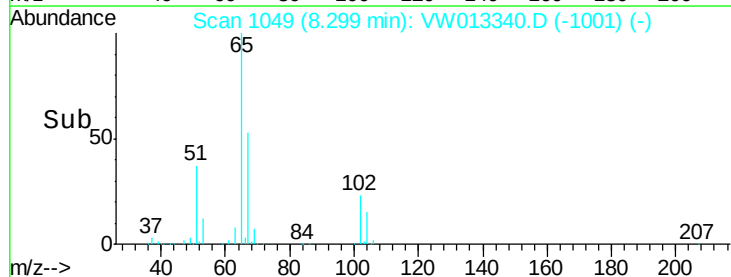
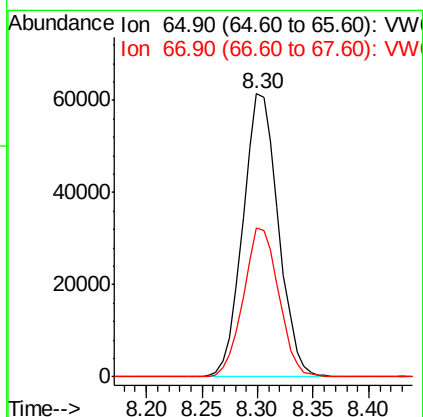
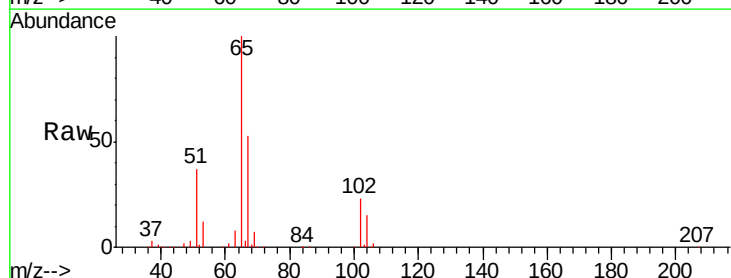
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1-COMP

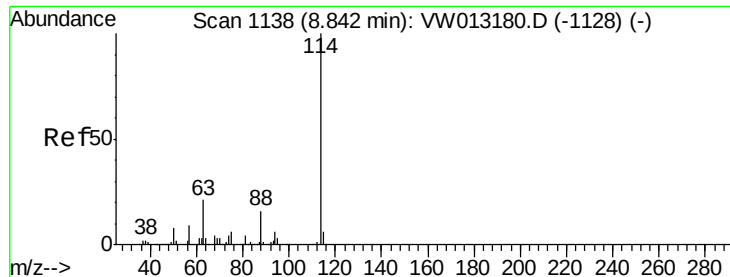
Tgt Ion: 77 Resp: 391
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.4#



#33
 1,2-Dichloroethane-d4
 Concen: 51.450 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013340.D
 Acq: 30 Sep 2019 18:19

Tgt Ion: 65 Resp: 136113
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013340.D

