

Data File : VW012858.D
Acq On : 10 Sep 2019 07:57
Operator : SY/VA
Sample : K4679-05
Misc : 4.99G/5ML/MSVOA_W/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WS-SB03-6.0-6.5

Quant Time: Sep 10 08:22:25 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	257205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	385891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	119567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	130677	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	
35) Dibromofluoromethane	7.88	113	109068	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	10.32	98	456639	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.62	95	137869	42.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.50%	

Target Compounds

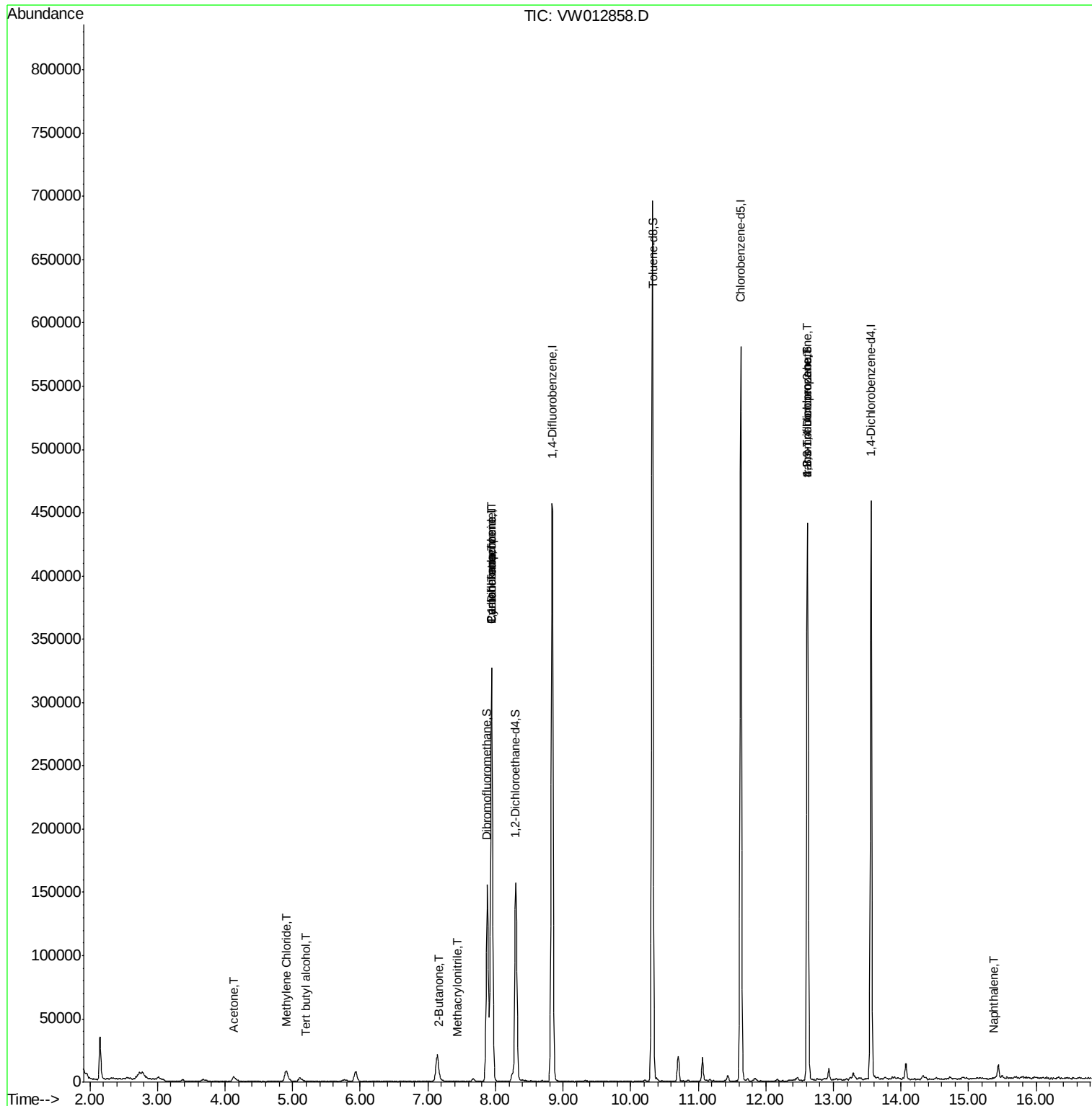
						Qvalue
11) Tert butyl alcohol	5.19	59	254	1.155	ug/l #	72
16) Acetone	4.14	43	8020	10.237	ug/l #	89
20) Methylene Chloride	4.91	84	6241	2.546	ug/l	90
25) 2-Butanone	7.17	43	263	19.890	ug/l	91
31) Cyclohexane	7.95	56	5260	1.245	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	19476	5.680	ug/l #	50
38) Carbon Tetrachloride	7.95	117	24290	7.187	ug/l #	16
41) Methacrylonitrile	7.44	41	46	3.867	ug/l #	13
76) 1,2,3-Trichloropropane	12.62	75	71650	58.603	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71650	123.950	ug/l #	6
95) Naphthalene	15.37	128	252	4.485	ug/l #	81

(#) = 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: VW012858.D

Acq: 10 Sep 2019 07:57

Instrument :

MSVOA_W

ClientSampled :

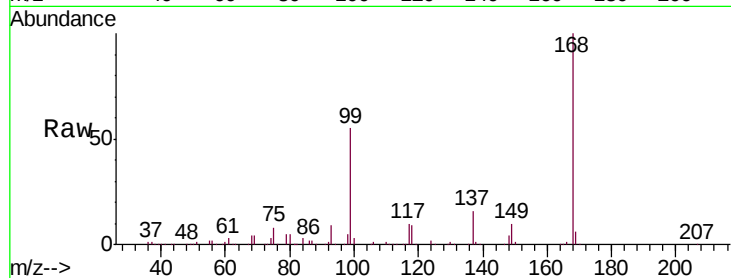
WS-SB03-6.0-6.5

Tgt Ion:168 Resp: 257205

Ion Ratio Lower Upper

168 100

99 54.6 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

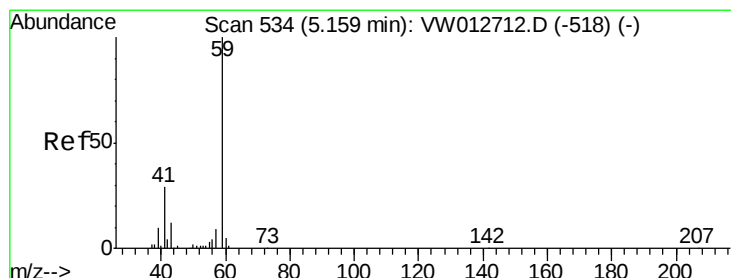
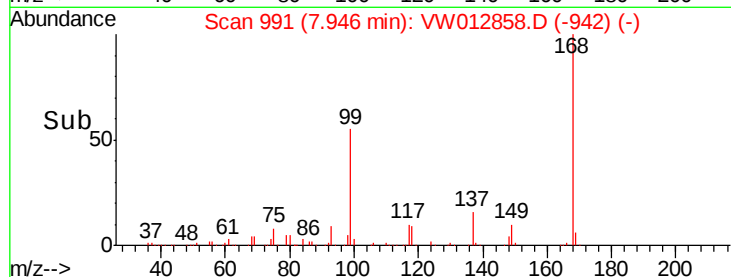
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 1.155 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.03 min

