

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012892.D
 Acq On : 11 Sep 2019 02:20
 Operator : SY/VA
 Sample : K4696-03
 Misc : 5.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB05-6.0-6.5

Quant Time: Sep 11 08:23:30 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	180558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	260108	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	208219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	83047	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	88146	43.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.38%	
35) Dibromofluoromethane	7.88	113	75749	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
50) Toluene-d8	10.32	98	301081	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
62) 4-Bromofluorobenzene	12.62	95	88665	40.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.62%	

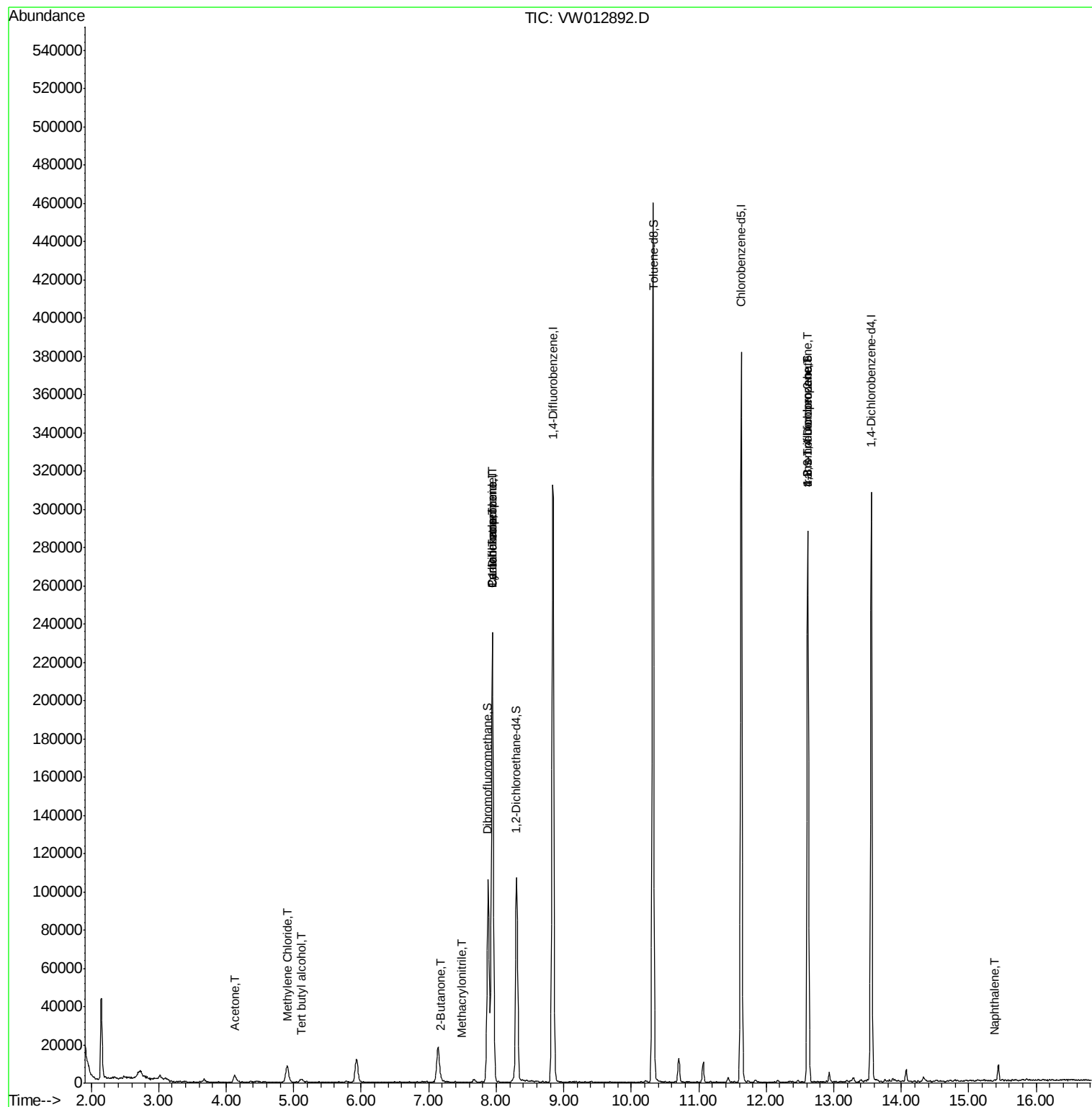
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1675	10.852	ug/l #	72
16) Acetone	4.12	43	7271	13.220	ug/l	94
20) Methylene Chloride	4.90	84	5878	3.416	ug/l #	83
25) 2-Butanone	7.18	43	1625	21.529	ug/l #	69
31) Cyclohexane	7.94	56	4076	1.374	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14356	6.212	ug/l #	48
38) Carbon Tetrachloride	7.94	117	16833	7.389	ug/l #	18
41) Methacrylonitrile	7.50	41	39	3.875	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	47144	55.516	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	47144	117.421	ug/l #	6
95) Naphthalene	15.37	128	174	4.485	ug/l #	69

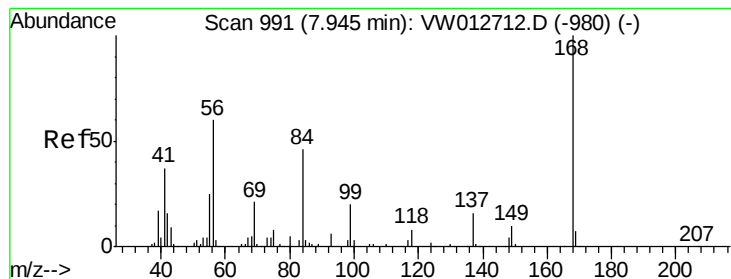
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012892.D

Acq: 11 Sep 2019 02:20

Instrument :

MSVOA_W

ClientSampleId :

