

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090719\
 Data File : VW012754.D
 Acq On : 08 Sep 2019 07:58
 Operator : SY/VA
 Sample : K4636-09
 Misc : 5.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-23-14.5-15.0

Quant Time: Sep 09 04:07:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	189805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	293468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	273755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113857	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	112501	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
35) Dibromofluoromethane	7.88	113	85367	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	10.32	98	395767	57.90	ug/l	0.00
Spiked Amount			Recovery	=	115.80%	
62) 4-Bromofluorobenzene	12.62	95	119878	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	

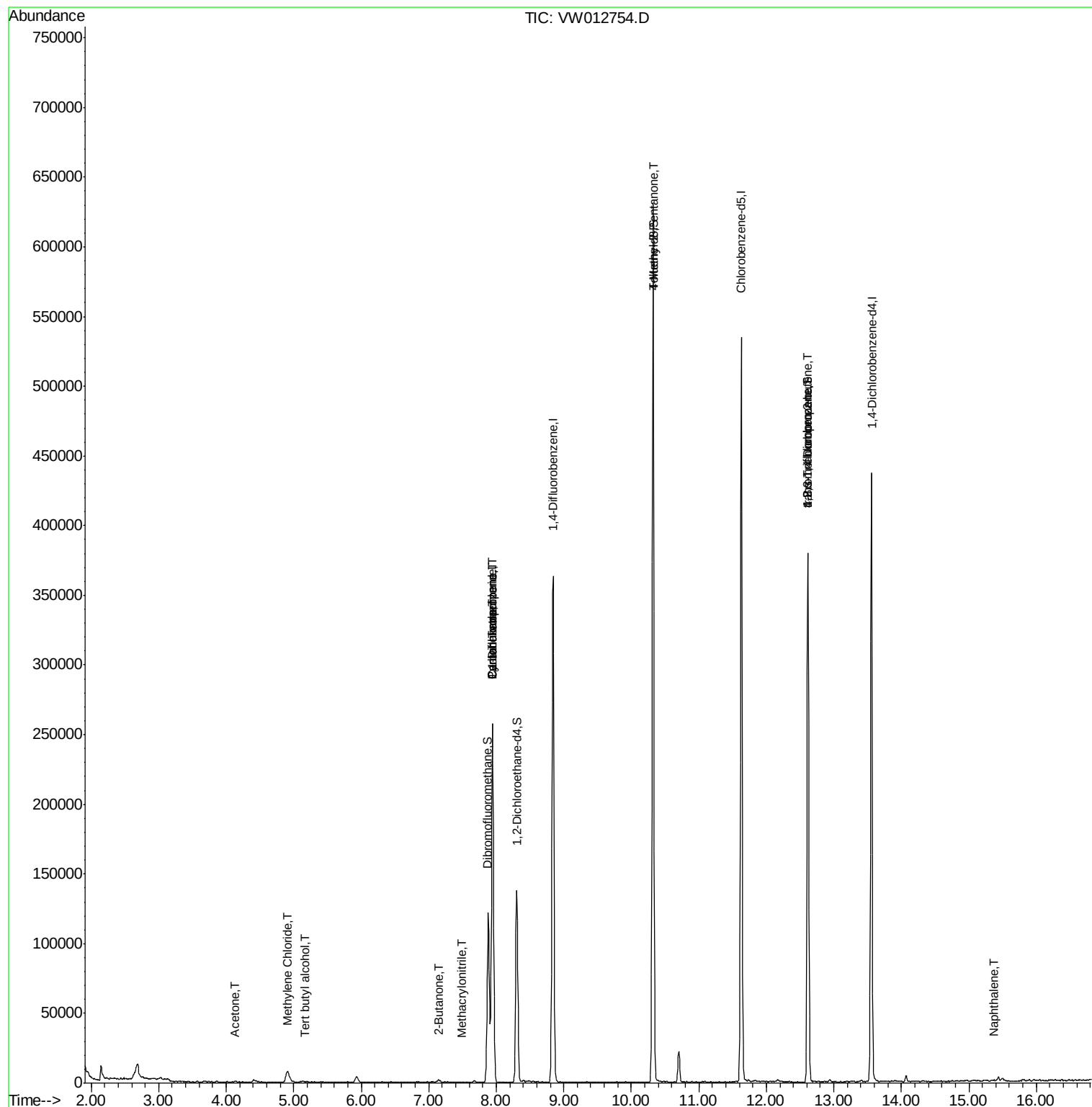
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	221	1.362	ug/l #	72
16) Acetone	4.14	43	848	1.467	ug/l #	47
20) Methylene Chloride	4.91	84	6359	3.516	ug/l	89
25) 2-Butanone	7.14	43	45	19.729	ug/l #	53
31) Cyclohexane	7.95	56	4655	1.493	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	14950	5.733	ug/l #	53
38) Carbon Tetrachloride	7.94	117	18840	7.330	ug/l #	17
41) Methacrylonitrile	7.49	41	30	3.863	ug/l #	1
51) 4-Methyl-2-Pentanone	10.32	43	2434	1.473	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	67045	57.587	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67045	121.800	ug/l #	6
95) Naphthalene	15.36	128	188	4.475	ug/l #	69

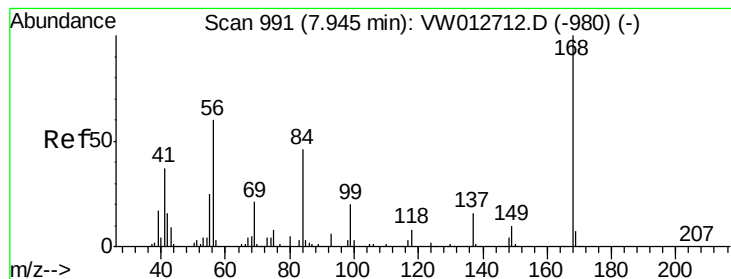
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012754.D

Acq: 08 Sep 2019 07:58

Instrument :

MSVOA_W

ClientSampleId :