Lab File: VW012858.D

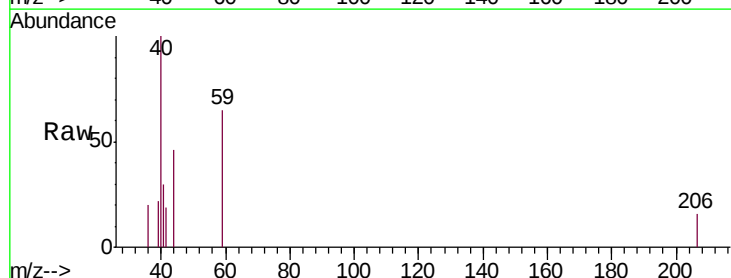
Acq: 10 Sep 2019 07:57

Tgt Ion: 59 Resp: 254

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

5.19

250

200

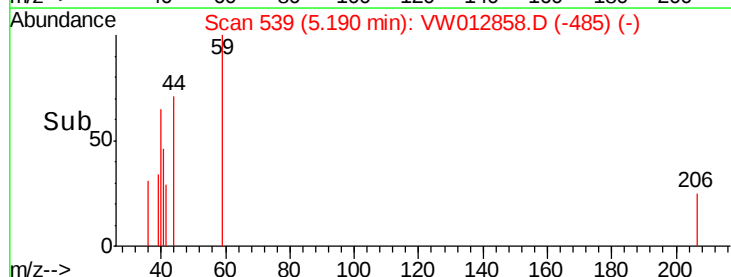
150

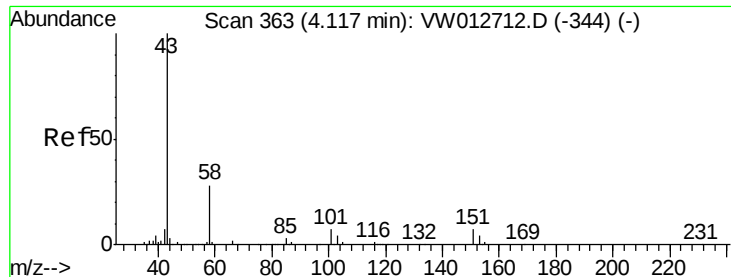
100

50

0

Time--> 5.16 5.18 5.20 5.22 5.24





#16

Acetone

Concen: 10.237 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012858.D

Acq: 10 Sep 2019 07:57

Instrument :

MSVOA_W

ClientSampleId :

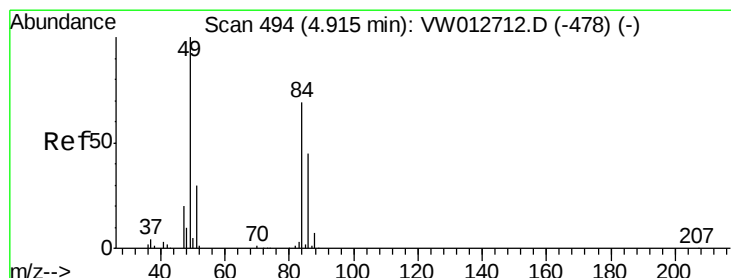
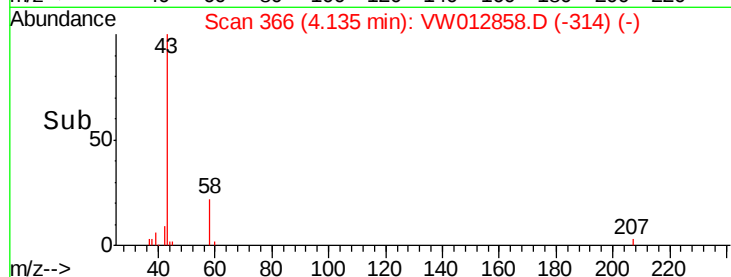
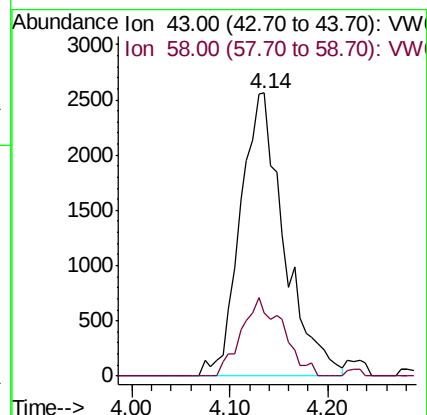
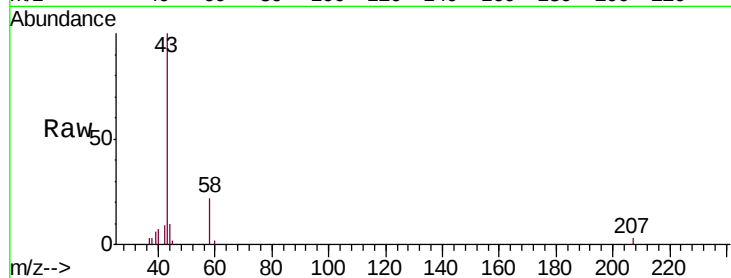
WS-SB03-6.0-6.5

