

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012891.D
 Acq On : 11 Sep 2019 01:54
 Operator : SY/VA
 Sample : K4696-01
 Misc : 5.01G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB04-3.0-3.5

Quant Time: Sep 11 08:23:16 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	7.94	168	74177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	104512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	83395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	31464	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	38854	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
35) Dibromofluoromethane	7.88	113	32581	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
50) Toluene-d8	10.32	98	123556	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.62	95	35517	40.19	ug/l	0.00
Spiked Amount			Recovery	=	80.38%	

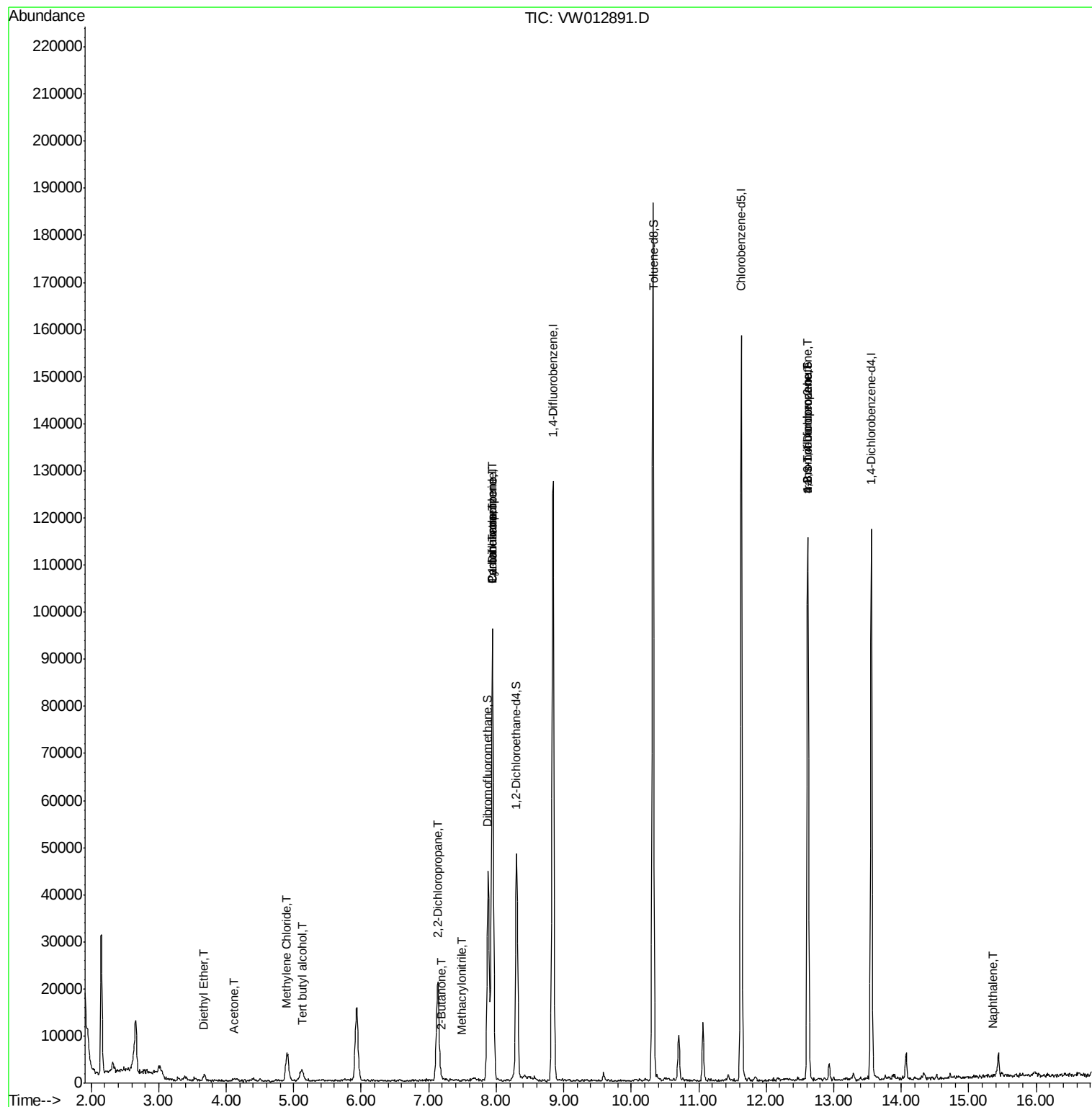
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	710	2.043	ug/l	87
11) Tert butyl alcohol	5.12	59	2676	42.200	ug/l #	72
16) Acetone	4.12	43	879	3.890	ug/l #	47
20) Methylene Chloride	4.90	84	4019	5.686	ug/l #	86
25) 2-Butanone	7.19	43	153	20.104	ug/l #	53
26) 2,2-Dichloropropane	7.13	77	1357	1.588	ug/l #	55
31) Cyclohexane	7.95	56	1852	1.520	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	5319	5.728	ug/l #	51
38) Carbon Tetrachloride	7.95	117	7054	7.706	ug/l #	16
41) Methacrylonitrile	7.49	41	27	3.901	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	18783	58.381	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	18783	123.479	ug/l #	7
95) Naphthalene	15.36	128	123	4.524	ug/l #	69

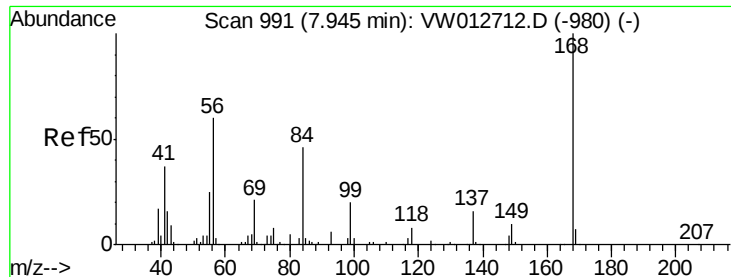
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
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WS-SB04-3.0-3.5