Acq: 30 Sep 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

TP-1-COMP

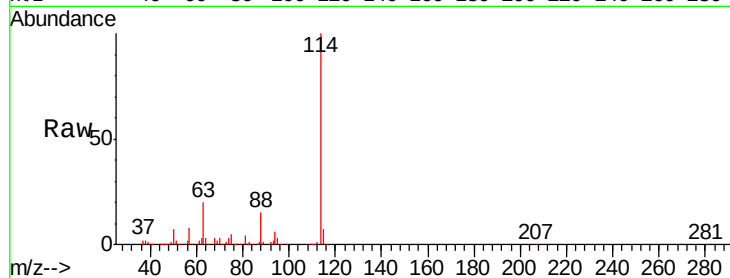
Tgt Ion:114 Resp: 488764

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

88 14.5 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

300000

200000

100000

0

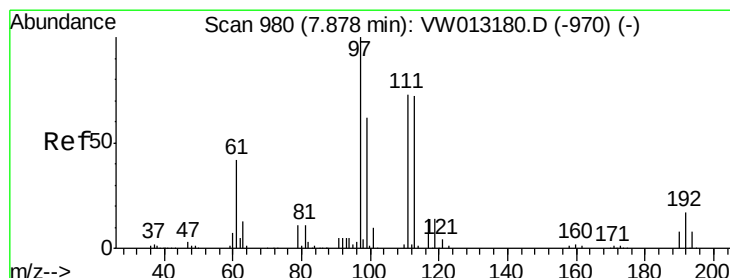
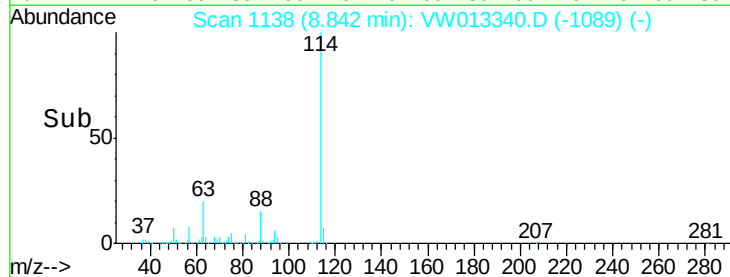
8.84