Tgt Ion: 43 Resp: 8020

Ion Ratio Lower Upper

43 100

58 22.4 22.6 33.8#



#20

Methylene Chloride

Concen: 2.546 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012858.D

Acq: 10 Sep 2019 07:57

Tgt Ion: 84 Resp: 6241

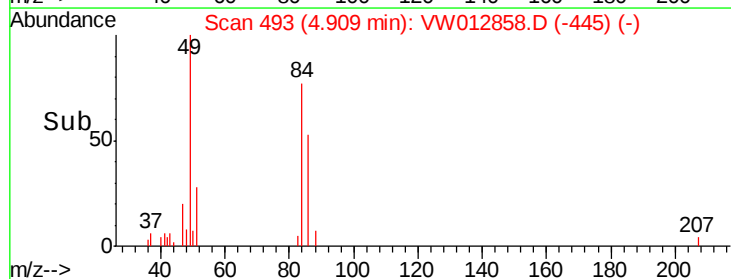
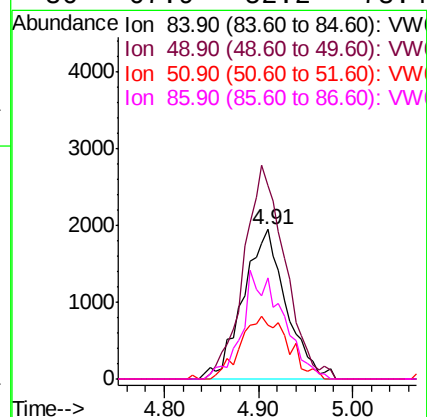
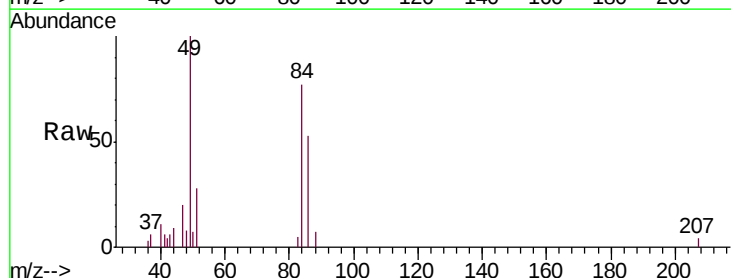
Ion Ratio Lower Upper

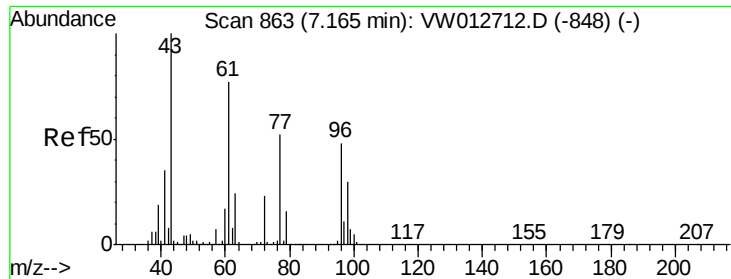
84 100

49 129.2 115.4 173.0

51 35.6 34.9 52.3

86 67.9 52.2 78.4

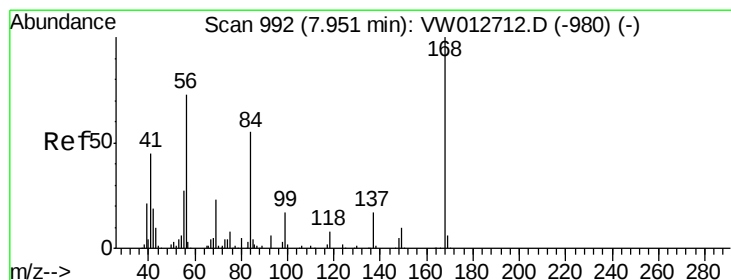
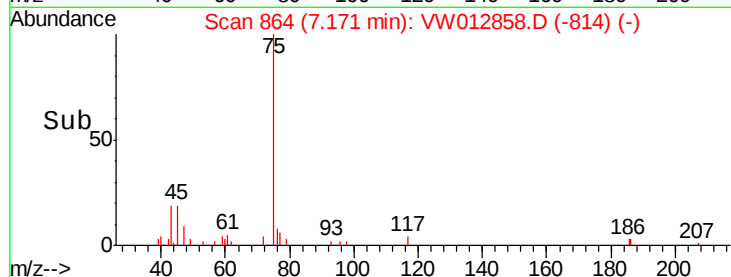
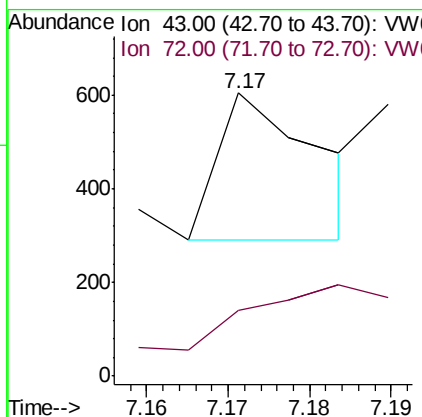
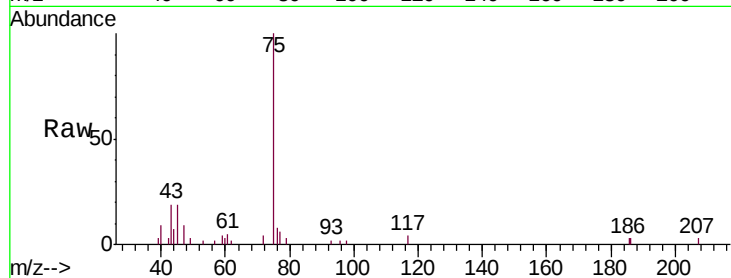




#25
2-Butanone
Concen: 19.890 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW012858.D
Acq: 10 Sep 2019 07:57

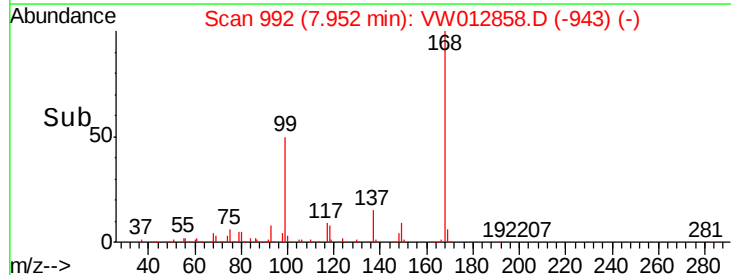
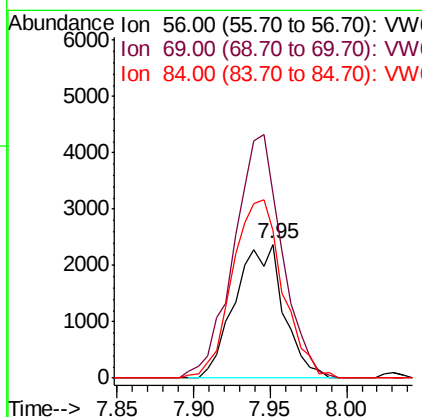
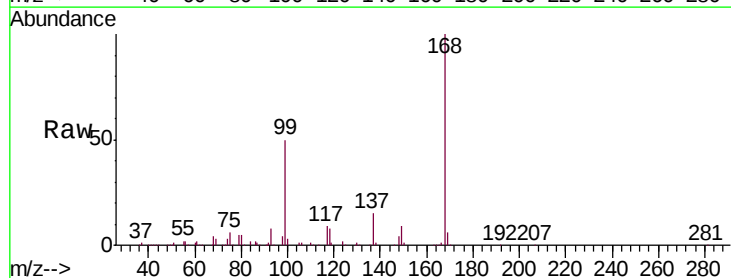
Instrument :
MSVOA_W
ClientSampleId :
WS-SB03-6.0-6.5