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012891.D

Acq: 11 Sep 2019 01:54

Instrument :

MSVOA_W

ClientSampled :

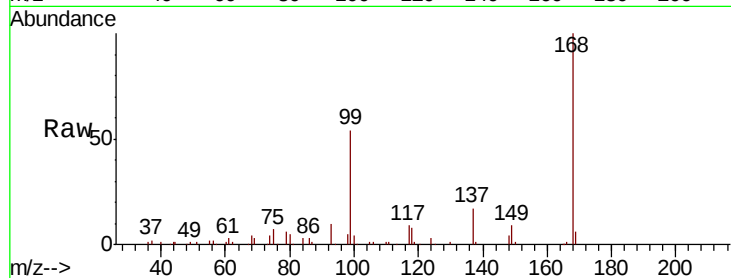
WS-SB04-3.0-3.5

Tgt Ion:168 Resp: 74177

Ion Ratio Lower Upper

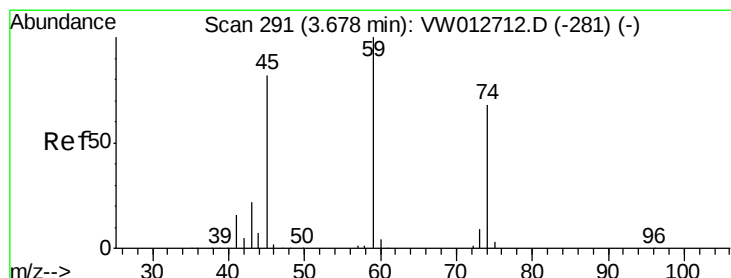
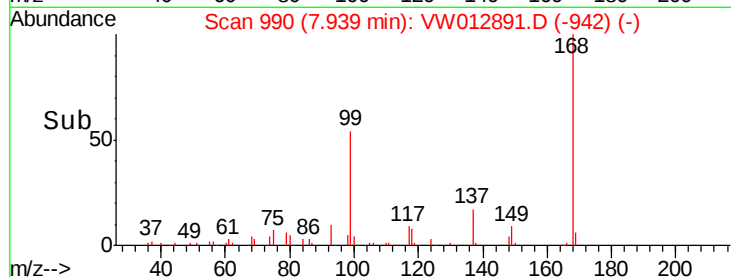
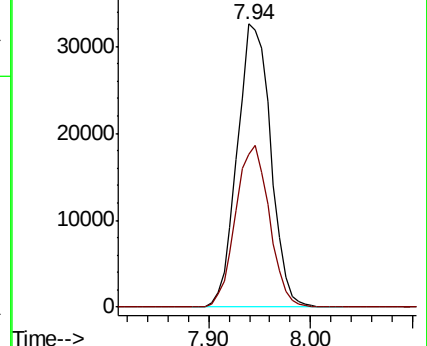
168 100

99 54.2 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.043 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW012891.D

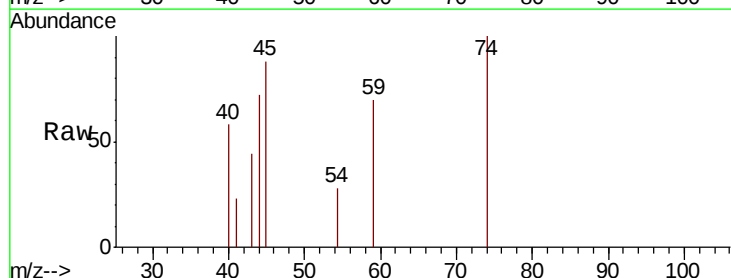
Acq: 11 Sep 2019 01:54

Tgt Ion: 74 Resp: 710

Ion Ratio Lower Upper

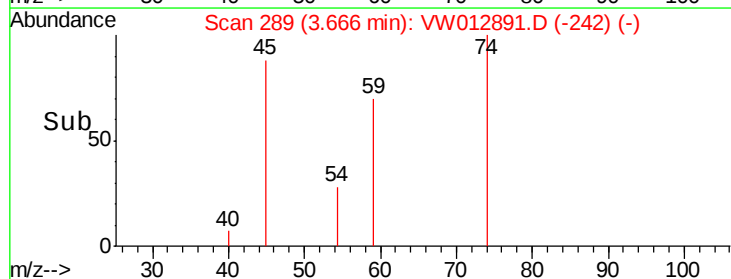
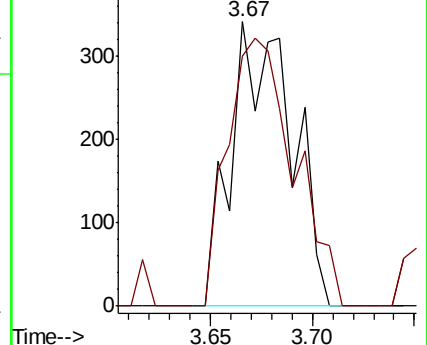
74 100

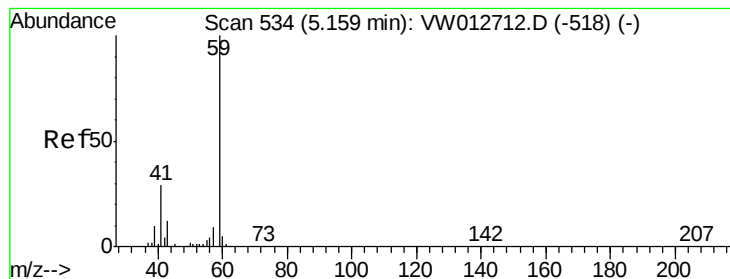
45 102.8 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 42.200 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW012891.D