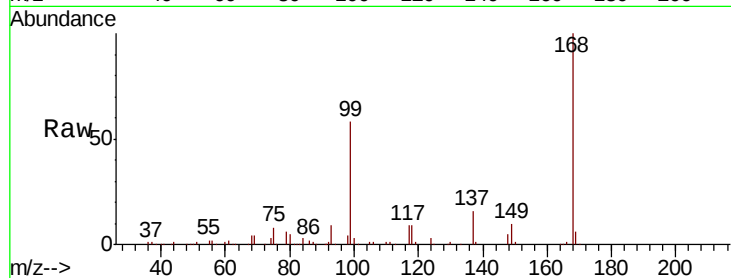
WS-SB05-6.0-6.5

Tgt Ion:168 Resp: 180558

Ion Ratio Lower Upper

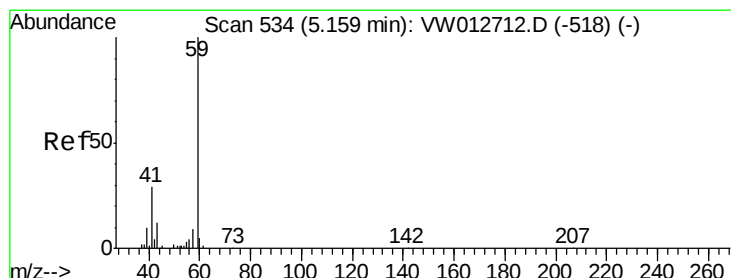
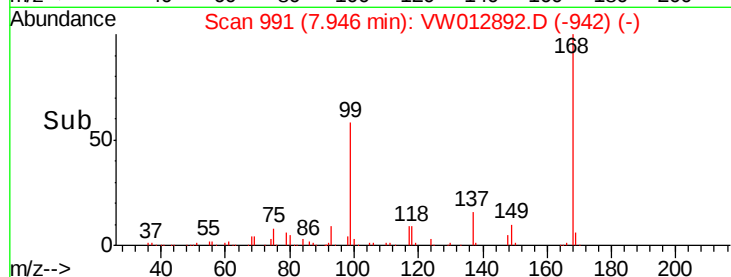
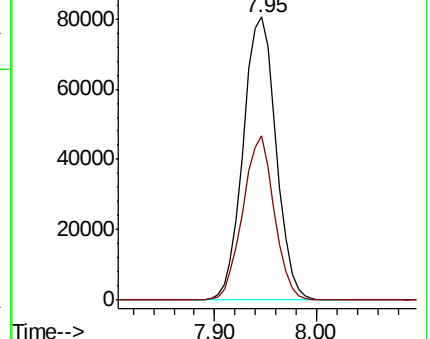
168 100

99 58.2 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: 10.852 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW012892.D

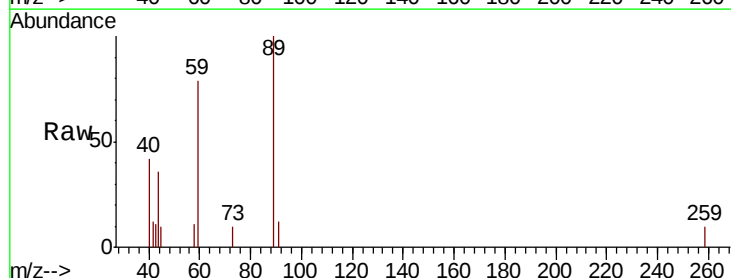
Acq: 11 Sep 2019 02:20

Tgt Ion: 59 Resp: 1675

Ion Ratio Lower Upper

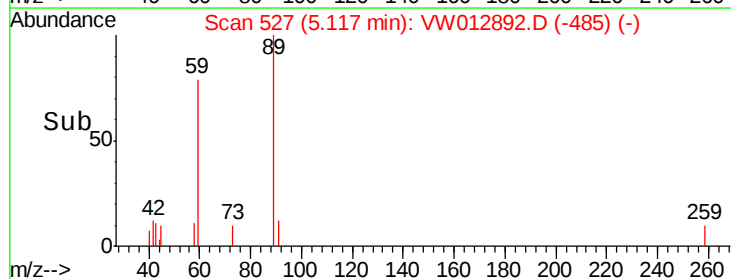
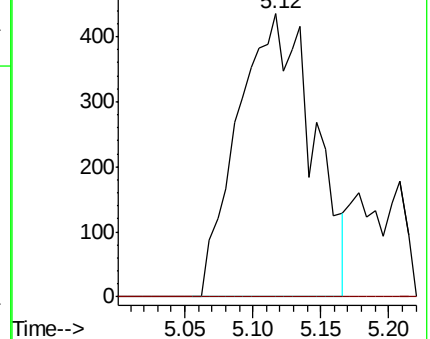
59 100

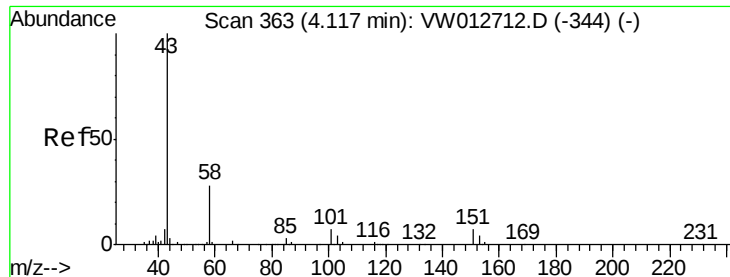
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 13.220 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012892.D

Acq: 11 Sep 2019 02:20

Instrument :

MSVOA_W

ClientSampleId :

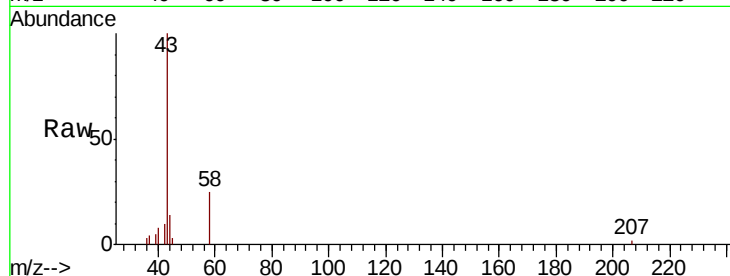
WS-SB05-6.0-6.5

Tgt Ion: 43 Resp: 7271

Ion Ratio Lower Upper

43 100

58 24.9 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

2500

2000

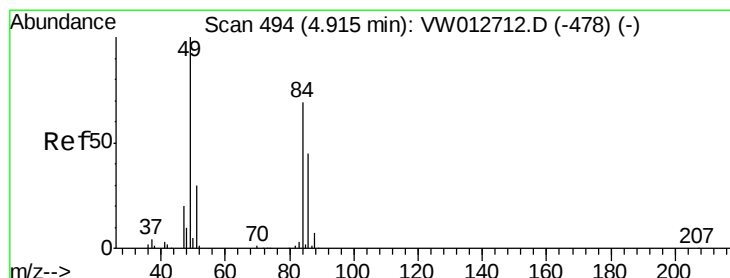
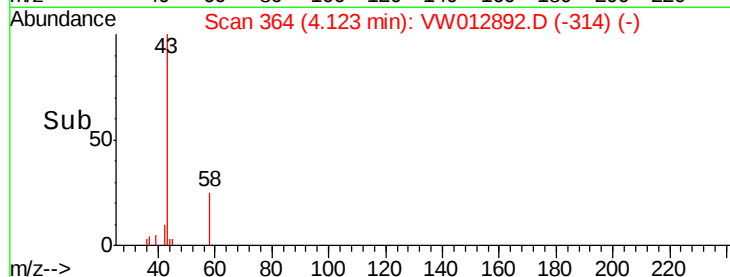
1500