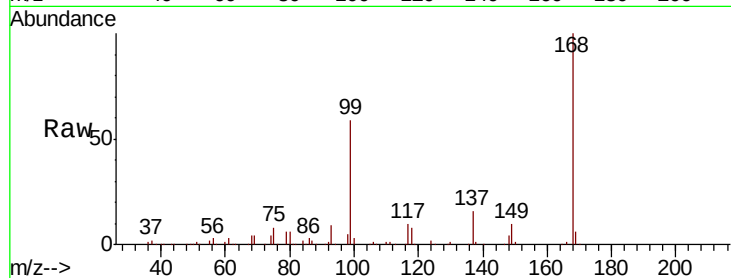
SB-23-14.5-15.0

Tgt Ion:168 Resp: 189805

Ion Ratio Lower Upper

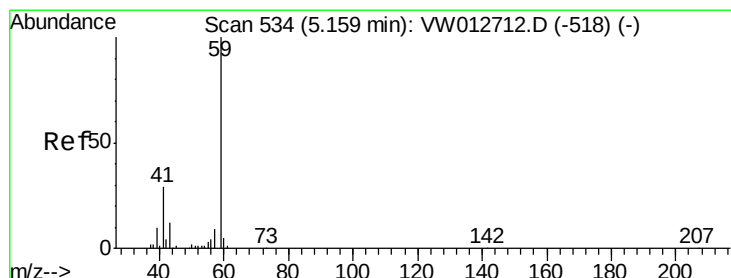
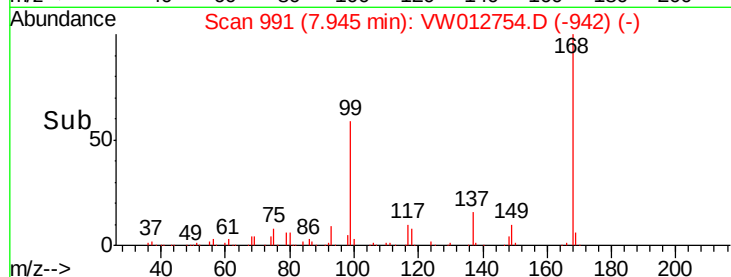
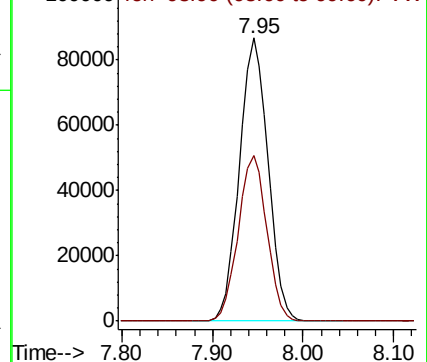
168 100

99 58.5 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.362 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW012754.D

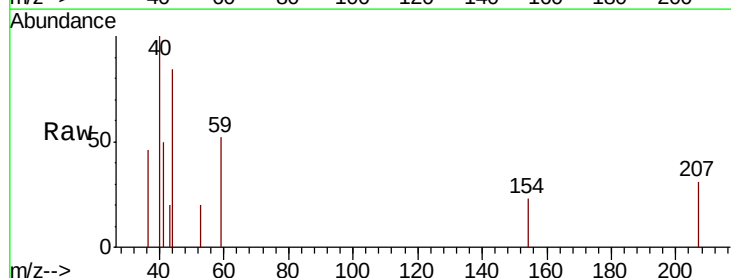
Acq: 08 Sep 2019 07:58

Tgt Ion: 59 Resp: 221

Ion Ratio Lower Upper

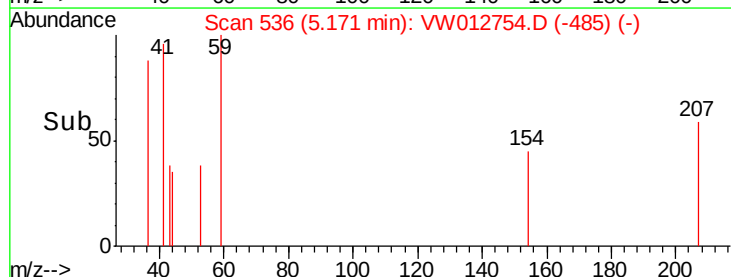
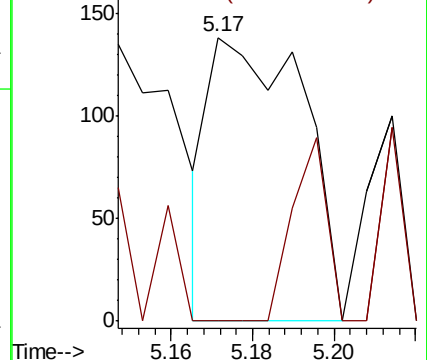
59 100

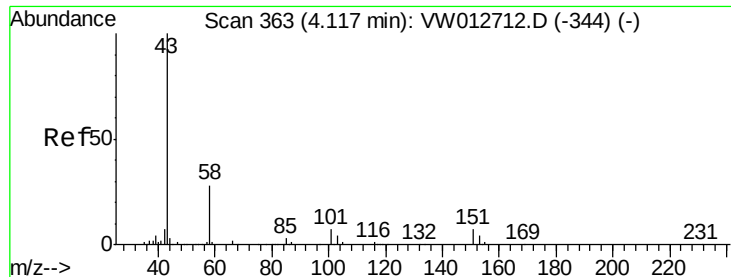
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 1.467 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012754.D

Acq: 08 Sep 2019 07:58

Instrument :

MSVOA_W

ClientSampleId :

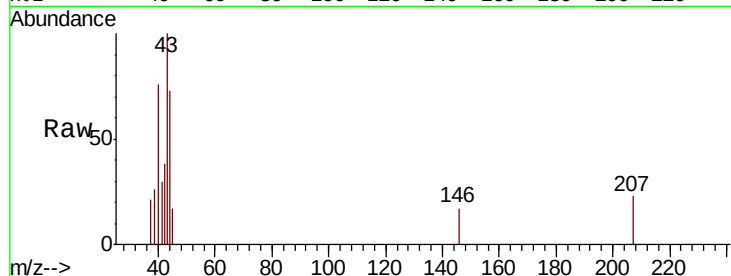
SB-23-14.5-15.0

Tgt Ion: 43 Resp: 848

Ion Ratio Lower Upper

43 100

58 0.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

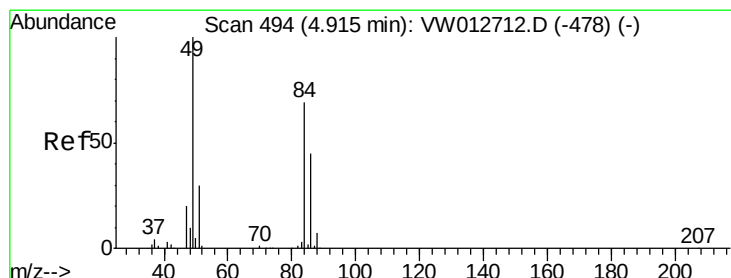
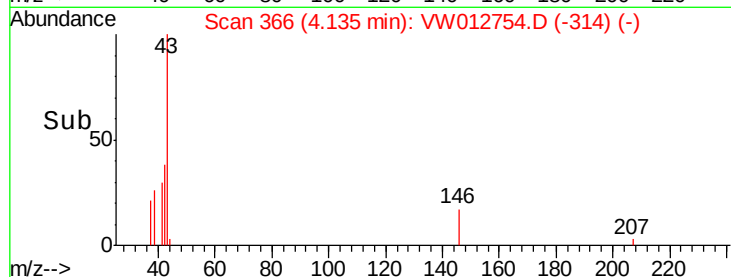
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 3.516 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012754.D