Acq: 11 Sep 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

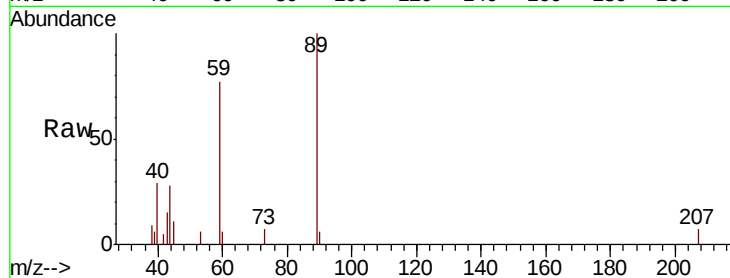
WS-SB04-3.0-3.5

Tgt Ion: 59 Resp: 2676

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

5.12

800

600

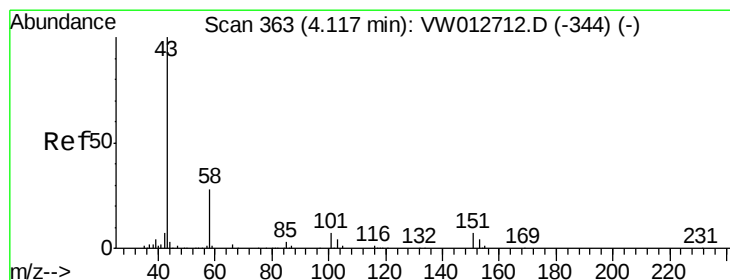
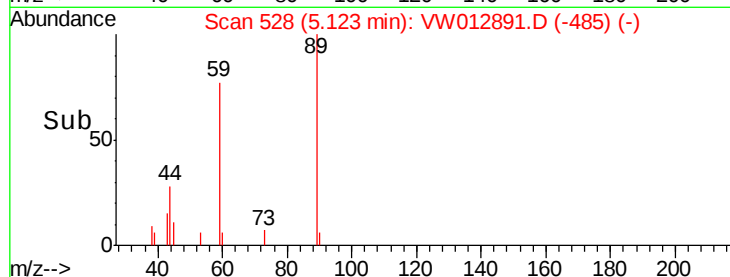
400