1000

500

0

Time--> 4.00 4.10 4.20



#20

Methylene Chloride

Concen: 3.416 ug/l

RT: 4.90 min Scan# 491

Delta R.T. -0.02 min

Lab File: VW012892.D

Acq: 11 Sep 2019 02:20

Tgt Ion: 84 Resp: 5878

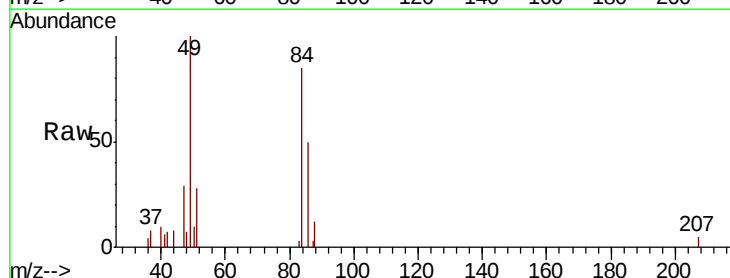
Ion Ratio Lower Upper

84 100

49 117.6 115.4 173.0

51 33.5 34.9 52.3#

86 59.2 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

4.90

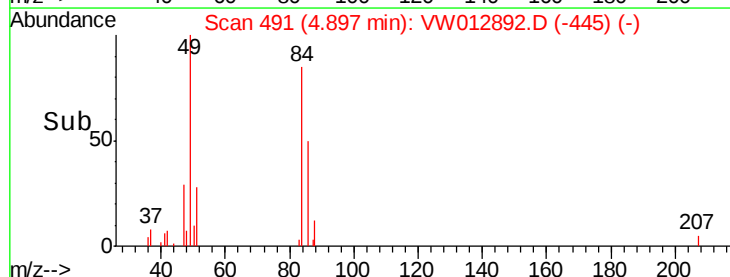
3000

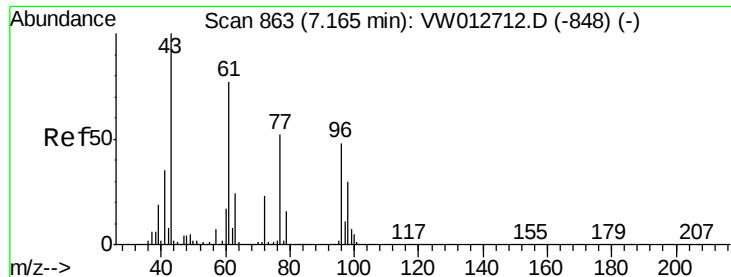
2000

1000

0

Time--> 4.80 4.90 5.00





#25

2-Butanone

Concen: 21.529 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW012892.D

Acq: 11 Sep 2019 02:20

Instrument :

MSVOA_W

ClientSampleId :

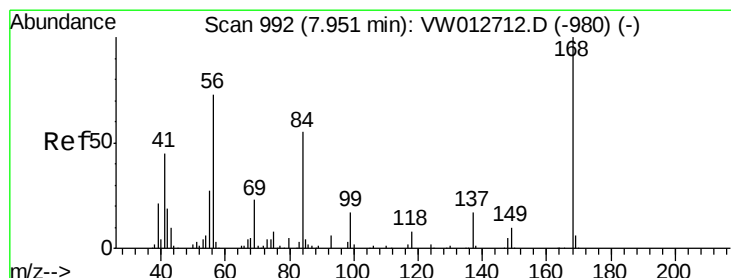
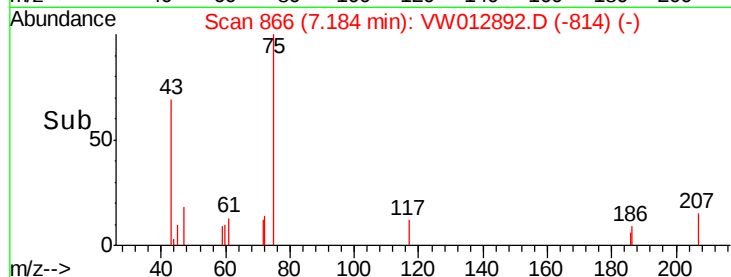
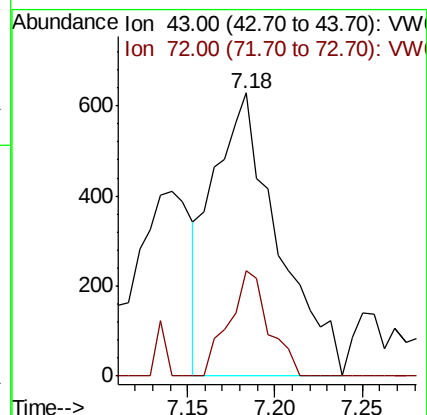
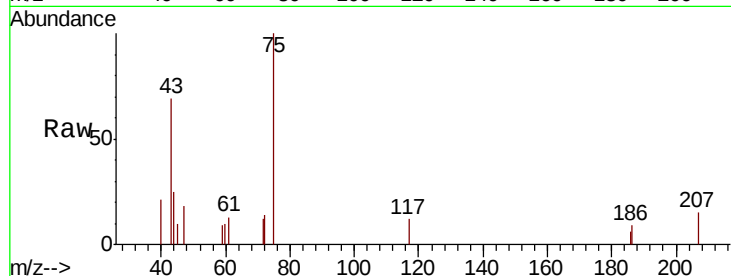
WS-SB05-6.0-6.5

Tgt Ion: 43 Resp: 1625

Ion Ratio Lower Upper

43 100

72 37.4 18.0 27.0#



#31

Cyclohexane

Concen: 1.374 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012892.D

Acq: 11 Sep 2019 02:20

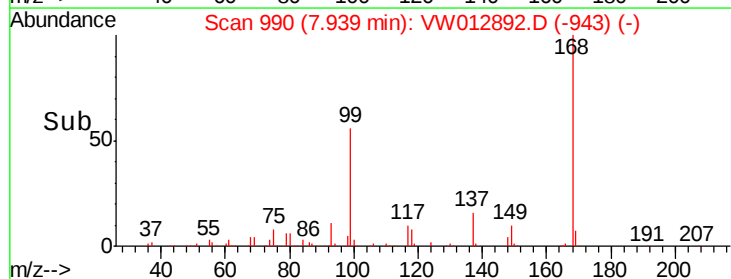
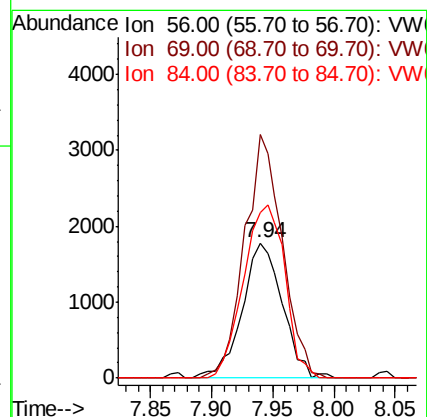
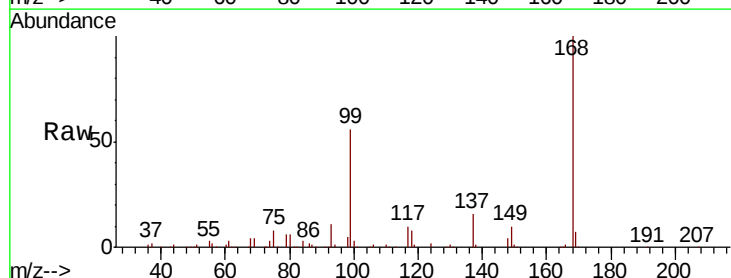
Tgt Ion: 56 Resp: 4076