Acq: 08 Sep 2019 07:58

Tgt Ion: 84 Resp: 6359

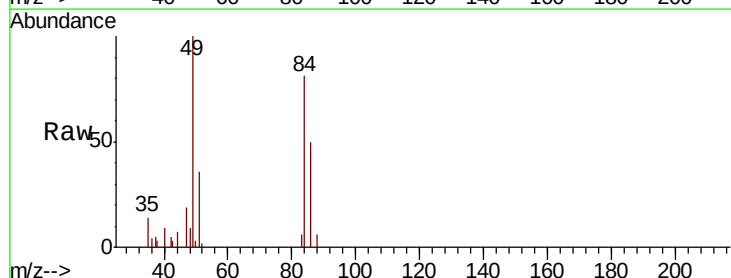
Ion Ratio Lower Upper

84 100

49 123.7 115.4 173.0

51 44.8 34.9 52.3

86 61.3 52.2 78.4



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

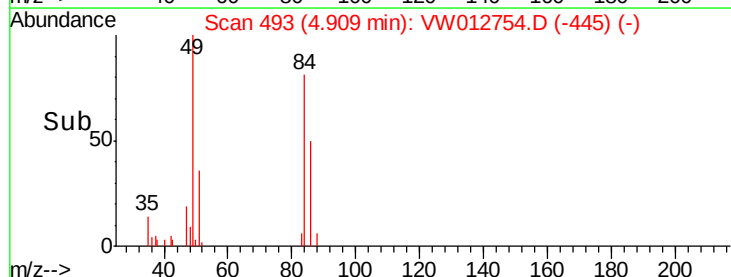
3000

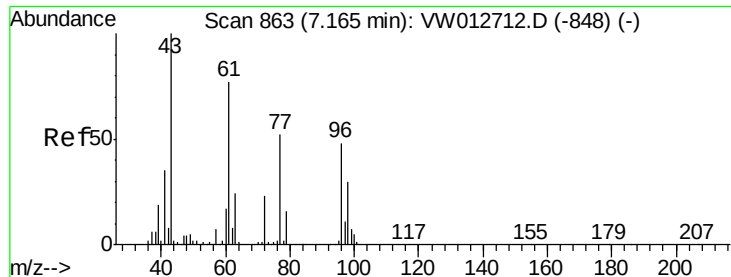
2000

1000

0

Time-->





#25

2-Butanone

Concen: 19.729 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW012754.D

Acq: 08 Sep 2019 07:58

Instrument :

MSVOA_W

ClientSampleId :

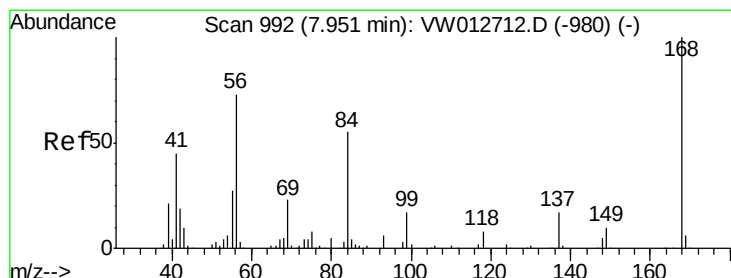
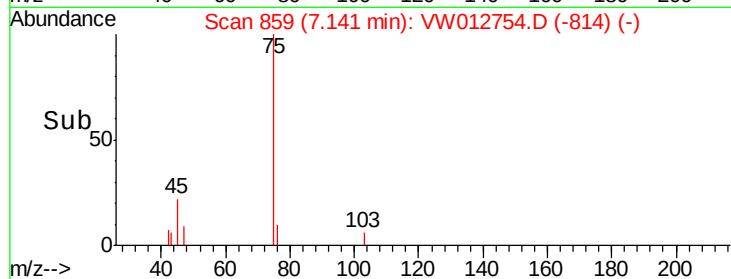
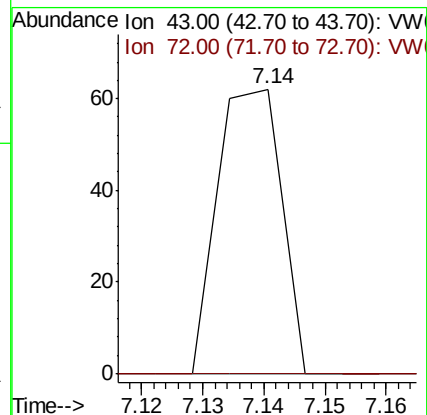
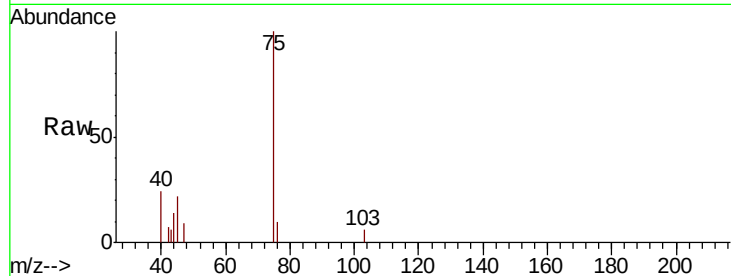
SB-23-14.5-15.0

Tgt Ion: 43 Resp: 45

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#31

Cyclohexane

Concen: 1.493 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012754.D

Acq: 08 Sep 2019 07:58

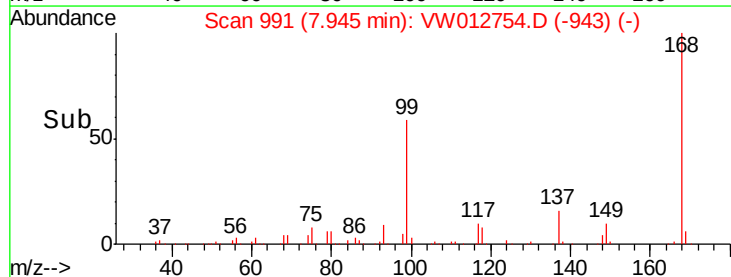
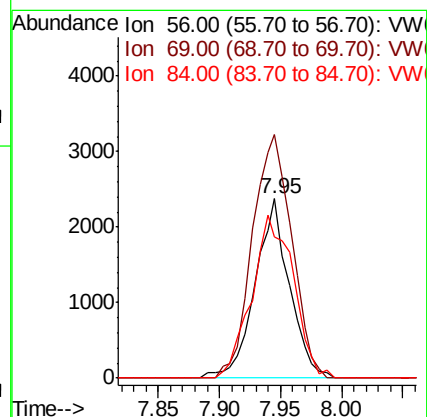
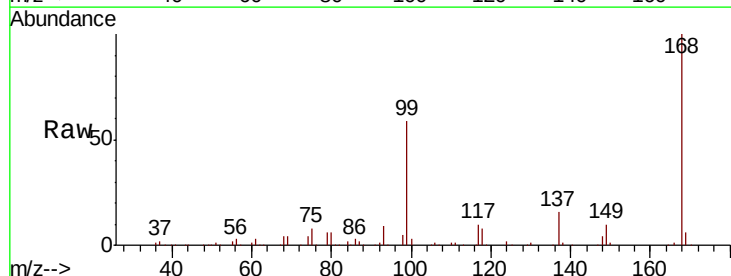
Tgt Ion: 56 Resp: 4655