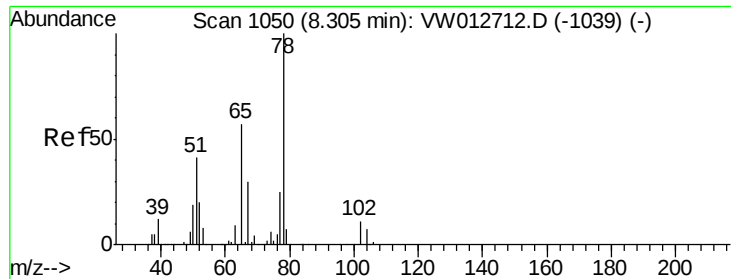
Tgt Ion: 43 Resp: 263
Ion Ratio Lower Upper
43 100
72 26.8 18.0 27.0



#31
Cyclohexane
Concen: 1.245 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012858.D
Acq: 10 Sep 2019 07:57

Tgt Ion: 56 Resp: 5260
Ion Ratio Lower Upper
56 100
69 138.0 25.7 38.5#
84 110.2 60.4 90.6#

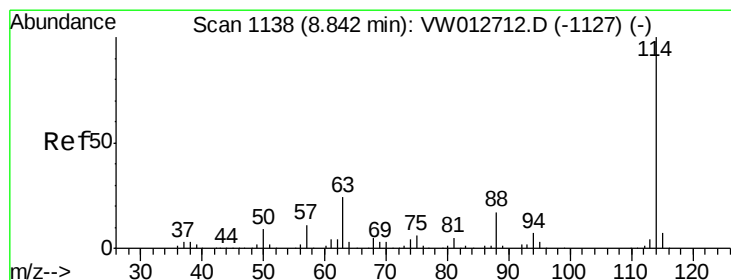
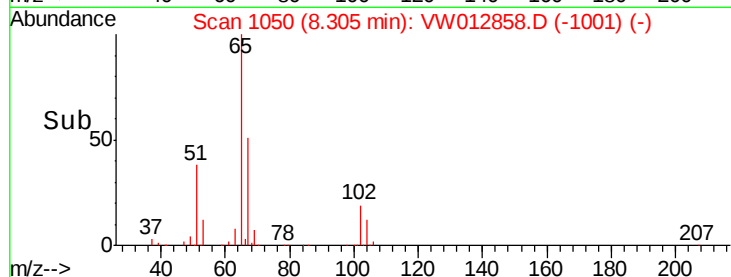
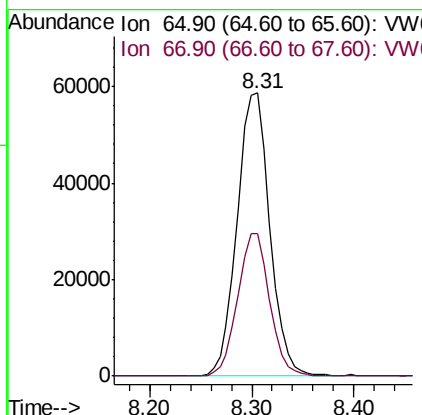
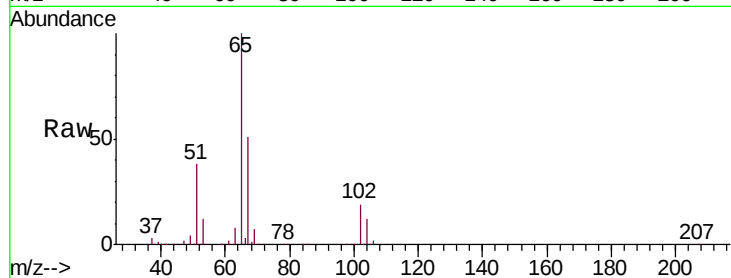




#33
 1,2-Dichloroethane-d4
 Concen: 45.471 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012858.D
 Acq: 10 Sep 2019 07:57

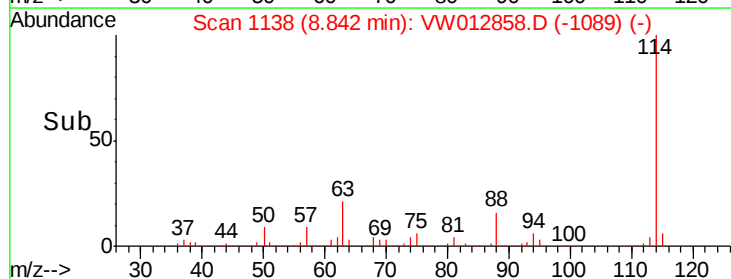
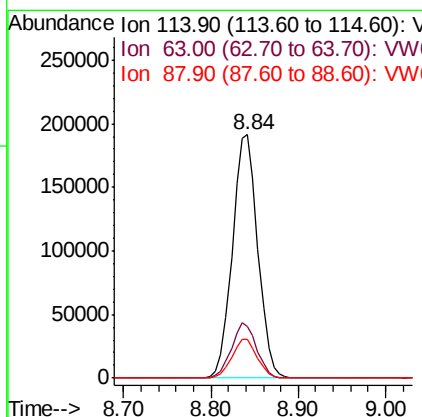
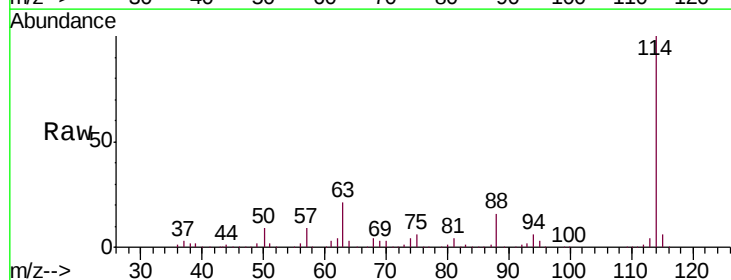
Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB03-6.0-6.5

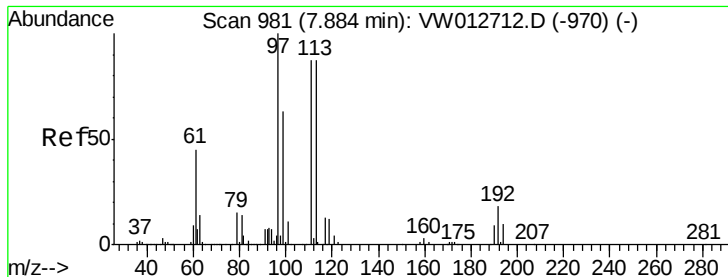
Tgt Ion: 65 Resp: 130677
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012858.D
 Acq: 10 Sep 2019 07:57

Tgt Ion: 114 Resp: 385891
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 47.2
 88 15.8 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.540 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012858.D

Acq: 10 Sep 2019 07:57

Instrument :

MSVOA_W

ClientSampleId :