8.80

8.90

9.00

Time-->



#35

Dibromofluoromethane

Concen: 50.821 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013340.D

Acq: 30 Sep 2019 18:19

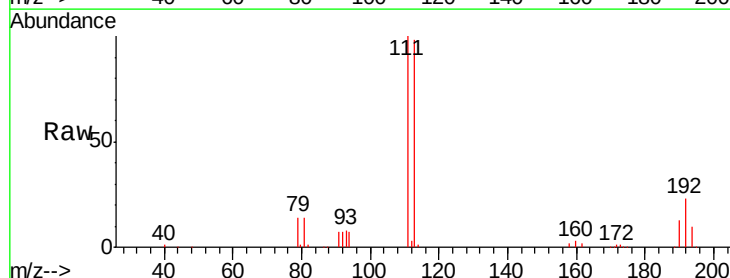
Tgt Ion:113 Resp: 136616

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

192 24.4 19.1 28.7



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

80000

60000

40000

20000

0

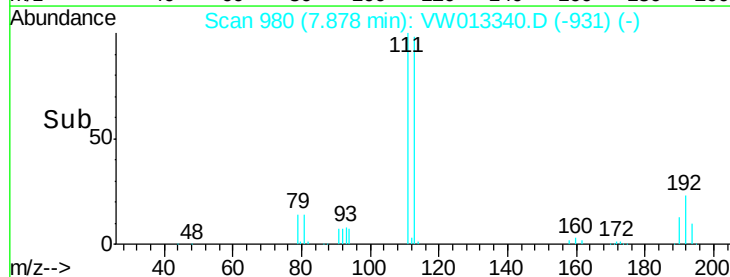
7.88

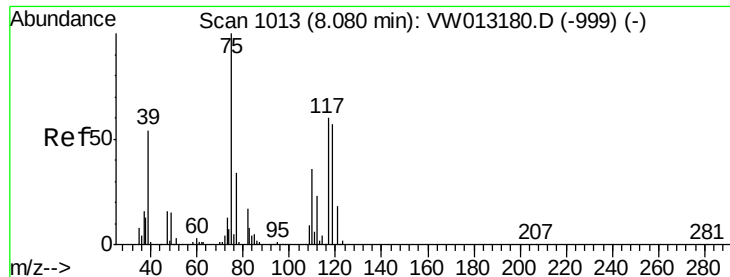
7.80

7.90

8.00

Time-->

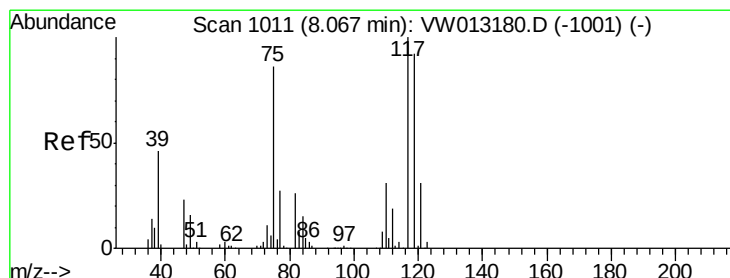
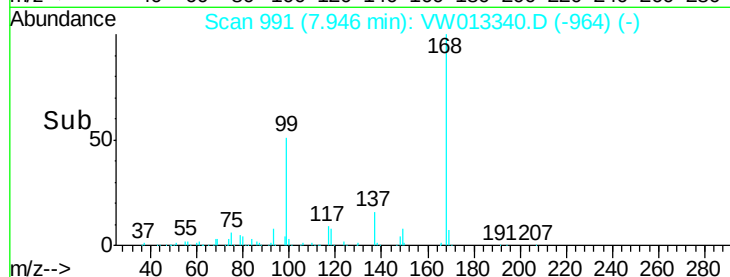
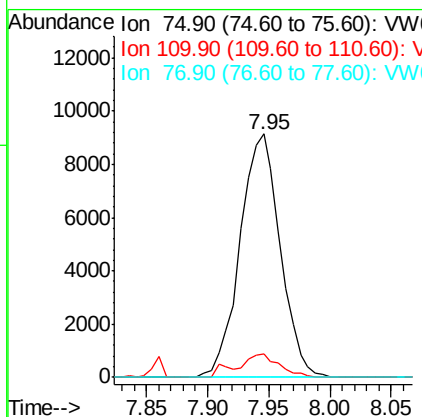
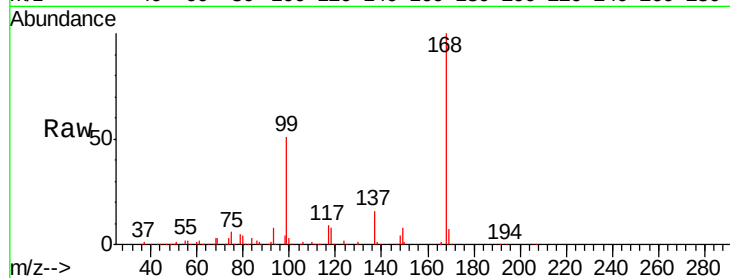




#36
 1,1-Dichloropropene
 Concen: 4.399 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013340.D
 Acq: 30 Sep 2019 18:19

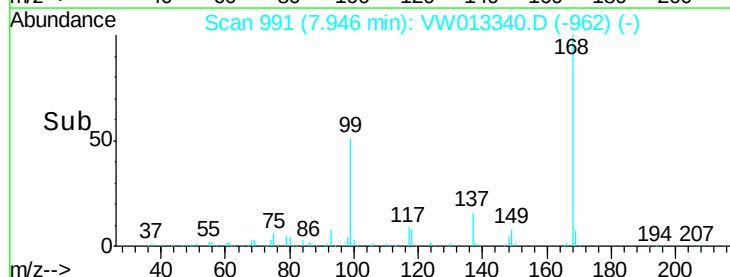
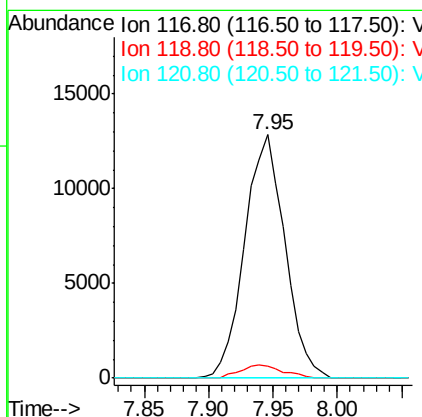
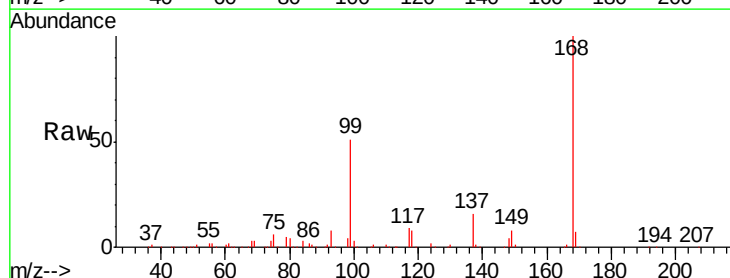
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1-COMP