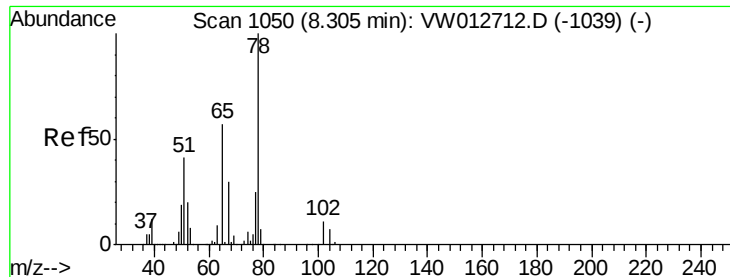
Ion Ratio Lower Upper

56 100

69 179.9 25.7 38.5#

84 122.0 60.4 90.6#

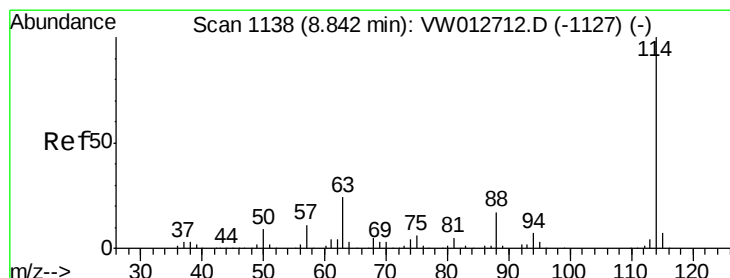
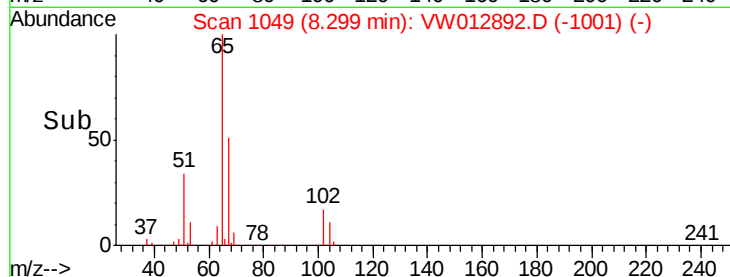
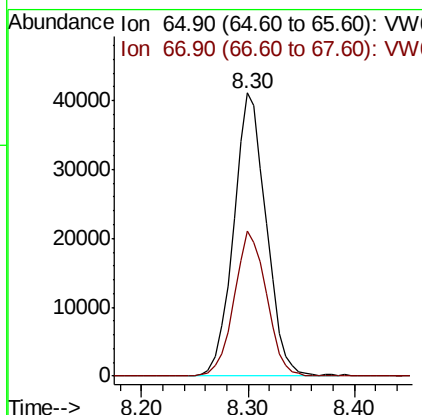
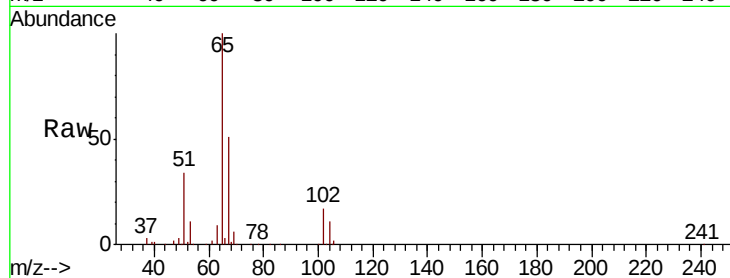




#33
 1,2-Dichloroethane-d4
 Concen: 43.692 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012892.D
 Acq: 11 Sep 2019 02:20

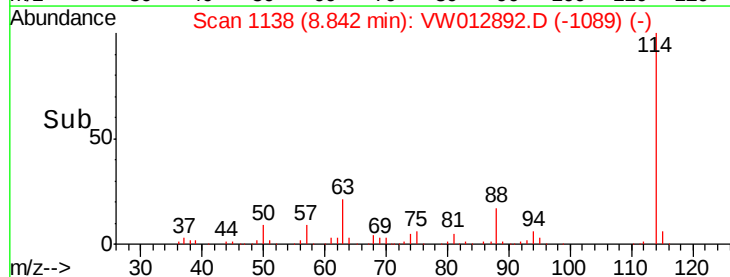
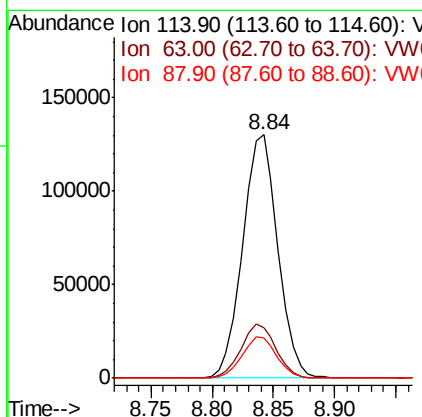
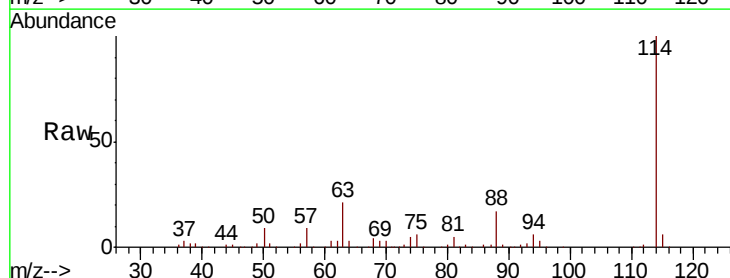
Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB05-6.0-6.5

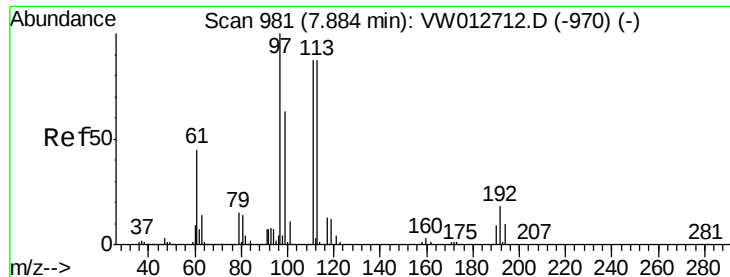
Tgt Ion: 65 Resp: 88146
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012892.D
 Acq: 11 Sep 2019 02:20

Tgt Ion: 114 Resp: 260108
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 47.2
 88 16.6 0.0 34.0