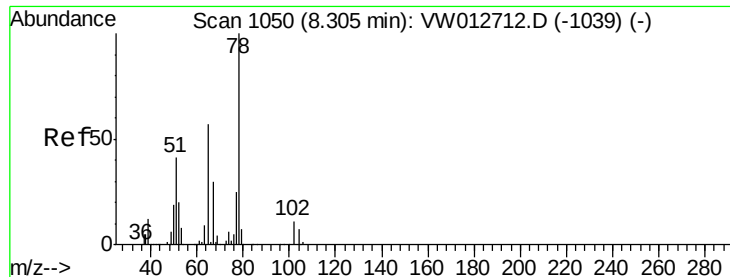
Ion Ratio Lower Upper

56 100

69 135.8 25.7 38.5#

84 78.5 60.4 90.6





#33

1,2-Dichloroethane-d4

Concen: 53.048 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

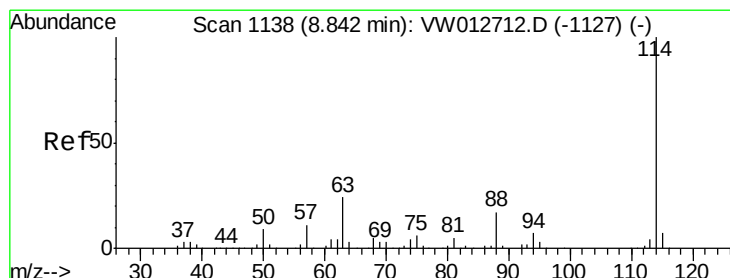
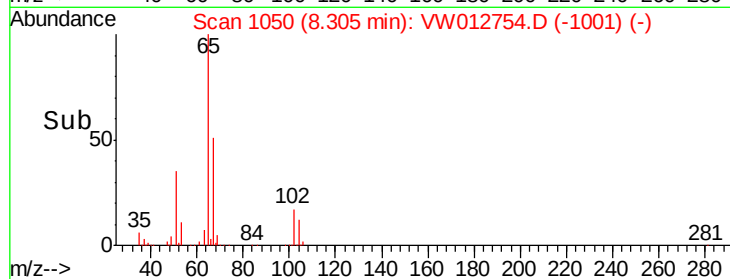
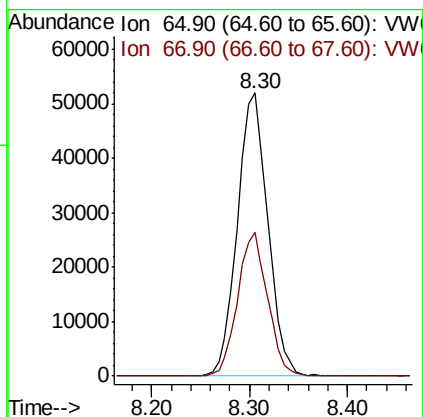
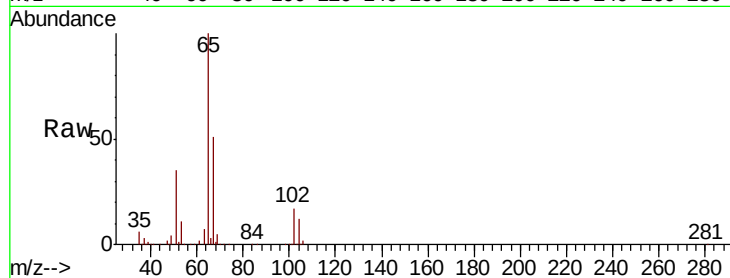
Lab File: VW012754.D

Acq: 08 Sep 2019 07:58

Instrument :
MSVOA_W
ClientSampleId :
SB-23-14.5-15.0

Tgt Ion: 65 Resp: 112501

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

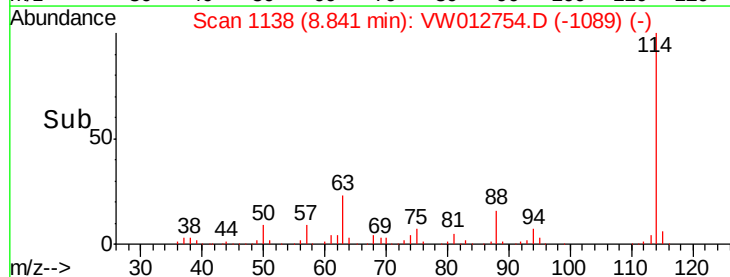
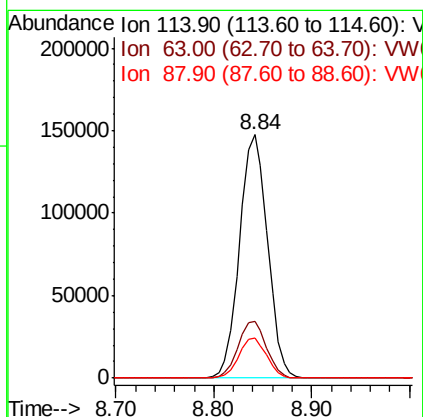
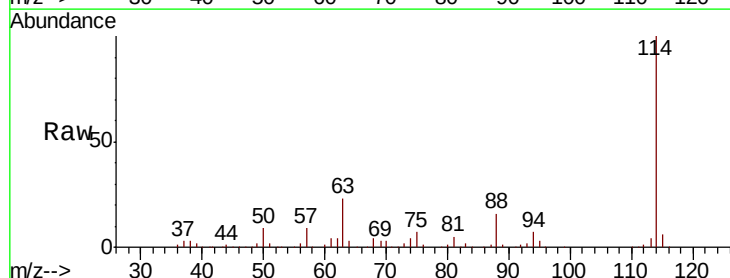
Delta R.T. -0.00 min

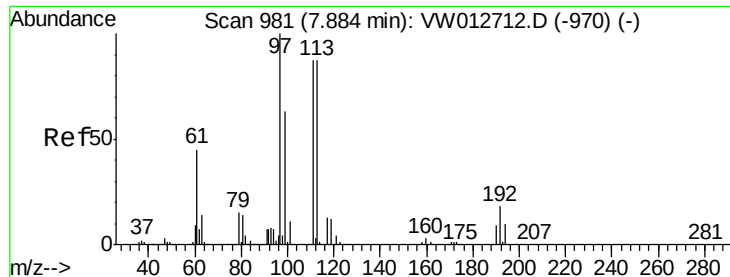
Lab File: VW012754.D

Acq: 08 Sep 2019 07:58

Tgt Ion: 114 Resp: 293468

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	47.2
88	16.5	0.0	34.0





#35

Dibromofluoromethane

Concen: 48.928 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012754.D

Acq: 08 Sep 2019 07:58

Instrument :

MSVOA_W

ClientSampleId :

SB-23-14.5-15.0

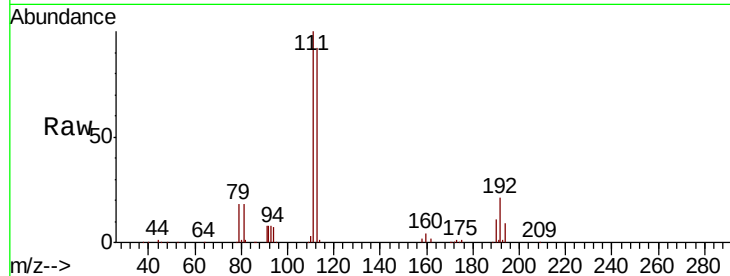
Tgt Ion: 113 Resp: 85367

Ion Ratio Lower Upper

113 100

111 104.1 80.2 120.4

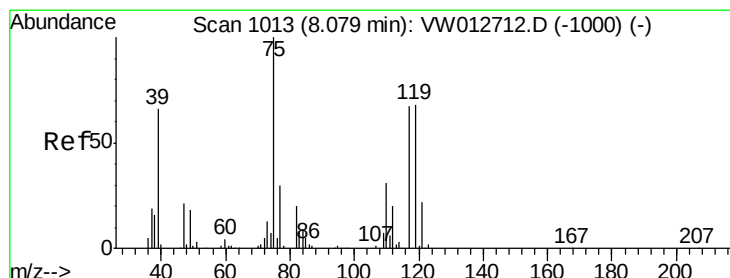
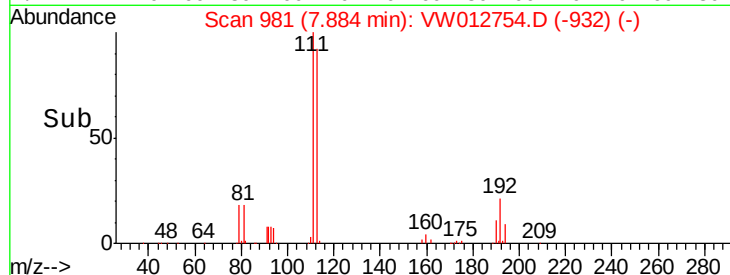
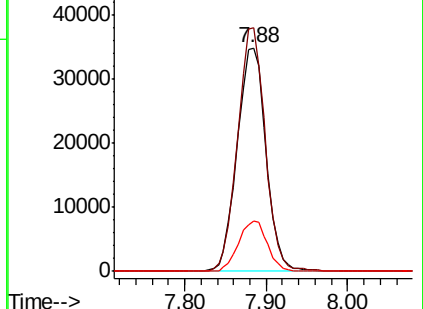
192 22.5 17.3 25.9