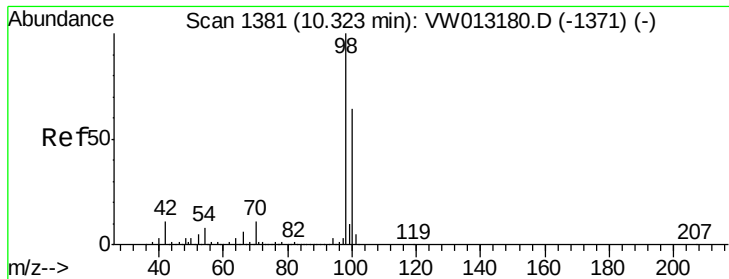
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.1	54.3#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.533 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013340.D
 Acq: 30 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	73.5	110.3#
121	0.0	25.0	37.6#

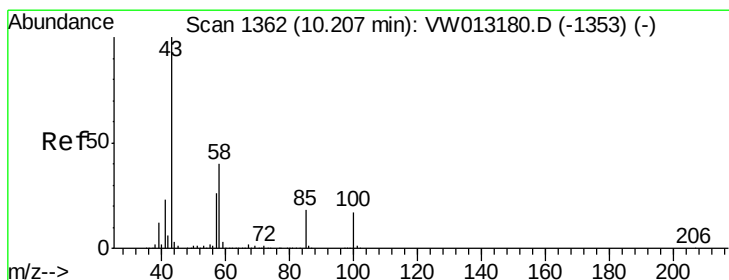
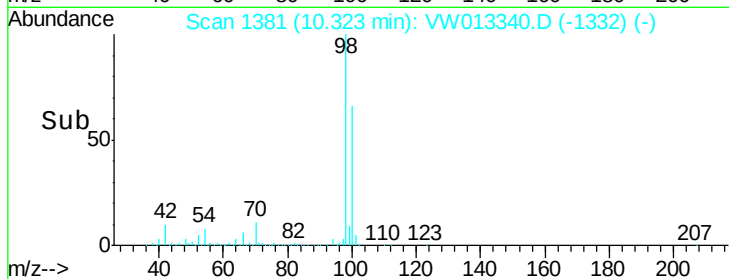
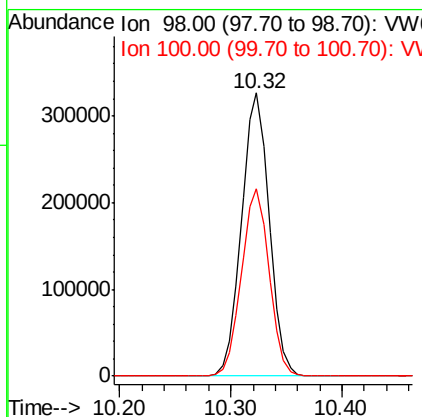
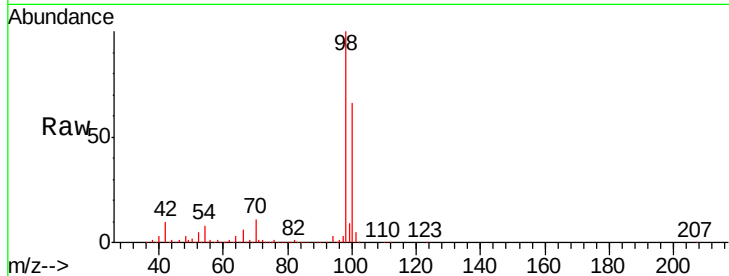