WS-SB03-6.0-6.5

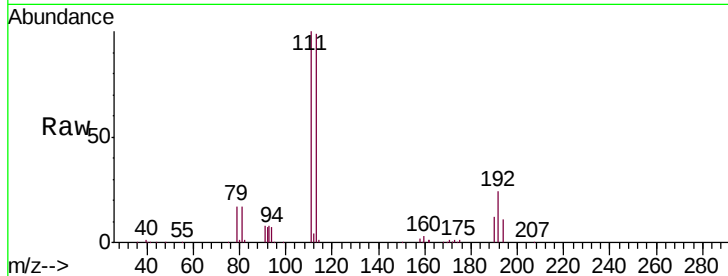
Tgt Ion:113 Resp: 109068

Ion Ratio Lower Upper

113 100

111 103.9 80.2 120.4

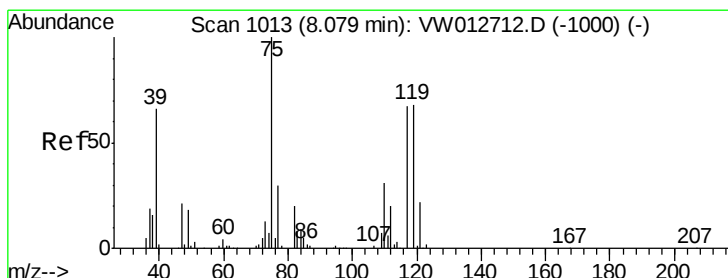
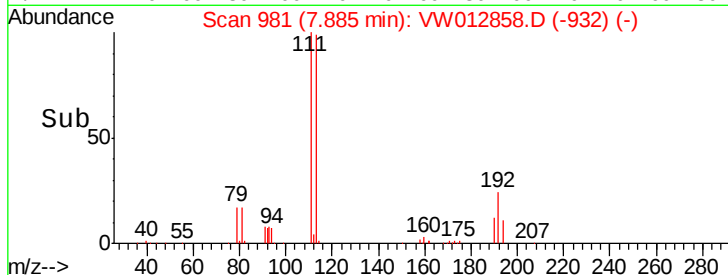
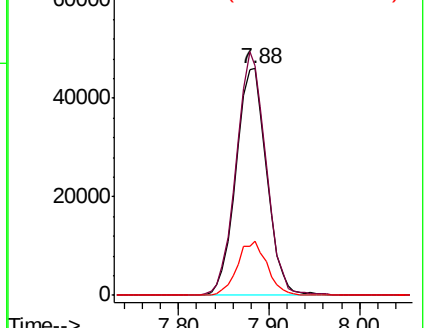
192 23.1 17.3 25.9



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: 5.680 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012858.D

Acq: 10 Sep 2019 07:57

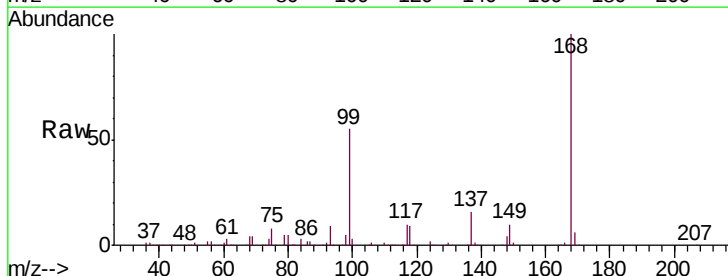
Tgt Ion: 75 Resp: 19476

Ion Ratio Lower Upper

75 100

110 7.8 15.9 47.7#

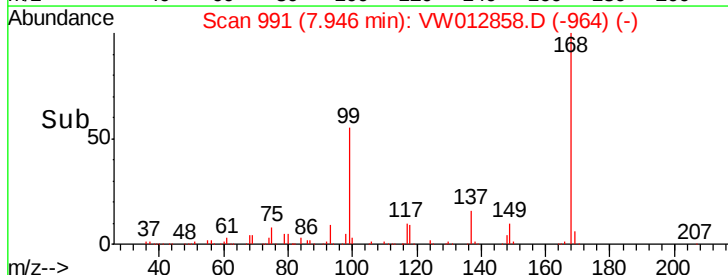
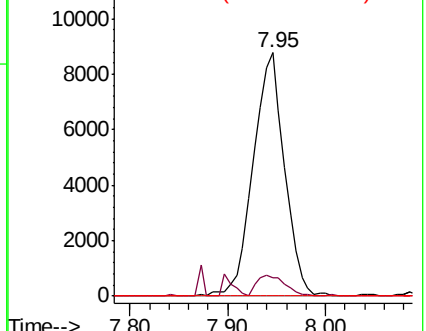
77 0.0 25.0 37.4#

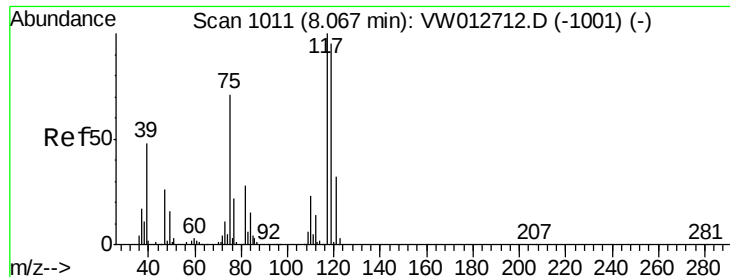


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.187 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012858.D

Acq: 10 Sep 2019 07:57

Instrument :

MSVOA_W

ClientSampleId :