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: 5.733 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012754.D

Acq: 08 Sep 2019 07:58

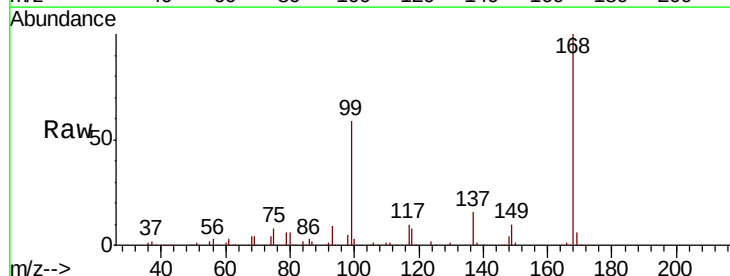
Tgt Ion: 75 Resp: 14950

Ion Ratio Lower Upper

75 100

110 10.5 15.9 47.7#

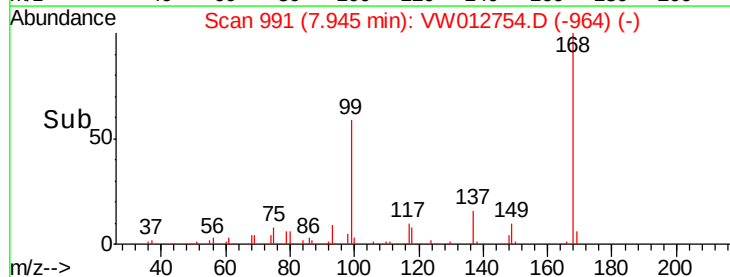
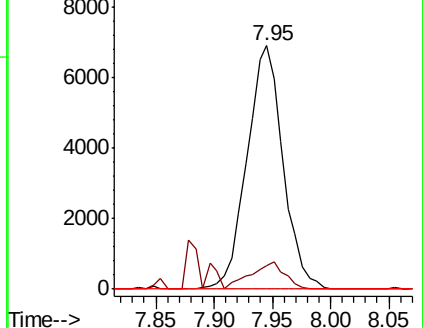
77 0.0 25.0 37.4#

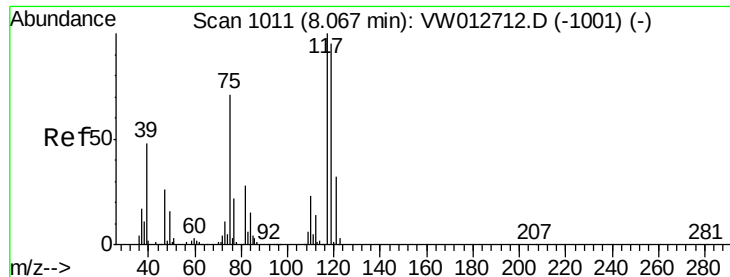


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.330 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012754.D

Acq: 08 Sep 2019 07:58

Instrument :

MSVOA_W

ClientSampleId :

SB-23-14.5-15.0

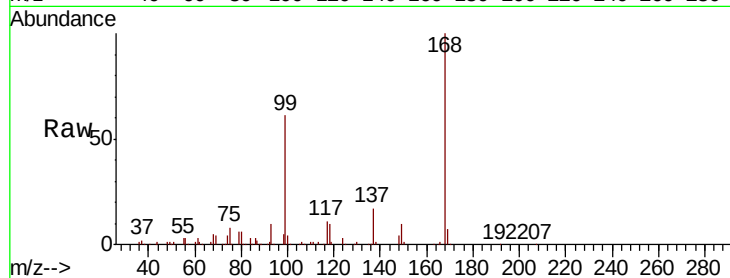
Tgt Ion: 117 Resp: 18840

Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

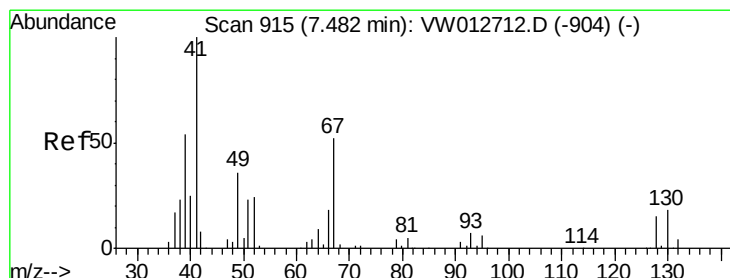
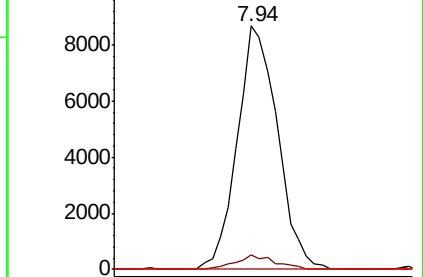
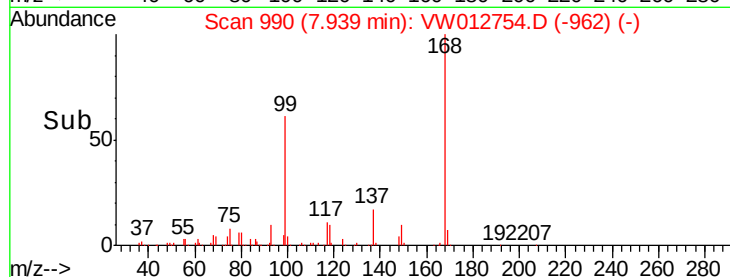
121 0.0 25.4 38.2#