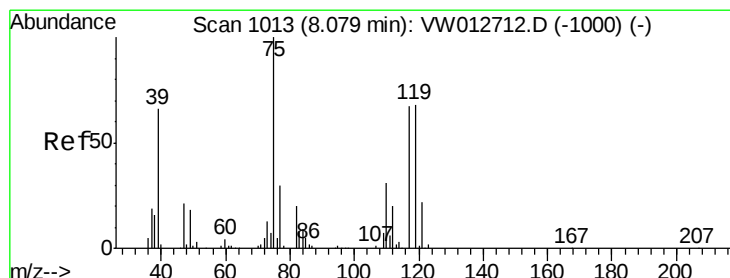
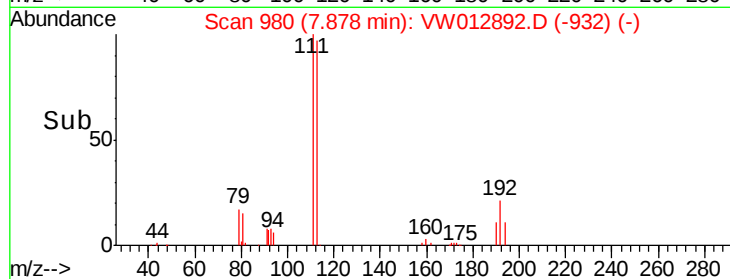
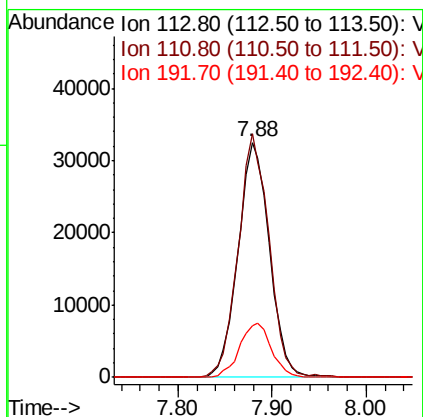
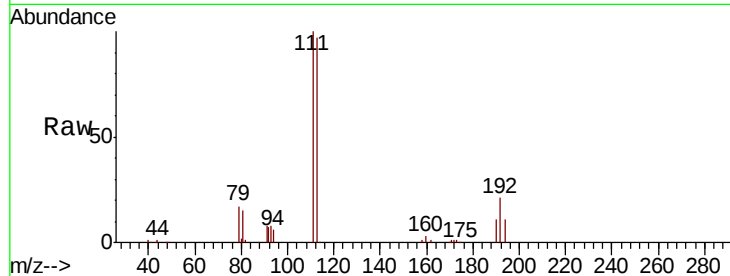




#35
 Dibromofluoromethane
 Concen: 48.984 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012892.D
 Acq: 11 Sep 2019 02:20

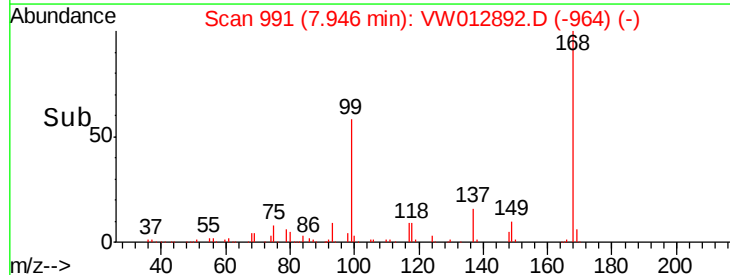
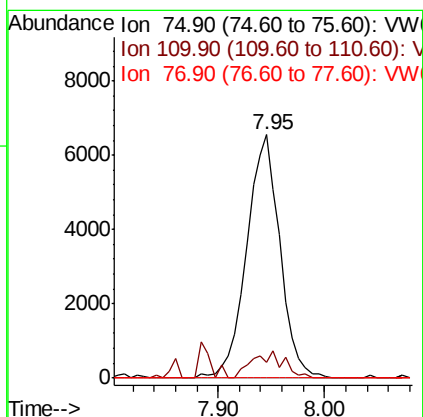
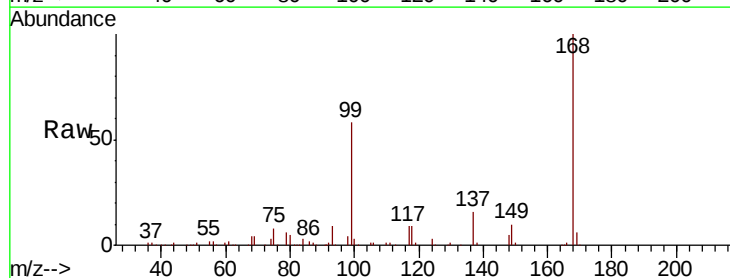
Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB05-6.0-6.5

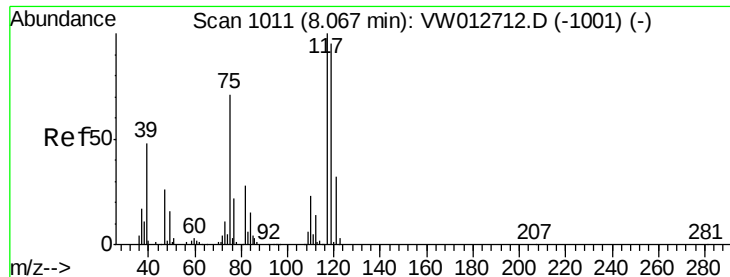
Tgt Ion:113 Resp: 75749
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.2 120.4
 192 23.1 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 6.212 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012892.D
 Acq: 11 Sep 2019 02:20

Tgt Ion: 75 Resp: 14356
 Ion Ratio Lower Upper
 75 100
 110 5.5 15.9 47.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.389 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012892.D

Acq: 11 Sep 2019 02:20

Instrument :

MSVOA_W

ClientSampleId :

WS-SB05-6.0-6.5

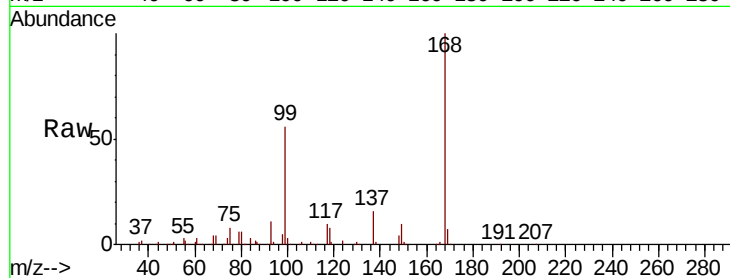
Tgt Ion: 117 Resp: 16833

Ion Ratio Lower Upper

117 100

119 6.9 76.2 114.2#

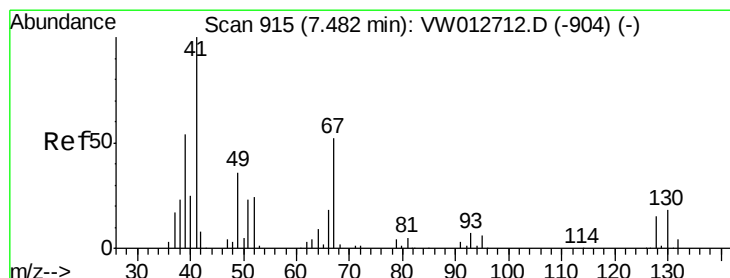
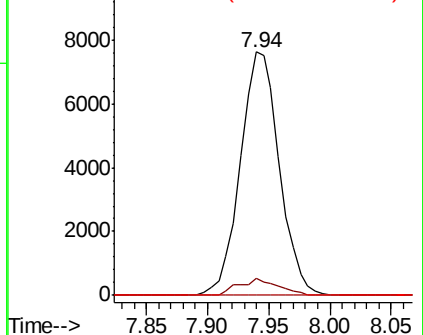
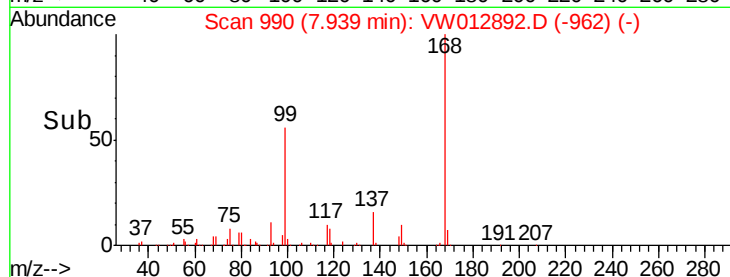
121 0.0 25.4 38.2#