200

0

5.00 5.10 5.20

Time-->



#16

Acetone

Concen: 3.890 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012891.D

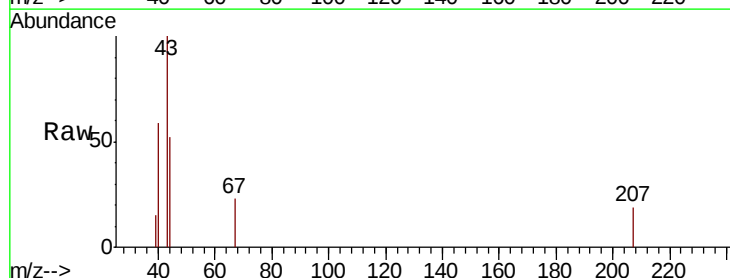
Acq: 11 Sep 2019 01:54

Tgt Ion: 43 Resp: 879

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

4.12

400

300

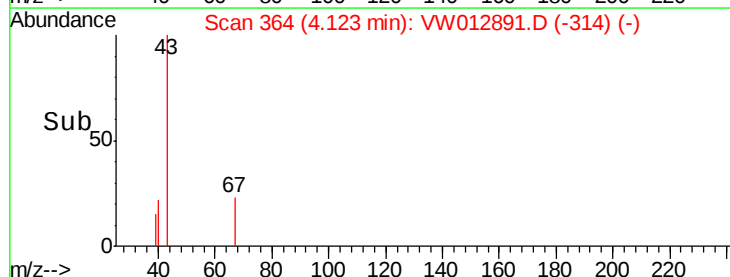
200

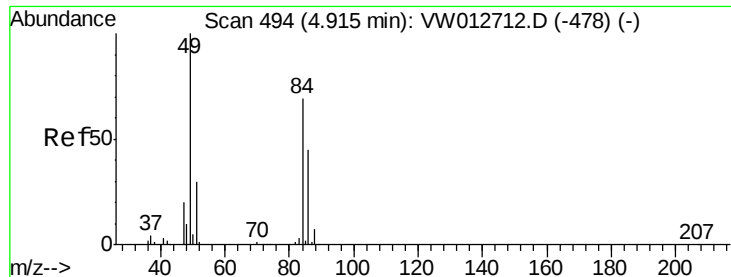
100

0

4.05 4.10 4.15

Time-->

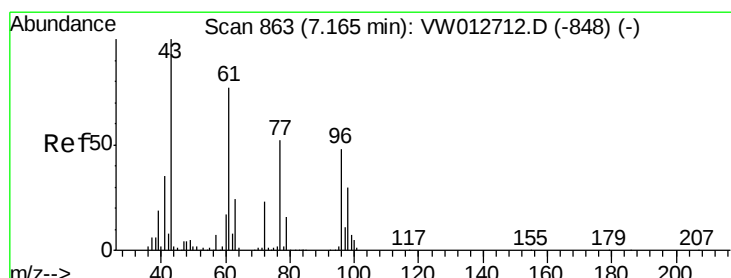
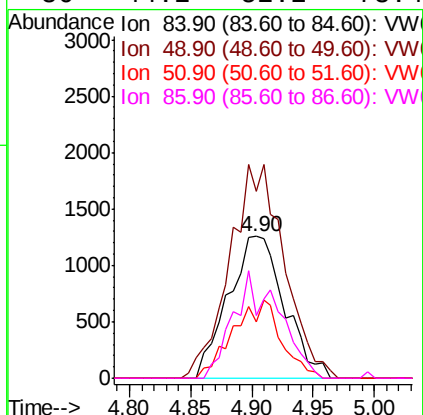
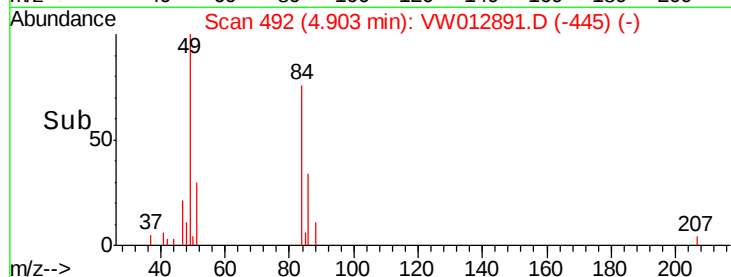
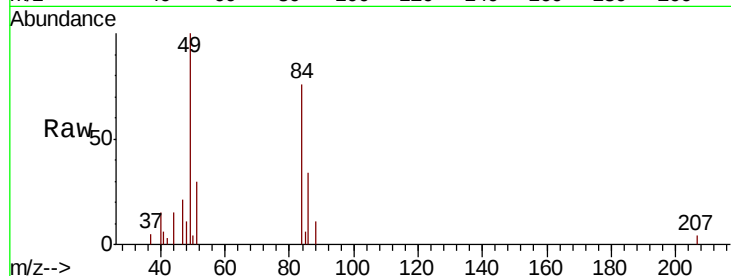




#20
Methylene Chloride
Concen: 5.686 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012891.D
Acq: 11 Sep 2019 01:54

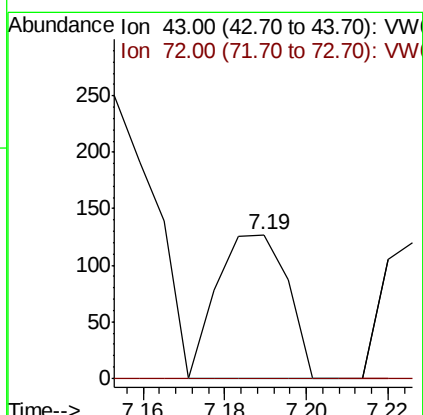
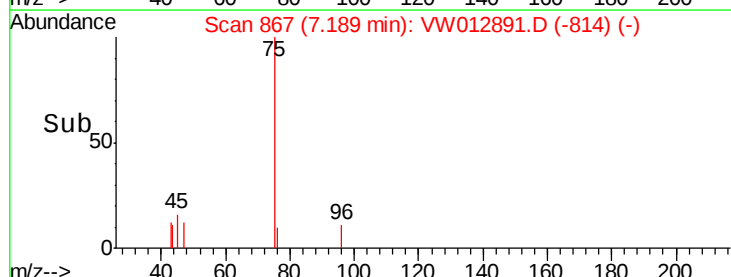
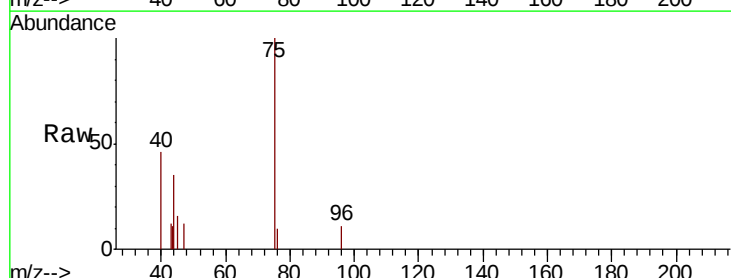
Instrument :
MSVOA_W
ClientSampleId :
WS-SB04-3.0-3.5

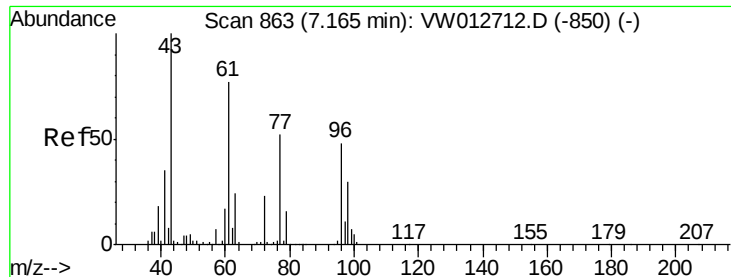
Tgt Ion: 84 Resp: 4019
Ion Ratio Lower Upper
84 100
49 131.5 115.4 173.0
51 40.0 34.9 52.3
86 44.2 52.2 78.4#



#25
2-Butanone
Concen: 20.104 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012891.D
Acq: 11 Sep 2019 01:54