#50
Toluene-d8
Concen: 50.034 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013340.D
Acq: 30 Sep 2019 18:19

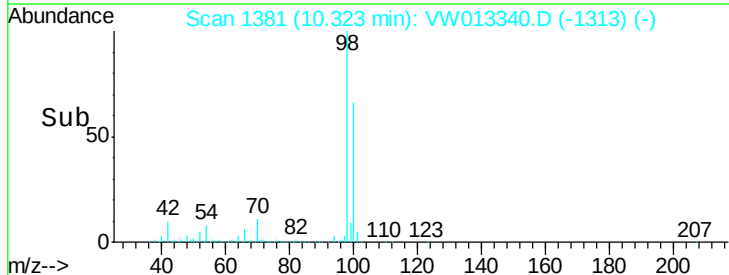
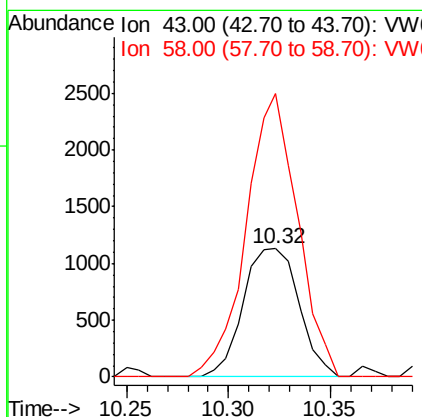
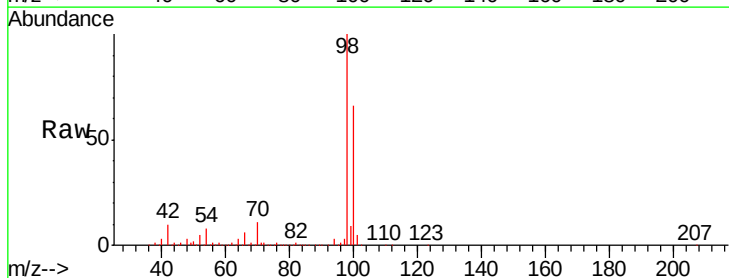
Instrument :
MSVOA_W
ClientSampleId :
TP-1-COMP

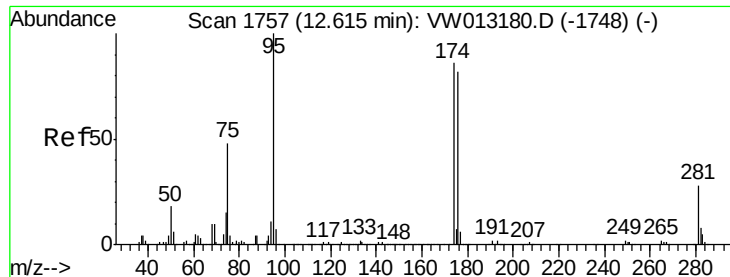
Tgt Ion: 98 Resp: 562905
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.113 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.12 min
Lab File: VW013340.D
Acq: 30 Sep 2019 18:19