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: 3.875 ug/l

RT: 7.50 min Scan# 918

Delta R.T. 0.02 min

Lab File: VW012892.D

Acq: 11 Sep 2019 02:20

Tgt Ion: 41 Resp: 39

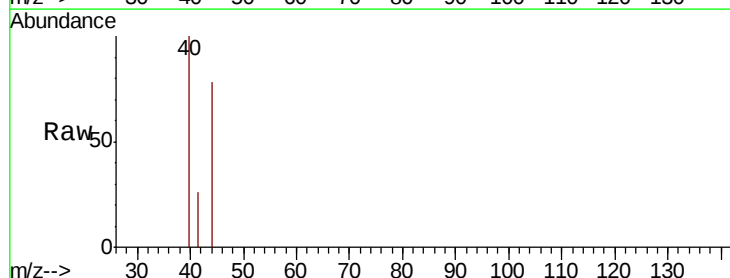
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

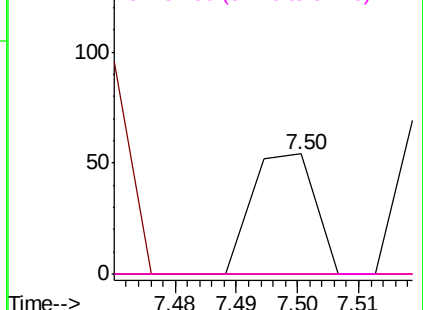
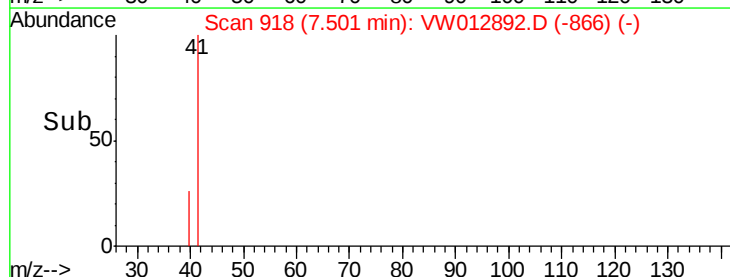


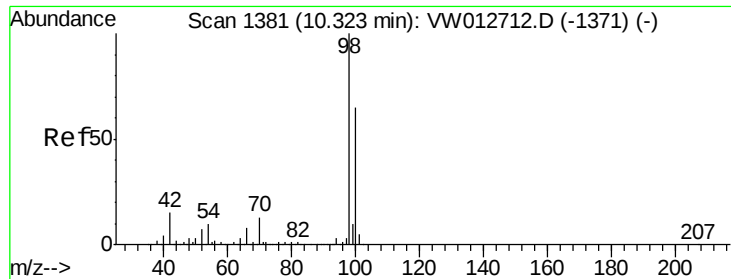
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 49.696 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012892.D

Acq: 11 Sep 2019 02:20

Instrument :

MSVOA_W

ClientSampleId :

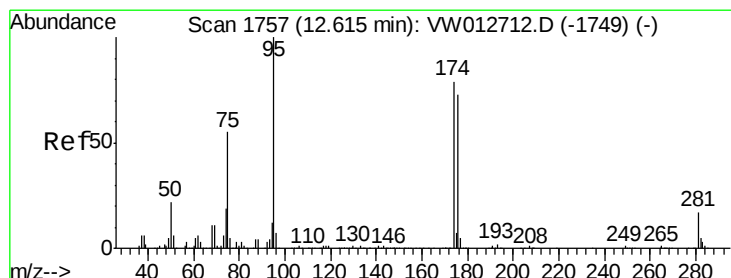
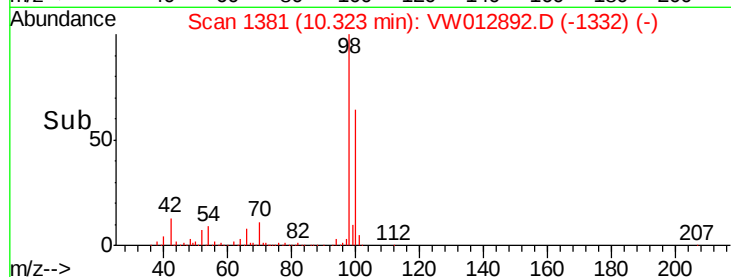
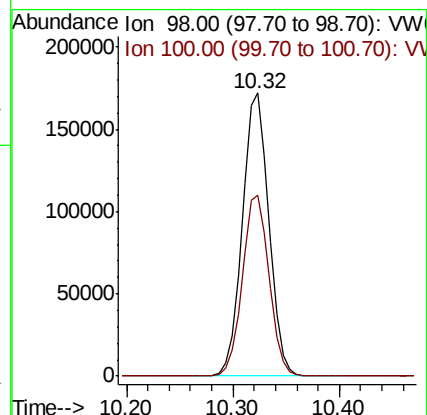
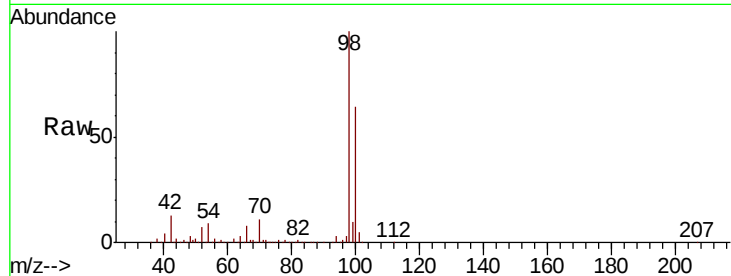
WS-SB05-6.0-6.5

Tgt Ion: 98 Resp: 301081

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 40.313 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012892.D