Tgt Ion: 43 Resp: 153
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#





#26

2,2-Dichloropropane

Concen: 1.588 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW012891.D

Acq: 11 Sep 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

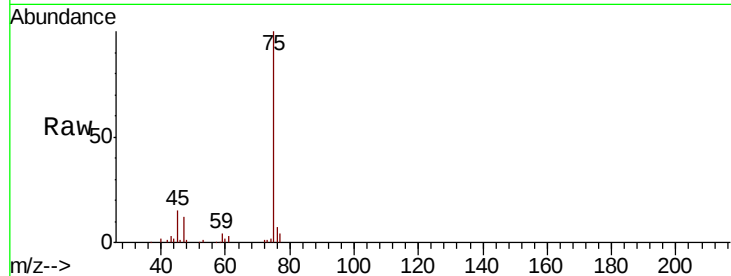
WS-SB04-3.0-3.5

Tgt Ion: 77 Resp: 1357

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.13

600

500

400

300

200

100

0

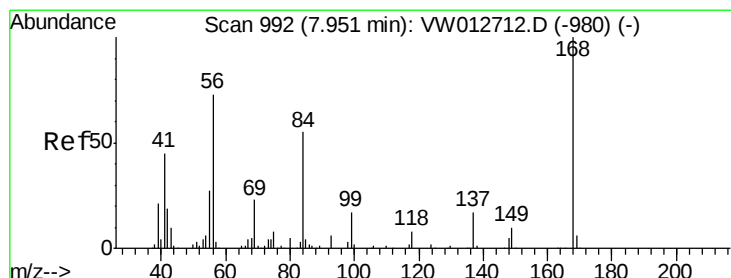
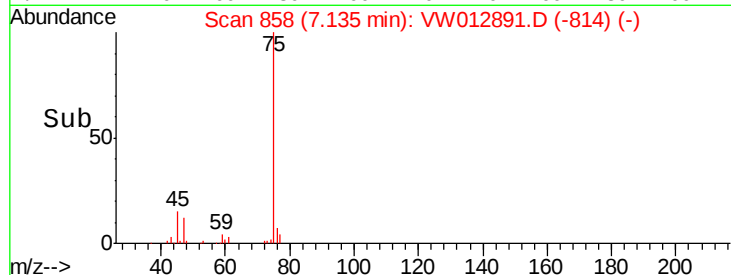
7.05

7.10

7.15

7.20

Time-->



#31

Cyclohexane

Concen: 1.520 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012891.D

Acq: 11 Sep 2019 01:54

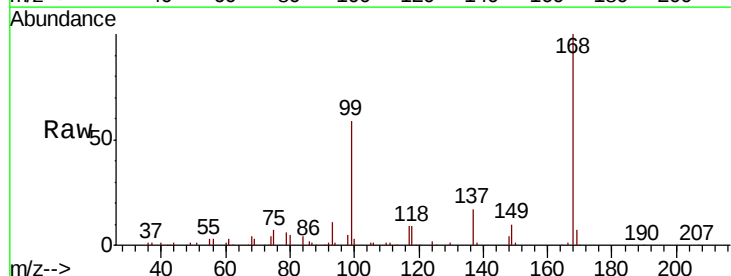
Tgt Ion: 56 Resp: 1852

Ion Ratio Lower Upper

56 100

69 135.8 25.7 38.5#

84 146.7 60.4 90.6#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

1500

1000

500

0

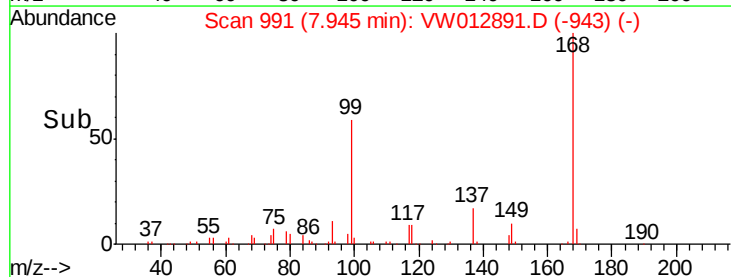
7.85

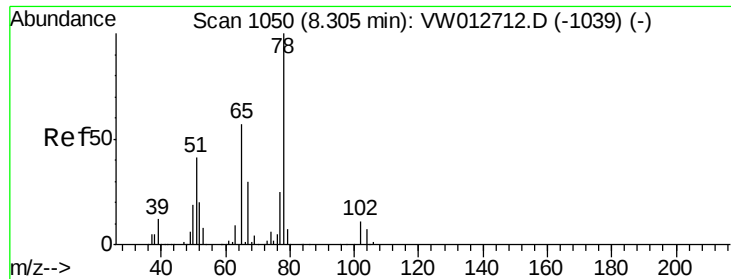
7.90

7.95

8.00

Time-->

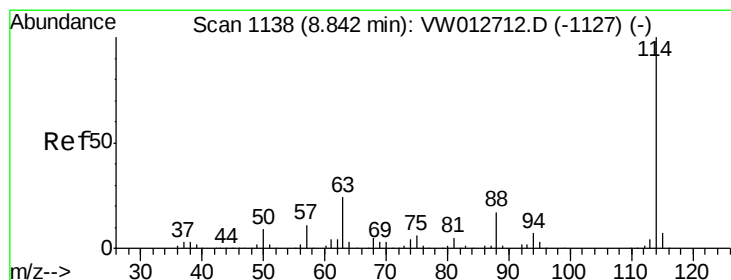
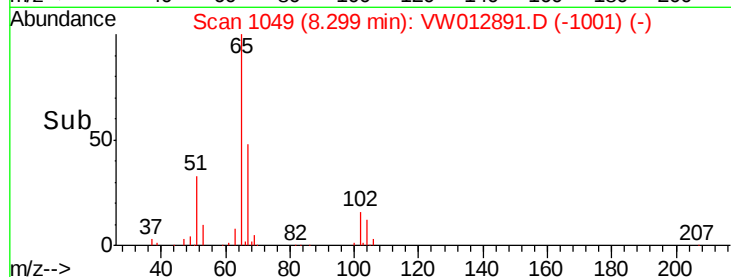
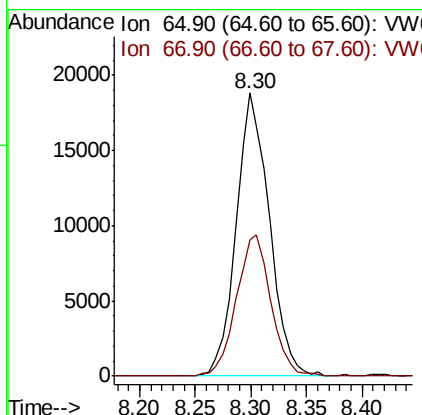
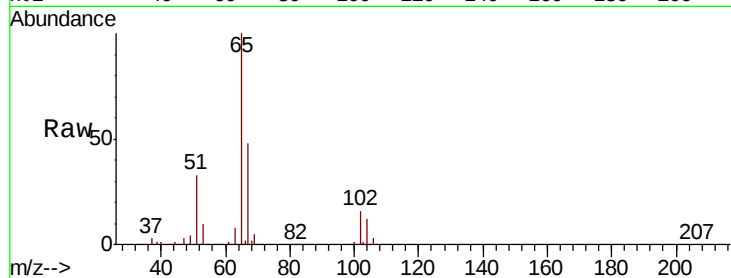