WS-SB03-6.0-6.5

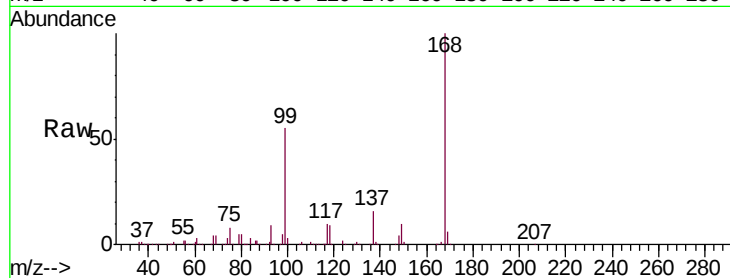
Tgt Ion:117 Resp: 24290

Ion Ratio Lower Upper

117 100

119 4.4 76.2 114.2#

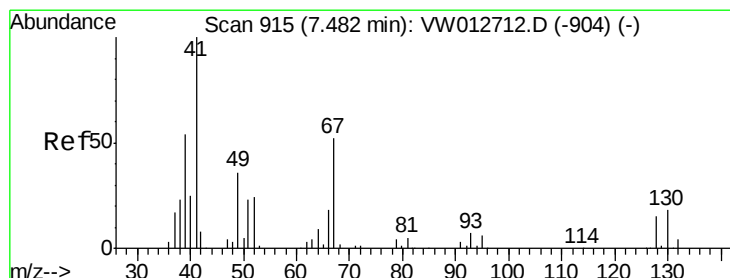
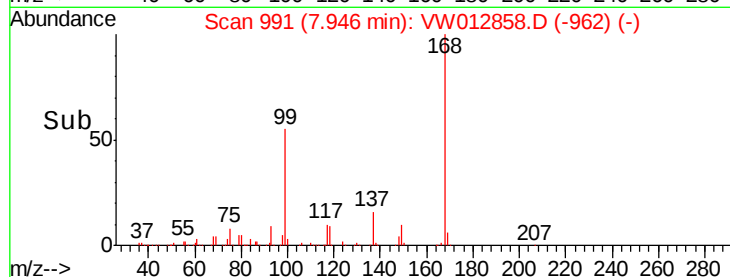
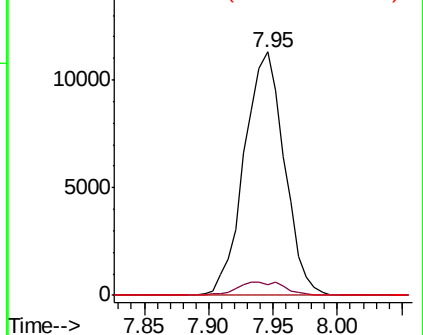
121 0.0 25.4 38.2#



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: 3.867 ug/l

RT: 7.44 min Scan# 908

Delta R.T. -0.04 min

Lab File: VW012858.D

Acq: 10 Sep 2019 07:57

Tgt Ion: 41 Resp: 46

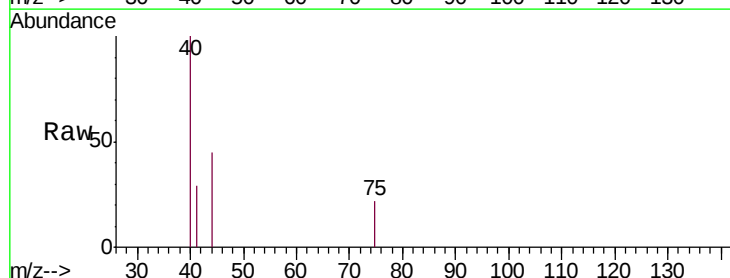
Ion Ratio Lower Upper

41 100

39 143.5 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

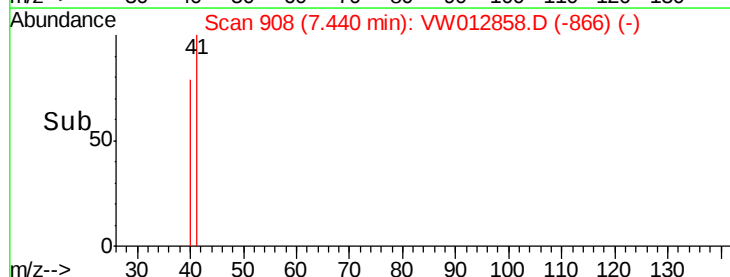
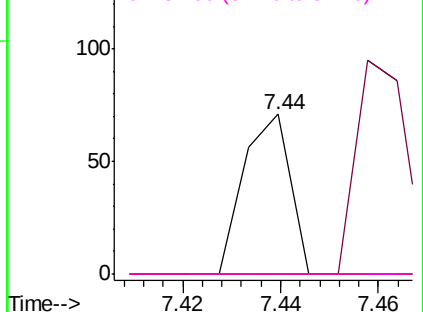


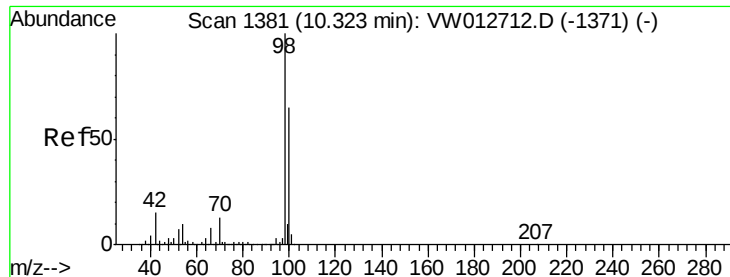
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 50.804 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012858.D

Acq: 10 Sep 2019 07:57

Instrument :

MSVOA_W

ClientSampleId :

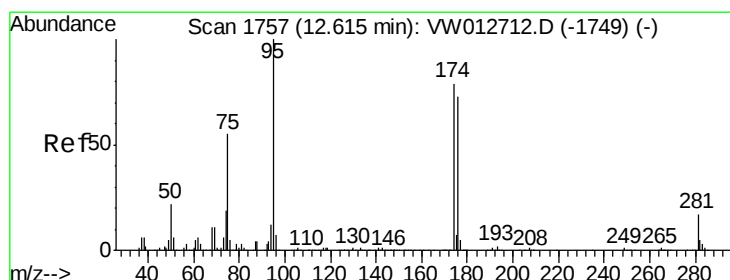
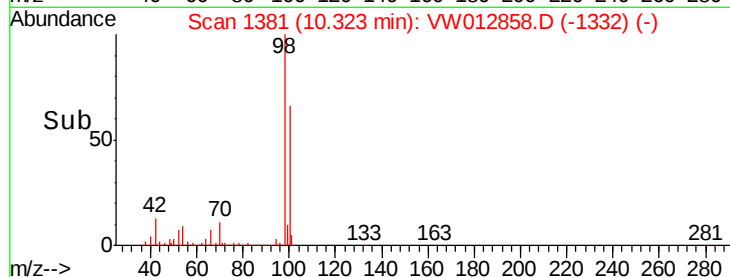
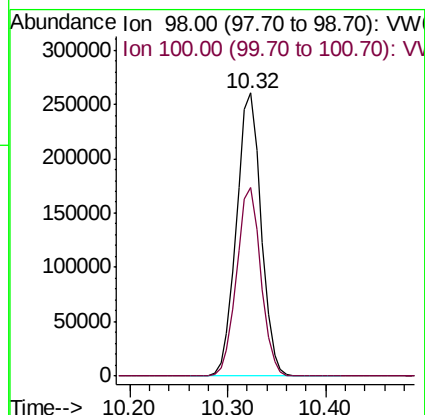
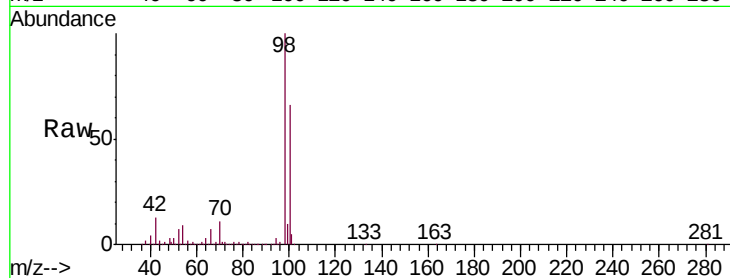
WS-SB03-6.0-6.5