Tgt Ion: 43 Resp: 2152
Ion Ratio Lower Upper
43 100
58 203.2 31.7 47.5#





#62

4-Bromofluorobenzene

Concen: 46.564 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013340.D

Acq: 30 Sep 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

TP-1-COMP

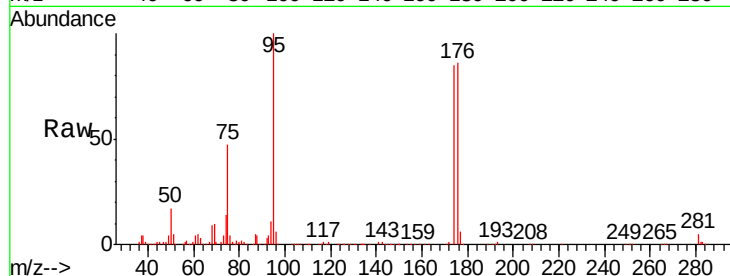
Tgt Ion: 95 Resp: 178948

Ion Ratio Lower Upper

95 100

174 88.4 0.0 178.4

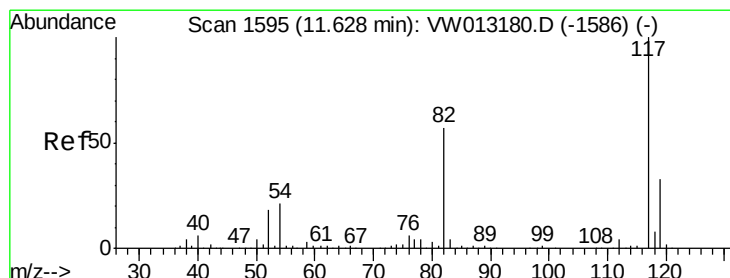
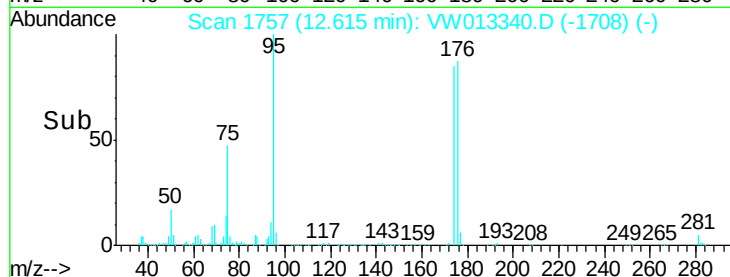
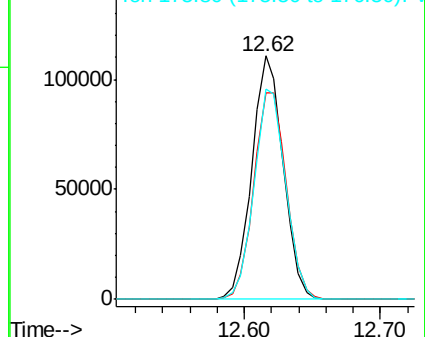
176 87.4 0.0 172.2