Acq: 11 Sep 2019 02:20

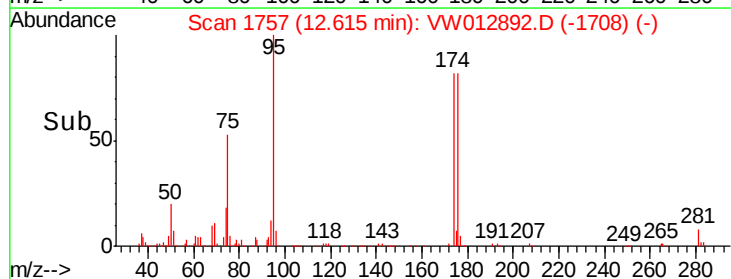
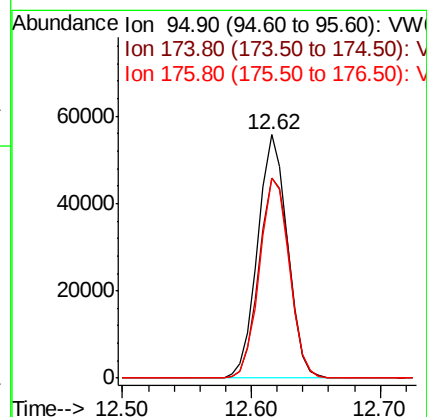
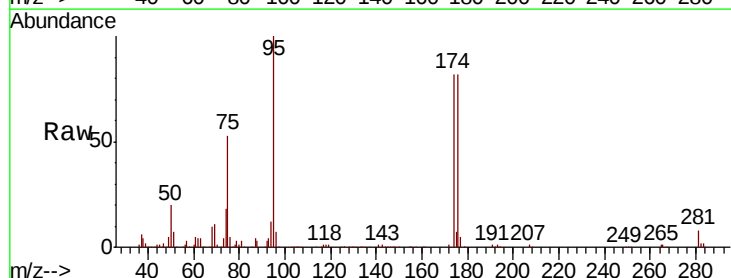
Tgt Ion: 95 Resp: 88665

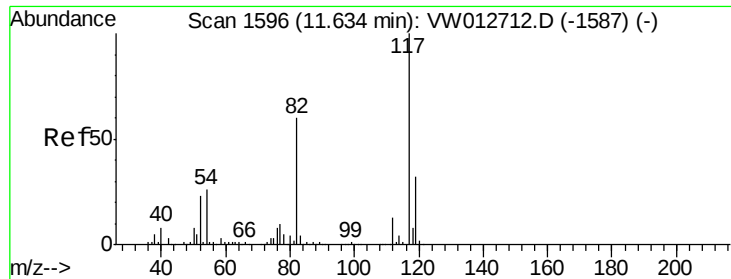
Ion Ratio Lower Upper

95 100

174 85.0 0.0 161.0

176 82.5 0.0 156.4

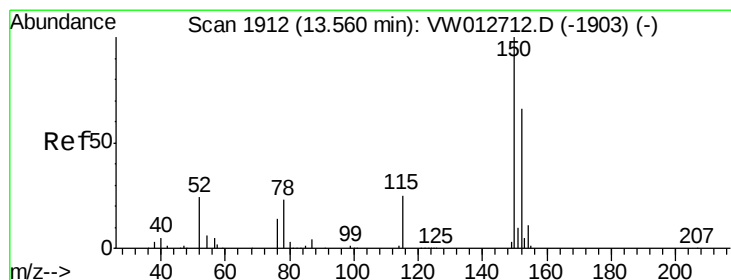
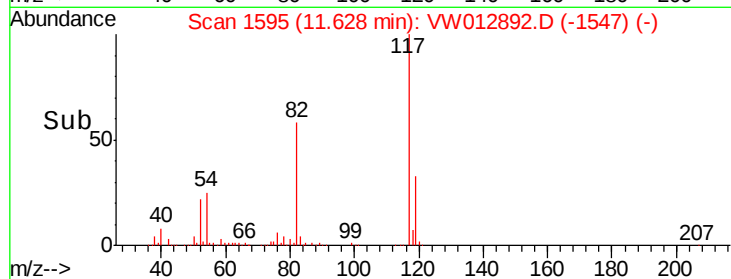
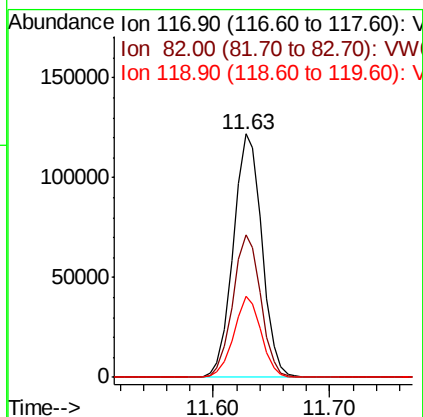
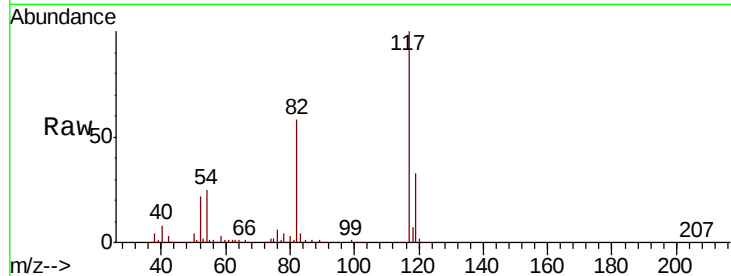




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012892.D
Acq: 11 Sep 2019 02:20

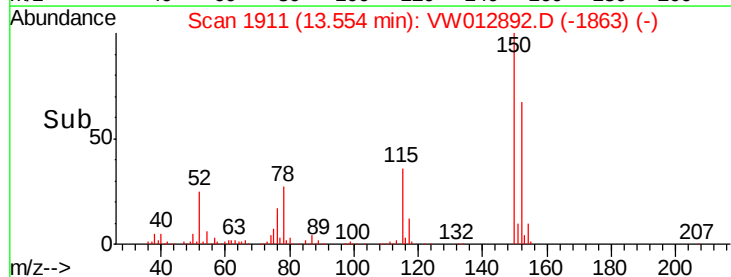
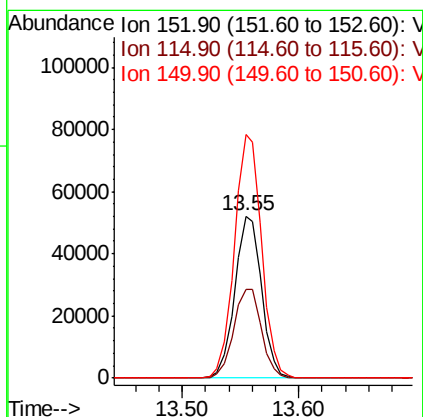
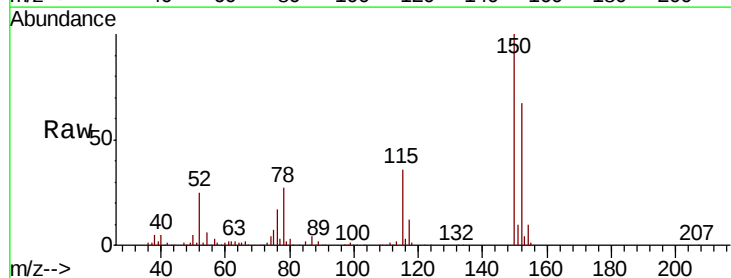
Instrument :
MSVOA_W
ClientSampleId :
WS-SB05-6.0-6.5

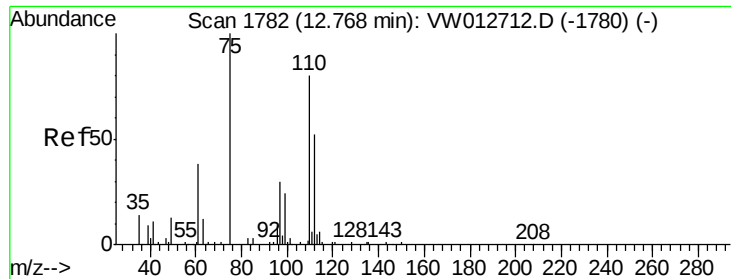
Tgt Ion:117 Resp: 208219
Ion Ratio Lower Upper
117 100
82 58.3 48.2 72.4
119 33.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012892.D
Acq: 11 Sep 2019 02:20