#33
 1,2-Dichloroethane-d4
 Concen: 46.880 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012891.D
 Acq: 11 Sep 2019 01:54

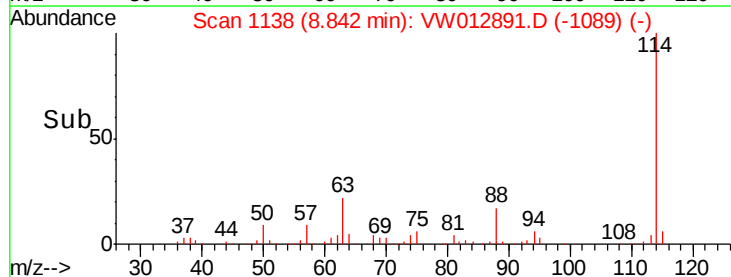
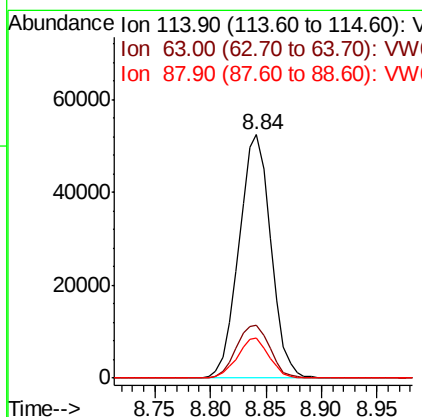
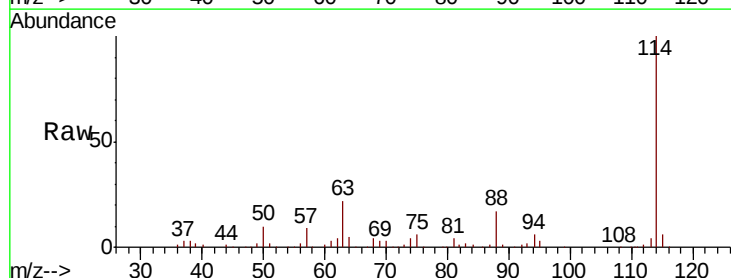
Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB04-3.0-3.5

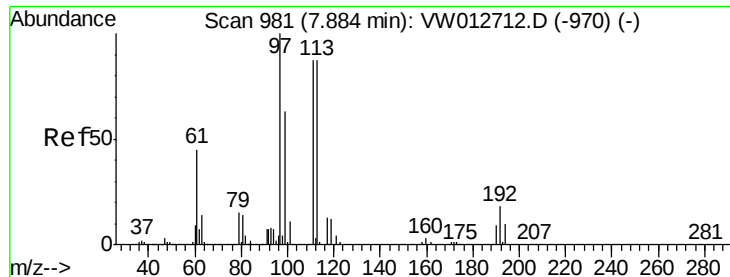
Tgt Ion: 65 Resp: 38854
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012891.D
 Acq: 11 Sep 2019 01:54

Tgt Ion: 114 Resp: 104512
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 47.2
 88 16.7 0.0 34.0

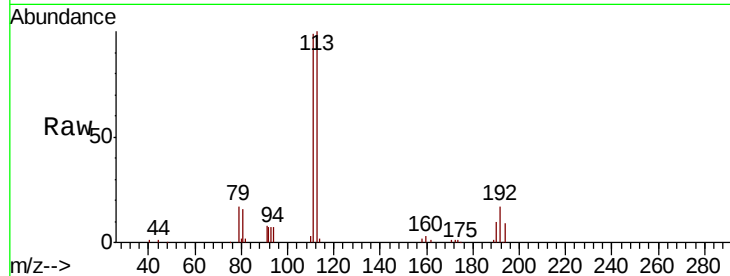




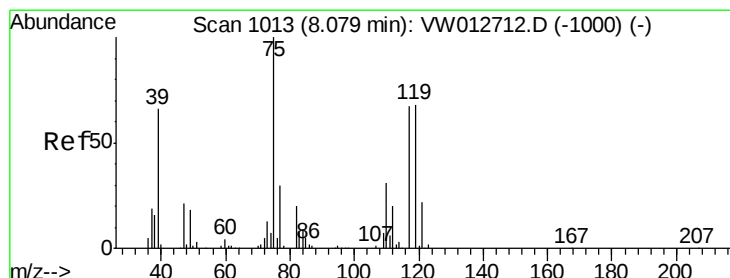
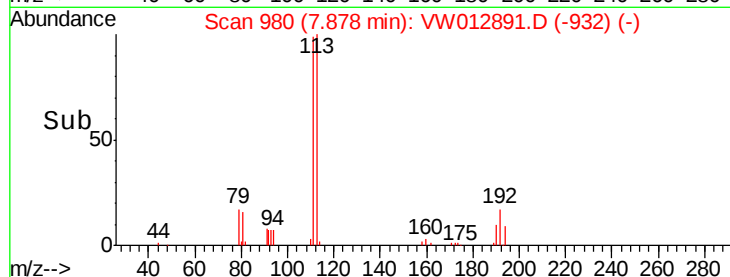
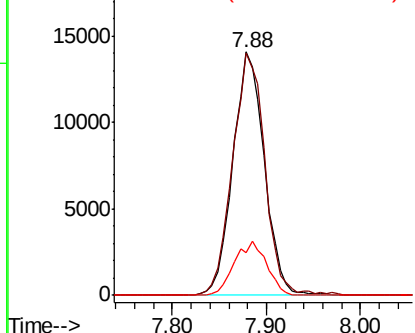
#35
 Dibromofluoromethane
 Concen: 52.436 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012891.D
 Acq: 11 Sep 2019 01:54

Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB04-3.0-3.5

Tgt Ion: 113 Resp: 32581
 Ion Ratio Lower Upper
 113 100
 111 102.1 80.2 120.4
 192 22.7 17.3 25.9

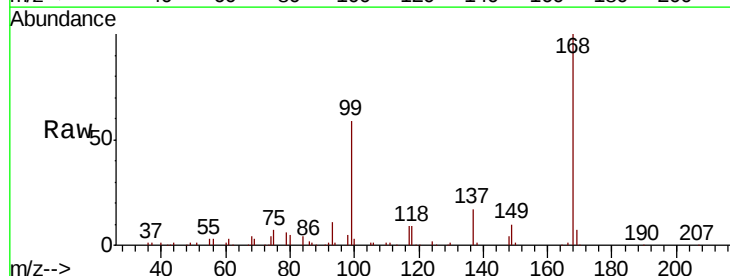


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

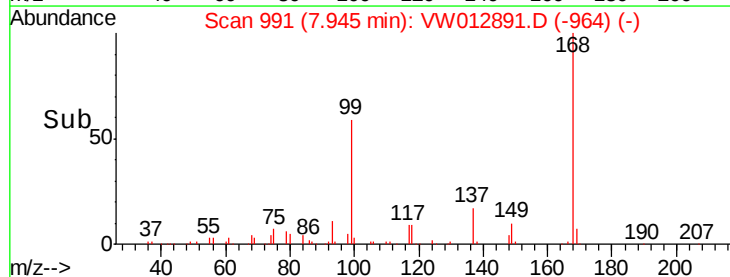
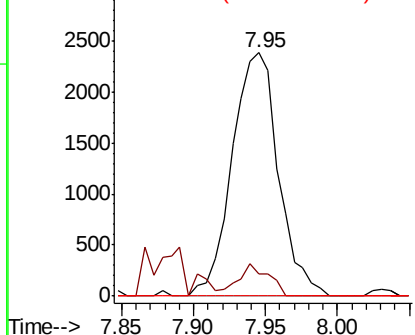


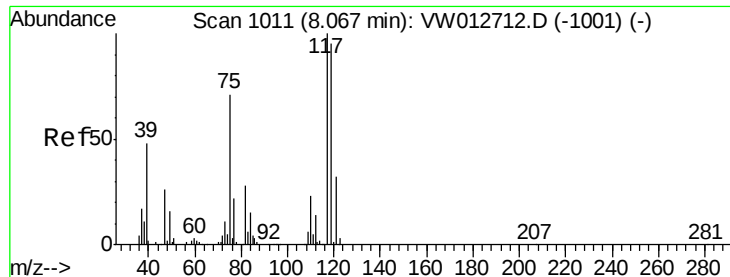
#36
 1,1-Dichloropropene
 Concen: 5.728 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012891.D
 Acq: 11 Sep 2019 01:54

Tgt Ion: 75 Resp: 5319
 Ion Ratio Lower Upper
 75 100
 110 8.3 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: 7.706 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012891.D

Acq: 11 Sep 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

WS-SB04-3.0-3.5

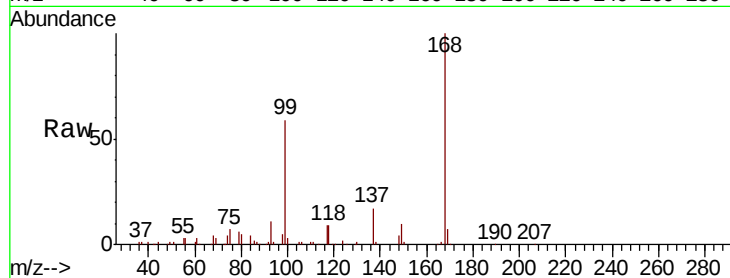
Tgt Ion:117 Resp: 7054

Ion Ratio Lower Upper

117 100

119 4.3 76.2 114.2#

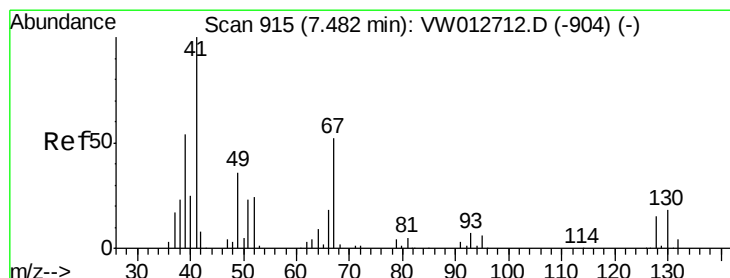
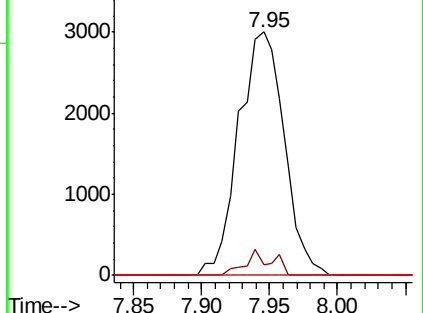
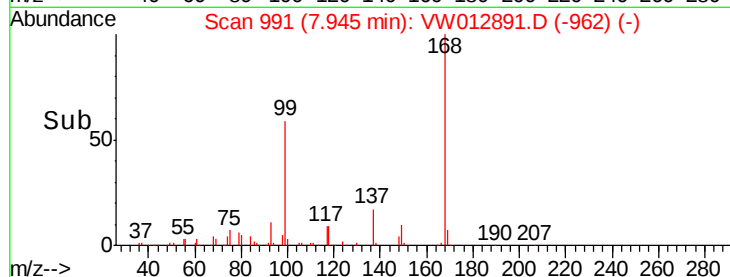
121 0.0 25.4 38.2#