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# 1595

Delta R.T. -0.00 min

Lab File: VW013340.D

Acq: 30 Sep 2019 18:19

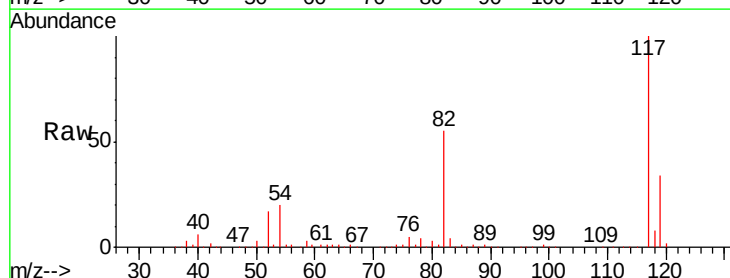
Tgt Ion: 117 Resp: 409188

Ion Ratio Lower Upper

117 100

82 55.0 45.9 68.9

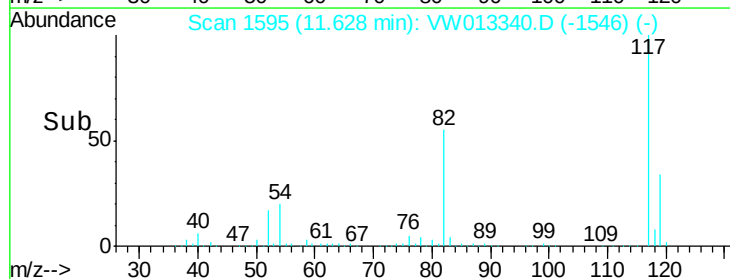
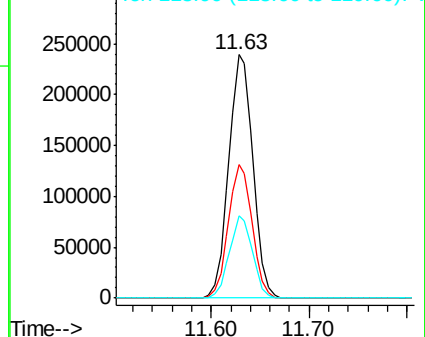
119 34.1 26.2 39.2

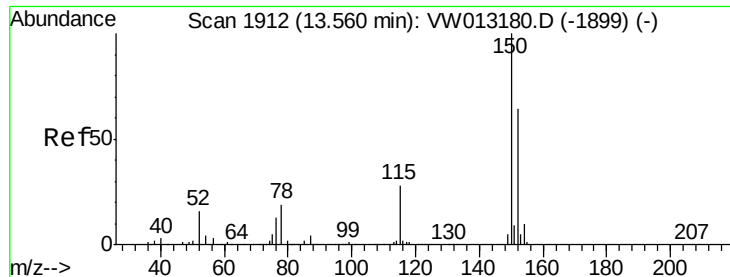


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



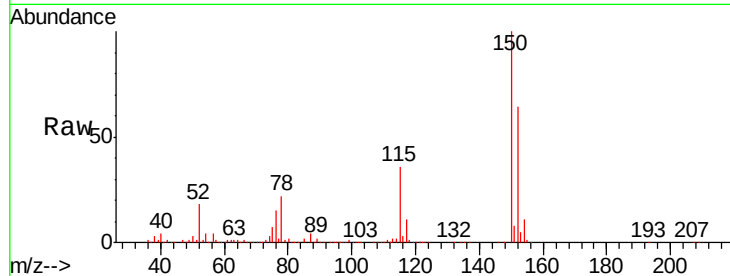


#72

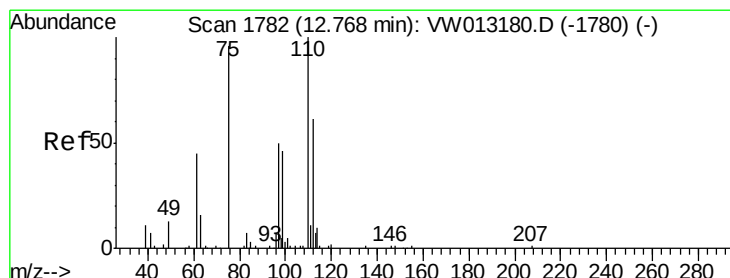
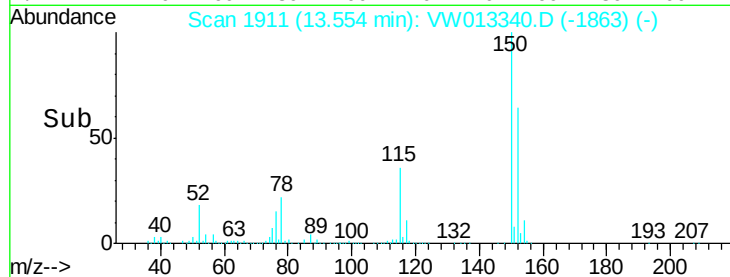
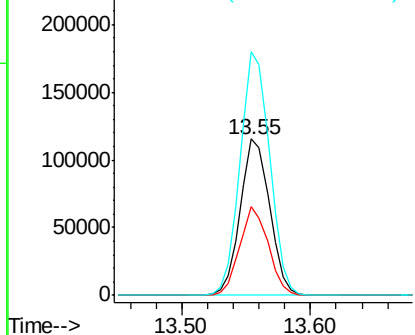
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013340.D
Acq: 30 Sep 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
TP-1-COMP