Tgt Ion:152 Resp: 83047
Ion Ratio Lower Upper
152 100
115 57.4 30.0 90.1
150 152.9 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 55.516 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012892.D

Acq: 11 Sep 2019 02:20

Instrument :

MSVOA_W

ClientSampleId :

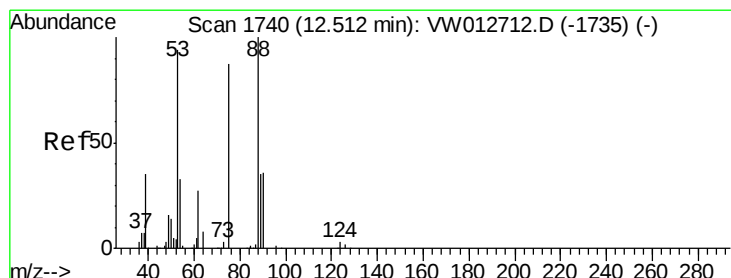
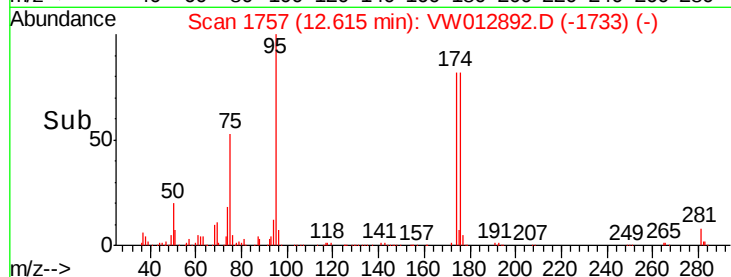
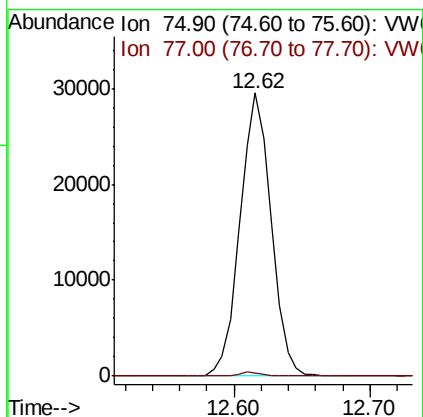
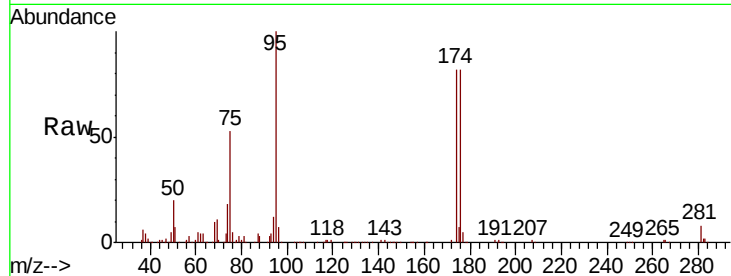
WS-SB05-6.0-6.5

Tgt Ion: 75 Resp: 47144

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 117.421 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012892.D

Acq: 11 Sep 2019 02:20

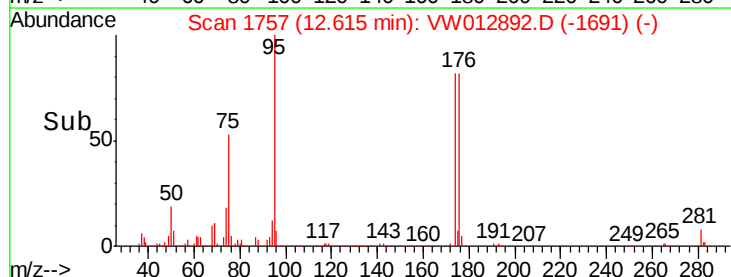
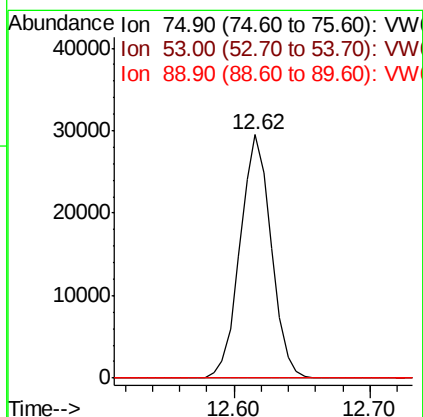
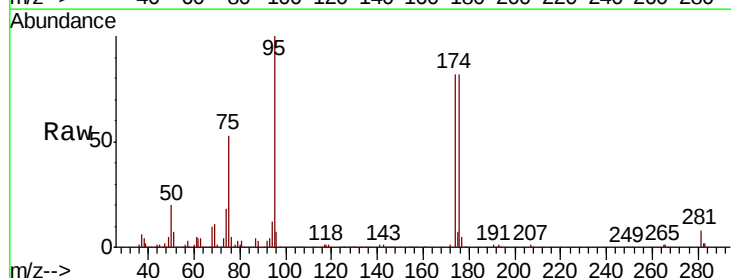
Tgt Ion: 75 Resp: 47144

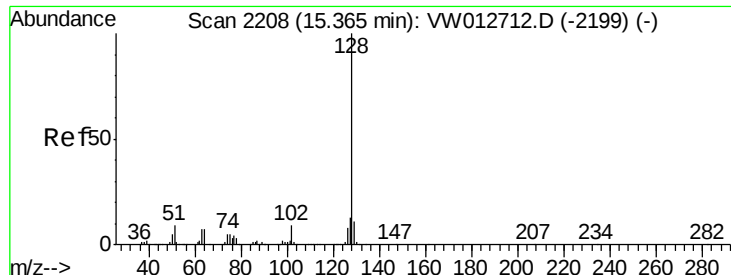
Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.1 35.5 53.3#

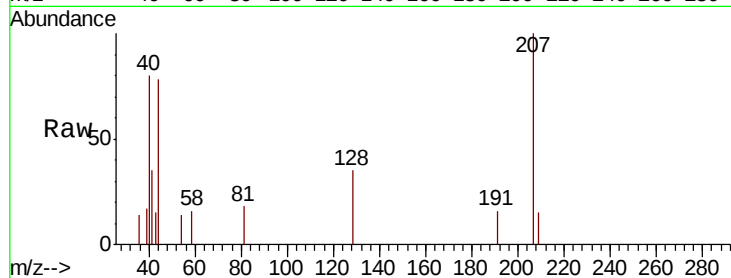




#95
Naphthalene
Concen: 4.485 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012892.D
Acq: 11 Sep 2019 02:20

Instrument :
MSVOA_W
ClientSampleId :
WS-SB05-6.0-6.5

Tgt Ion:128 Resp: 174
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