Tgt Ion: 98 Resp: 456639

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 42.252 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012858.D

Acq: 10 Sep 2019 07:57

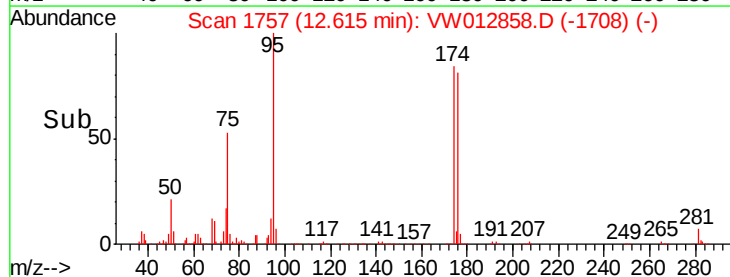
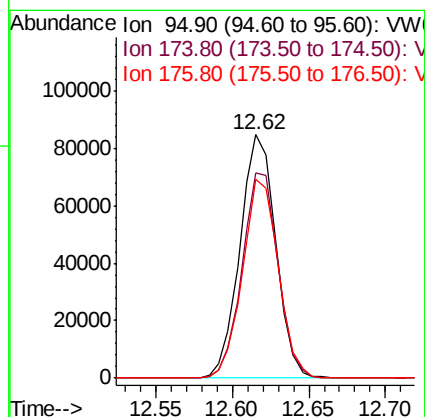
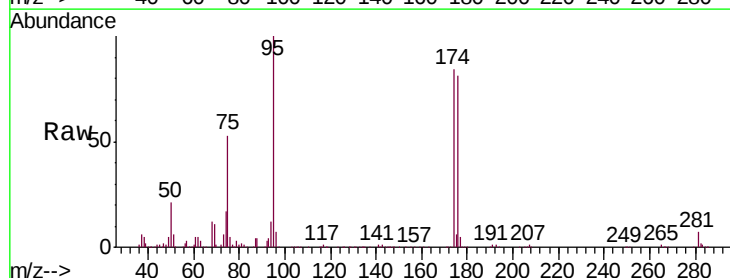
Tgt Ion: 95 Resp: 137869

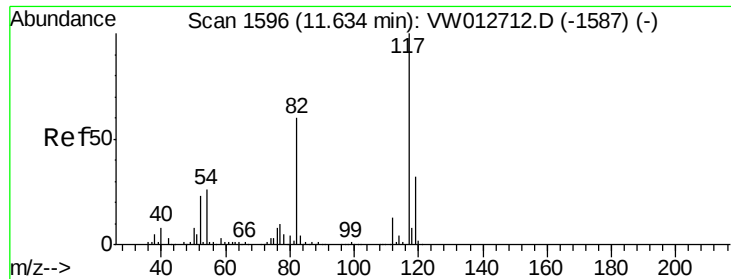
Ion Ratio Lower Upper

95 100

174 84.5 0.0 161.0

176 81.5 0.0 156.4

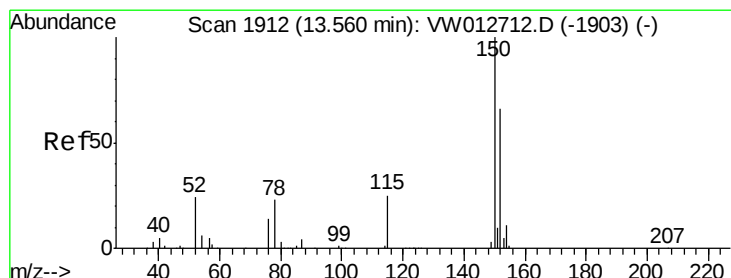
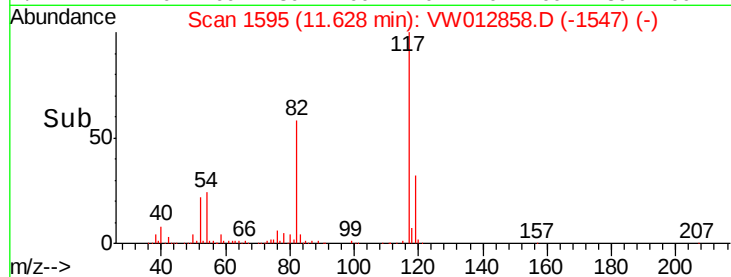
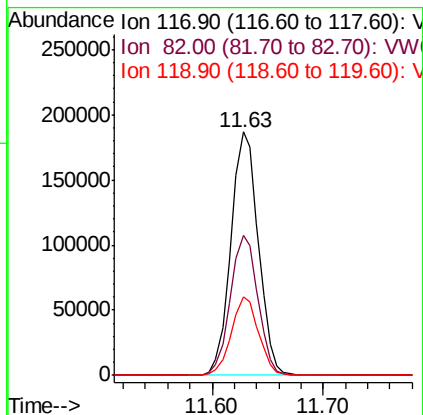
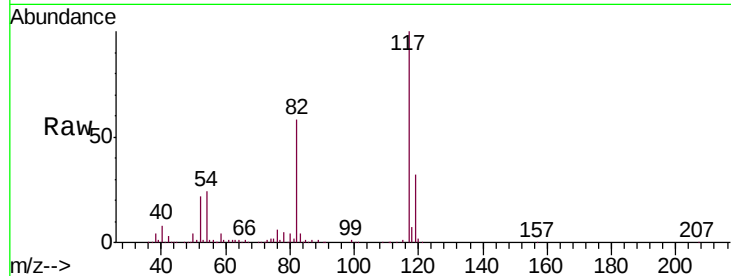




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012858.D
Acq: 10 Sep 2019 07:57

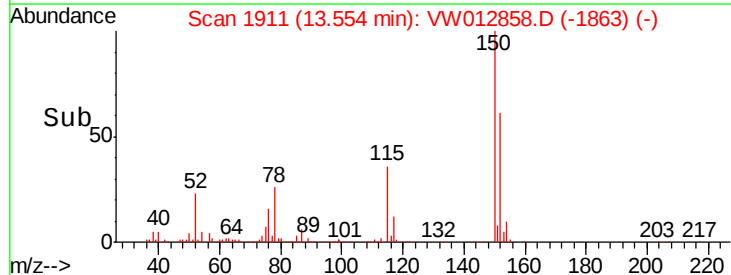
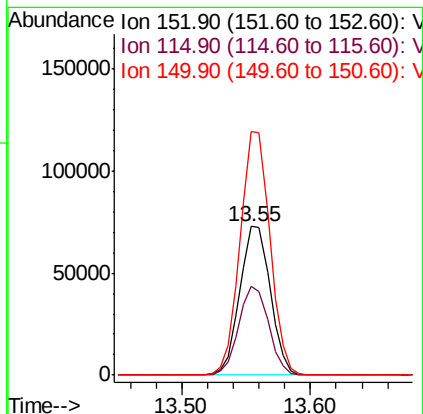
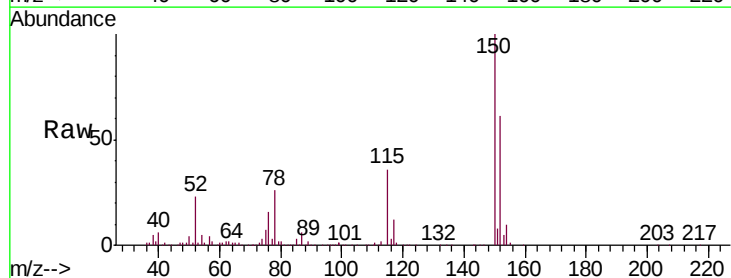
Instrument :
MSVOA_W
ClientSampleId :
WS-SB03-6.0-6.5