Tgt Ion:152 Resp: 182587
Ion Ratio Lower Upper
152 100
115 55.0 27.3 81.9
150 156.4 0.0 349.0



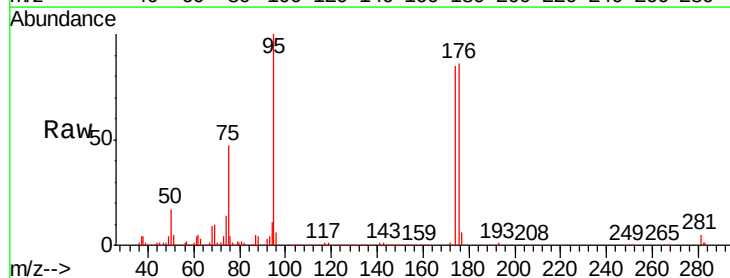
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



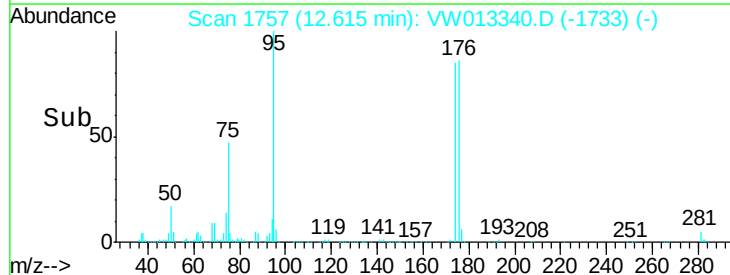
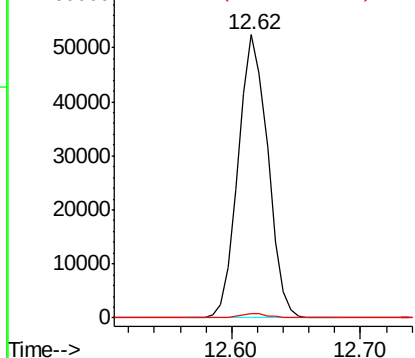
#76

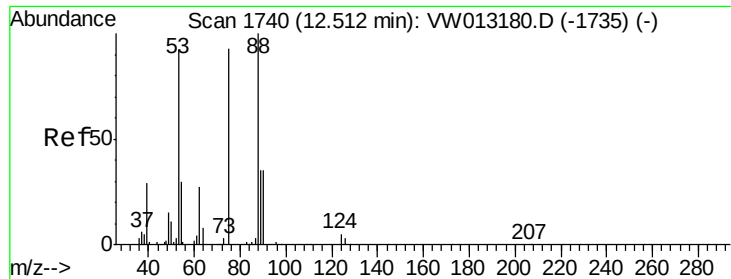
1,2,3-Trichloropropane
Concen: 51.796 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013340.D
Acq: 30 Sep 2019 18:19

Tgt Ion: 75 Resp: 83520
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



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: 116.225 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013340.D

Acq: 30 Sep 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

TP-1-COMP

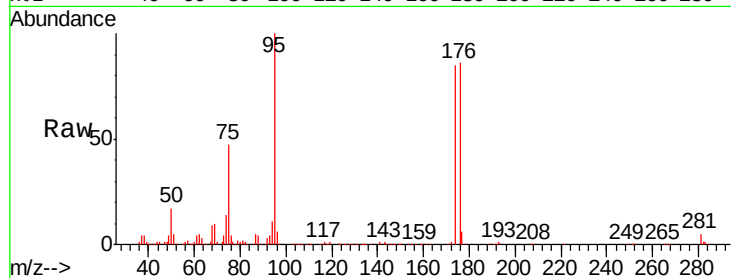
Tgt Ion: 75 Resp: 83520

Ion Ratio Lower Upper

75 100

53 0.1 76.6 114.8#

89 0.1 33.5 50.3#



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