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



#41

Methacrylonitrile

Concen: 3.863 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW012754.D

Acq: 08 Sep 2019 07:58

Tgt Ion: 41 Resp: 30

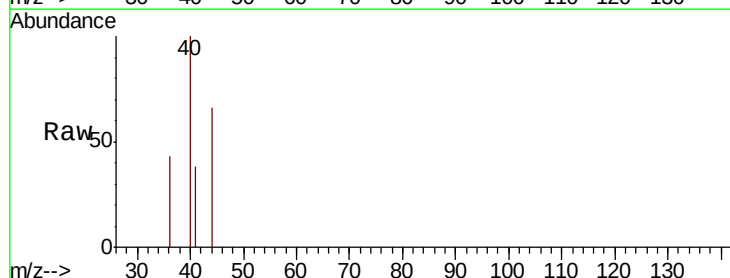
Ion Ratio Lower Upper

41 100

39 260.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

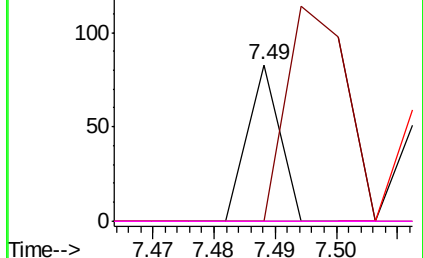
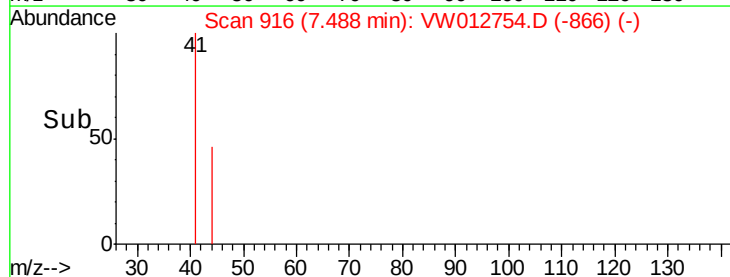


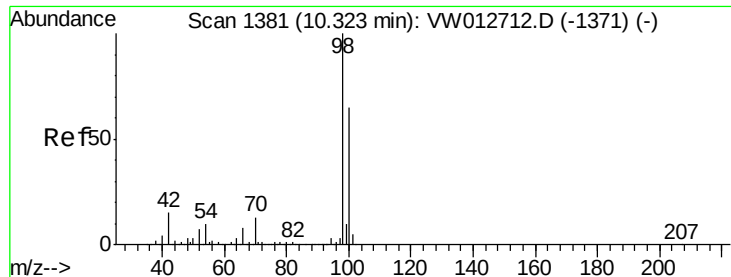
Abundance Ion 41.00 (40.70 to 41.70): VV

Ion 39.00 (38.70 to 39.70): VV

Ion 67.00 (66.70 to 67.70): VV

Ion 52.00 (51.70 to 52.70): VV

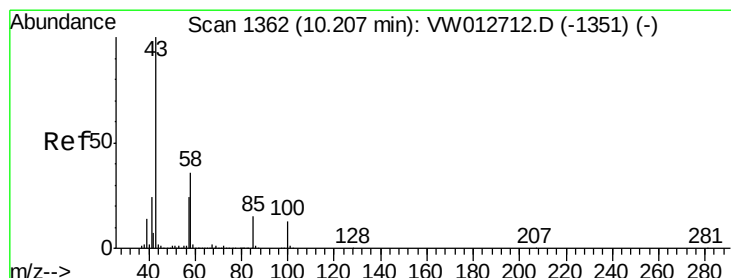
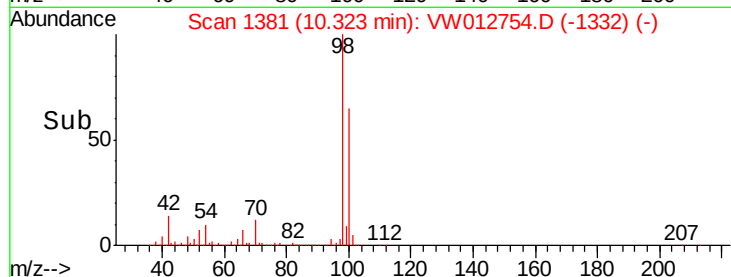
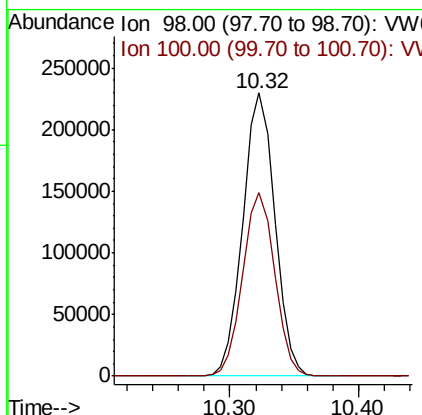
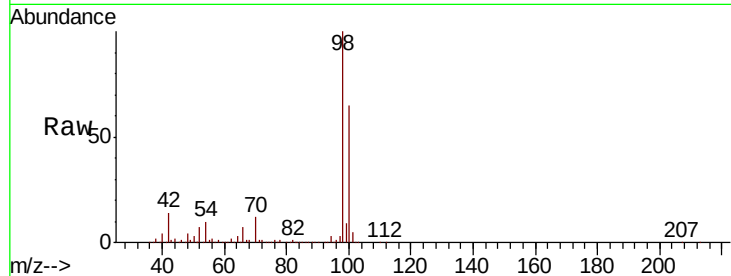




#50
Toluene-d8
Concen: 57.899 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012754.D
Acq: 08 Sep 2019 07:58

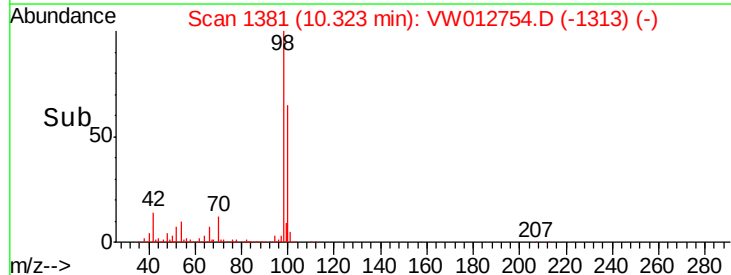
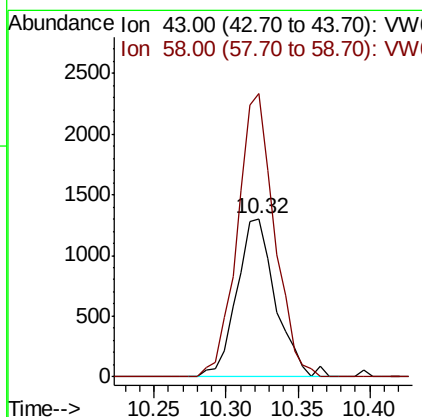
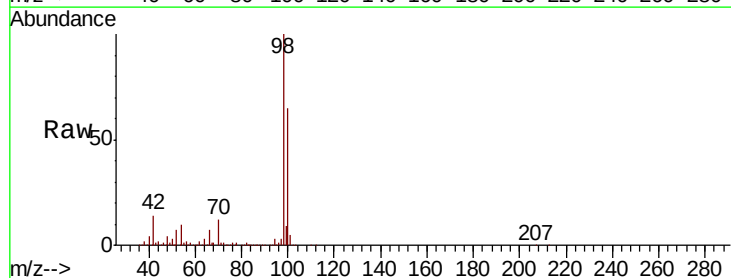
Instrument :
MSVOA_W
ClientSampleId :
SB-23-14.5-15.0

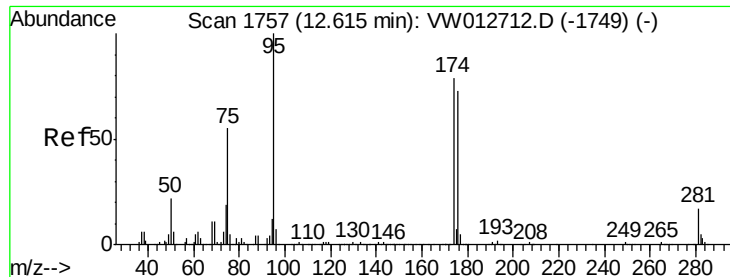
Tgt Ion: 98 Resp: 395767
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.473 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.12 min
Lab File: VW012754.D
Acq: 08 Sep 2019 07:58