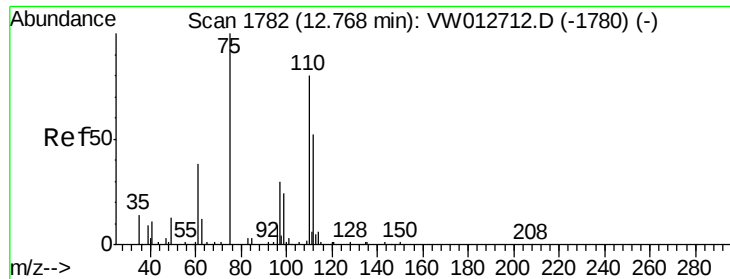
Tgt Ion:117 Resp: 317407
Ion Ratio Lower Upper
117 100
82 57.6 48.2 72.4
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012858.D
Acq: 10 Sep 2019 07:57

Tgt Ion:152 Resp: 119567
Ion Ratio Lower Upper
152 100
115 58.2 30.0 90.1
150 160.0 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 58.603 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012858.D

Acq: 10 Sep 2019 07:57

Instrument :

MSVOA_W

ClientSampleId :

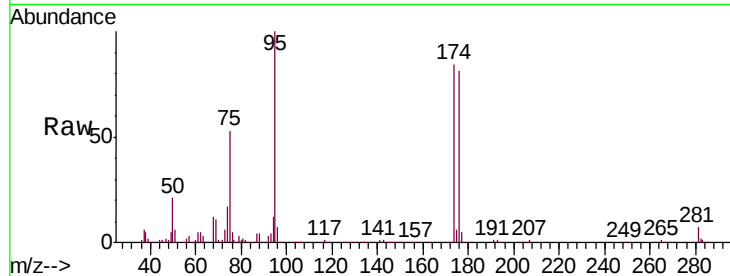
WS-SB03-6.0-6.5

Tgt Ion: 75 Resp: 71650

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

50000

40000

30000

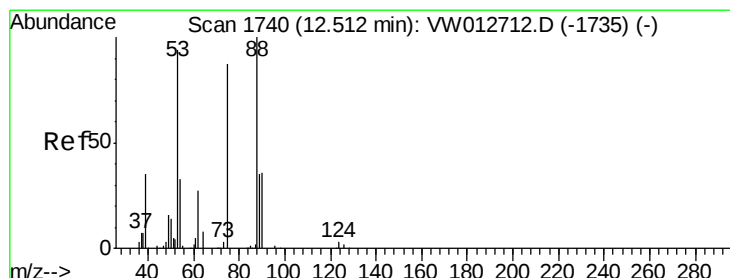
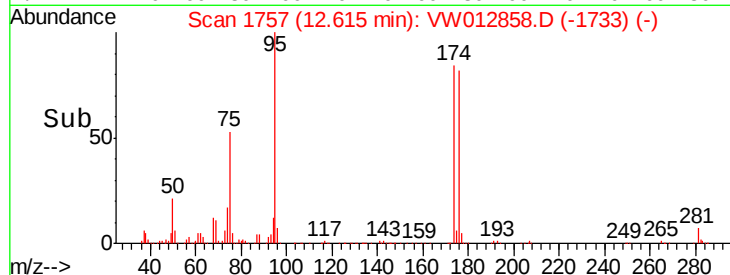
20000

10000

0

12.55 12.60 12.65

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 123.950 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012858.D

Acq: 10 Sep 2019 07:57

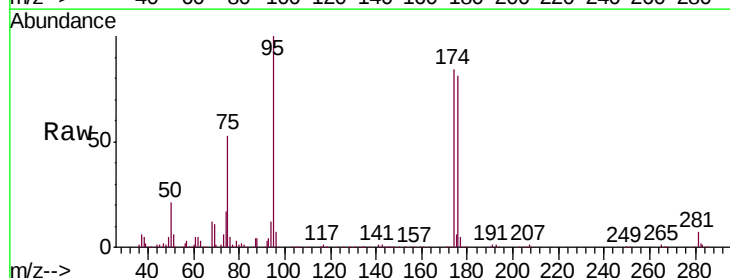
Tgt Ion: 75 Resp: 71650

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.0 35.5 53.3#



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

12.62

60000

50000

40000

30000

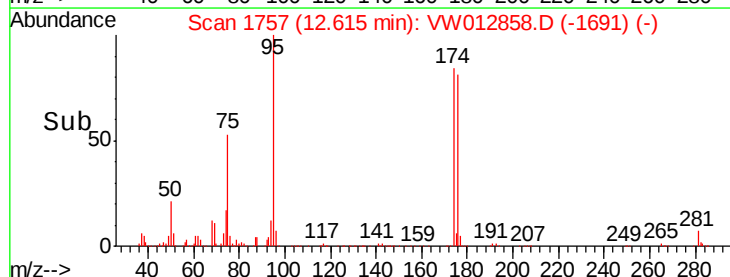
20000

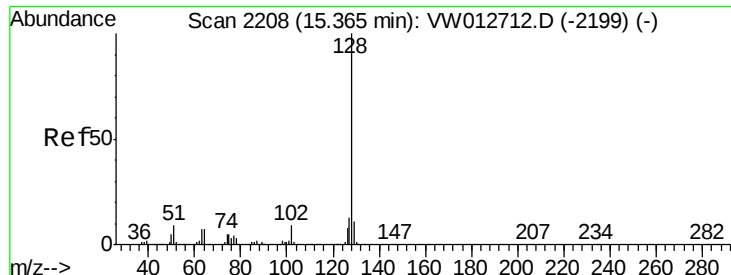
10000

0

12.55 12.60 12.65

Time-->





#95
Naphthalene
Concen: 4.485 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012858.D
Acq: 10 Sep 2019 07:57

Instrument :
MSVOA_W
ClientSampleId :
WS-SB03-6.0-6.5

Tgt Ion:128 Resp: 252
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 11.5 8.7 13.1