Tgt Ion: 43 Resp: 2434
Ion Ratio Lower Upper
43 100
58 170.7 28.4 42.6#





#62

4-Bromofluorobenzene

Concen: 48.309 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012754.D

Acq: 08 Sep 2019 07:58

Instrument :

MSVOA_W

ClientSampleId :

SB-23-14.5-15.0

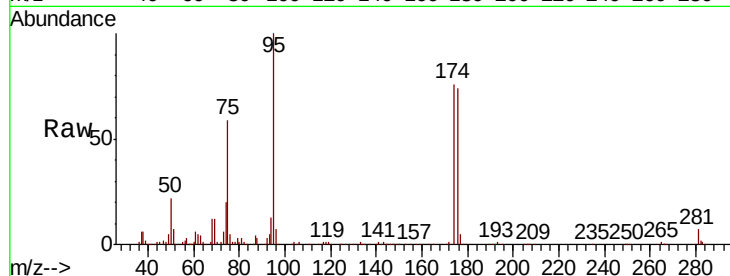
Tgt Ion: 95 Resp: 119878

Ion Ratio Lower Upper

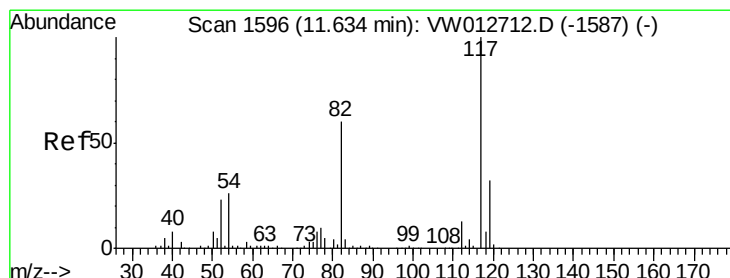
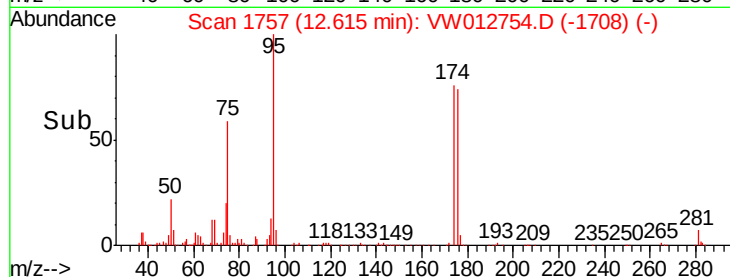
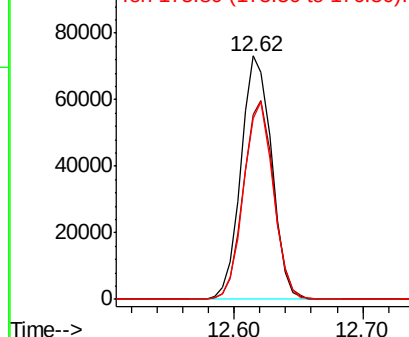
95 100

174 80.6 0.0 161.0

176 78.6 0.0 156.4



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# 1595

Delta R.T. -0.01 min

Lab File: VW012754.D

Acq: 08 Sep 2019 07:58

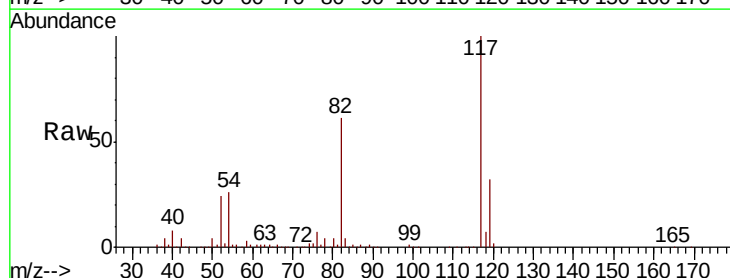
Tgt Ion: 117 Resp: 273755

Ion Ratio Lower Upper

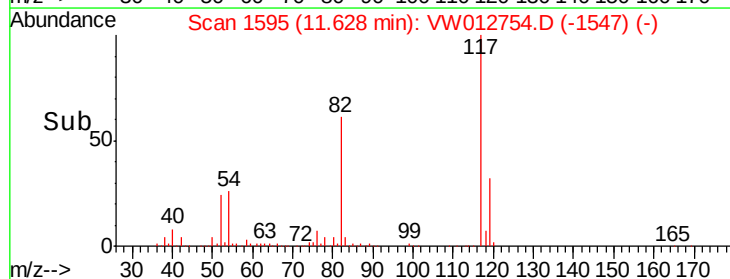
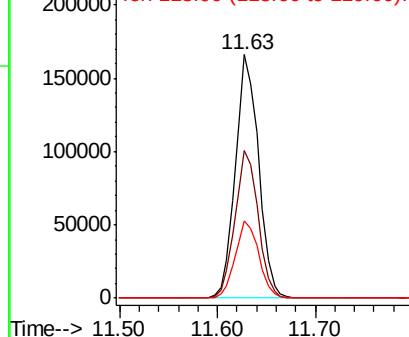
117 100

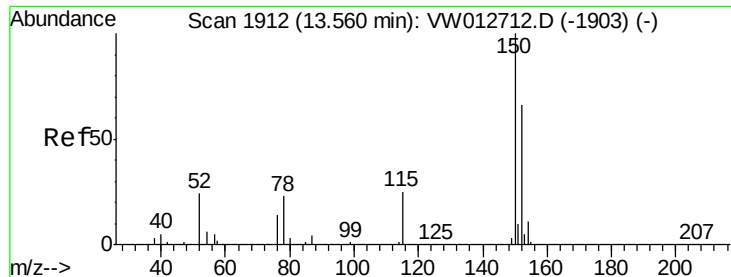
82 60.6 48.2 72.4

119 31.9 25.8 38.6



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: VW012754.D

Acq: 08 Sep 2019 07:58

Instrument :

MSVOA_W

ClientSampleId :

SB-23-14.5-15.0

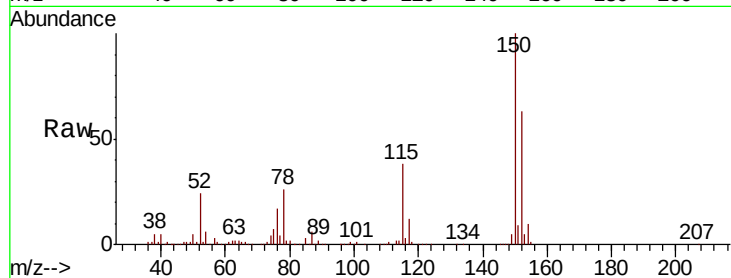
Tgt Ion:152 Resp: 113857

Ion Ratio Lower Upper

152 100

115 58.9 30.0 90.1

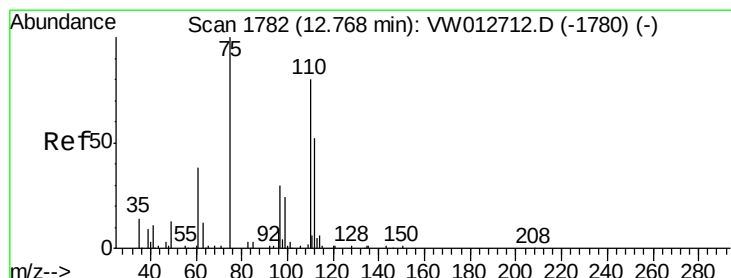
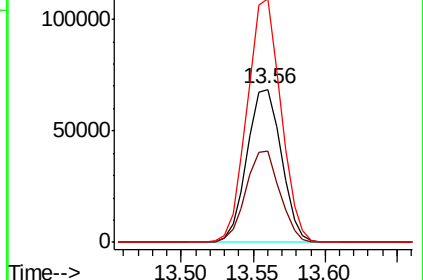
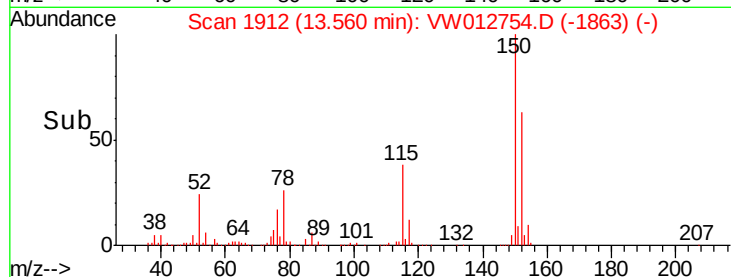
150 155.5 0.0 349.0



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: 57.587 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012754.D

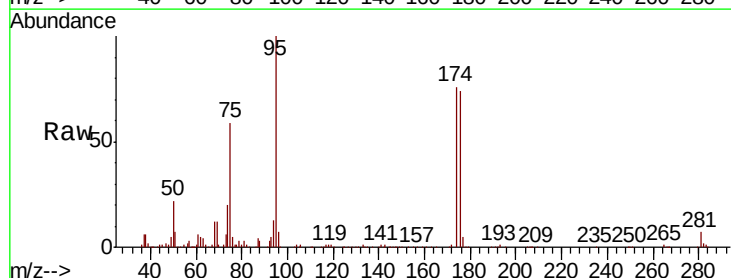
Acq: 08 Sep 2019 07:58

Tgt Ion: 75 Resp: 67045

Ion Ratio Lower Upper

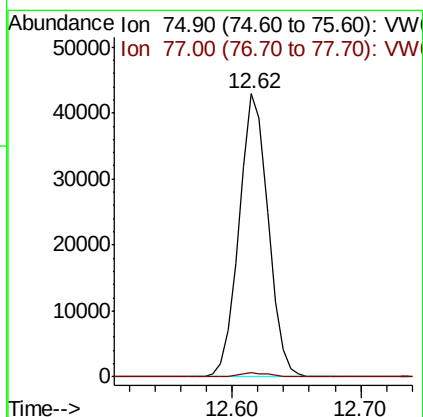
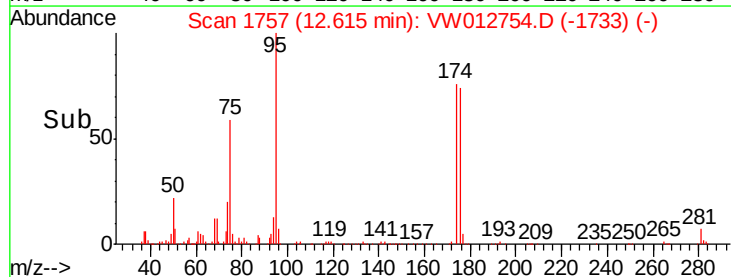
75 100

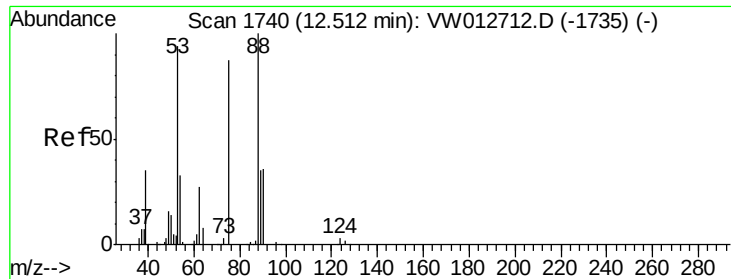
77 1.4 0.0 0.0#



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: 121.800 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012754.D

Acq: 08 Sep 2019 07:58

Instrument :

MSVOA_W

ClientSampleId :

SB-23-14.5-15.0

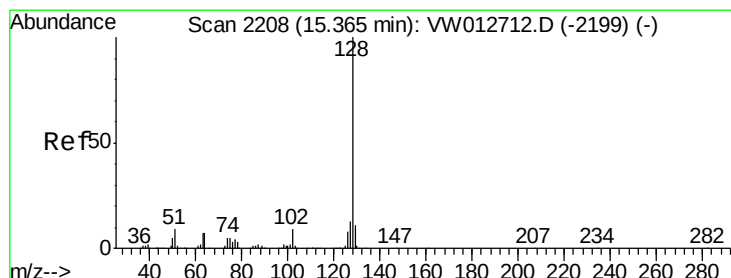
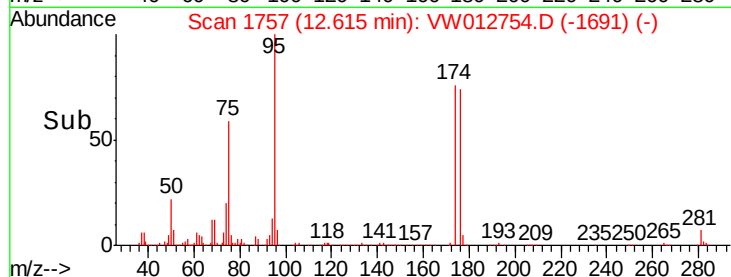
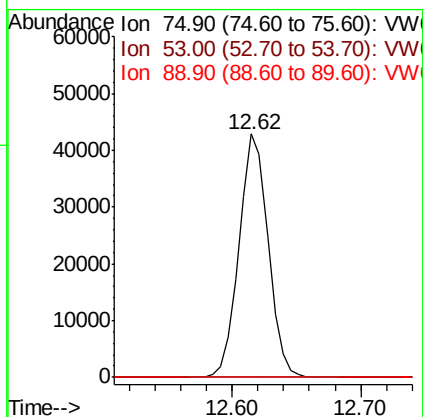
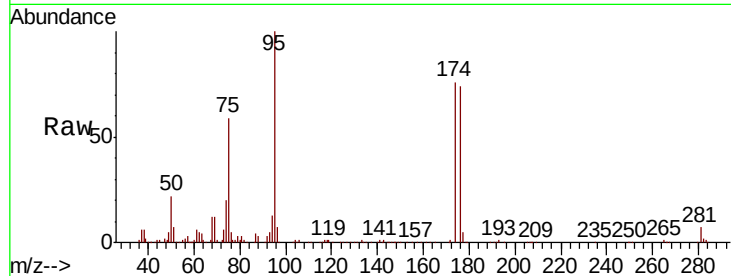
Tgt Ion: 75 Resp: 67045

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.1 35.5 53.3#



#95

Naphthalene

Concen: 4.475 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012754.D

Acq: 08 Sep 2019 07:58

Tgt Ion: 128 Resp: 188

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