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: 3.901 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW012891.D

Acq: 11 Sep 2019 01:54

Tgt Ion: 41 Resp: 27

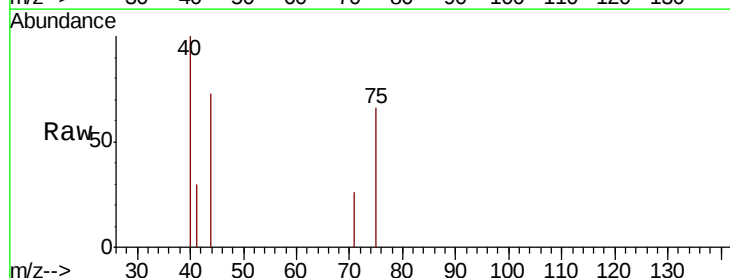
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

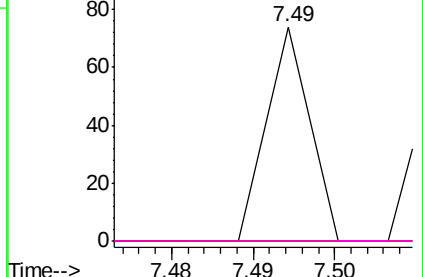
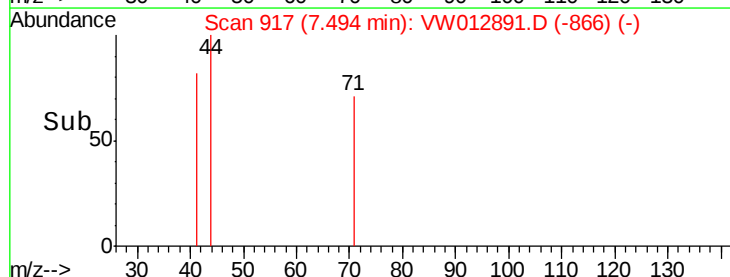


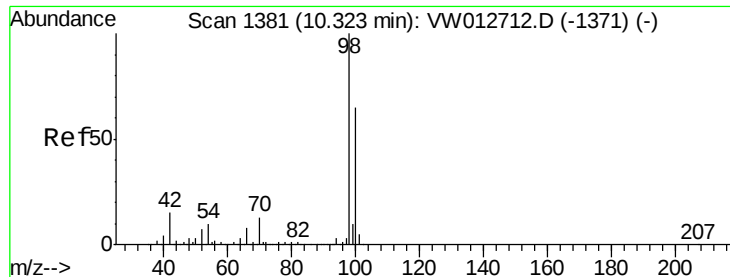
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 50.756 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012891.D

Acq: 11 Sep 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

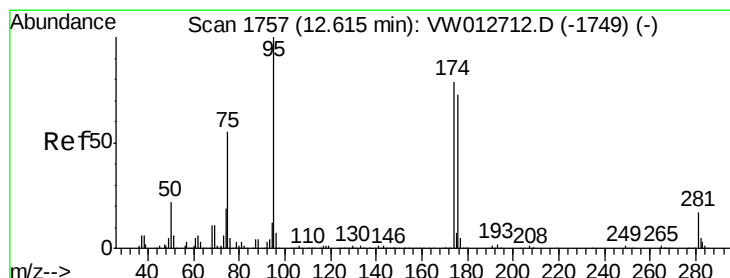
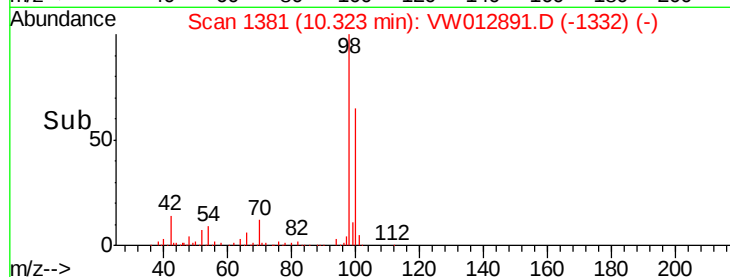
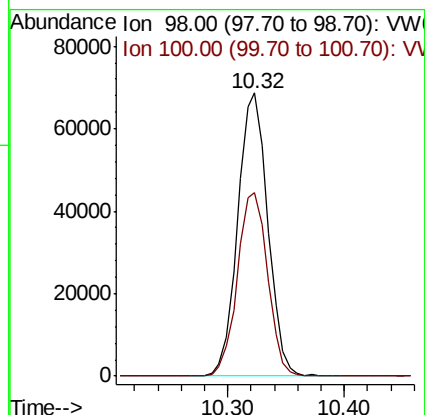
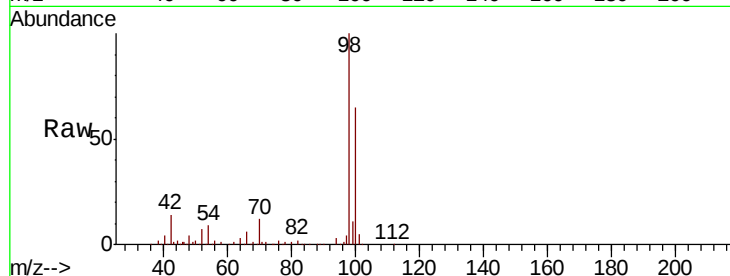
WS-SB04-3.0-3.5

Tgt Ion: 98 Resp: 123556

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 40.190 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012891.D

Acq: 11 Sep 2019 01:54

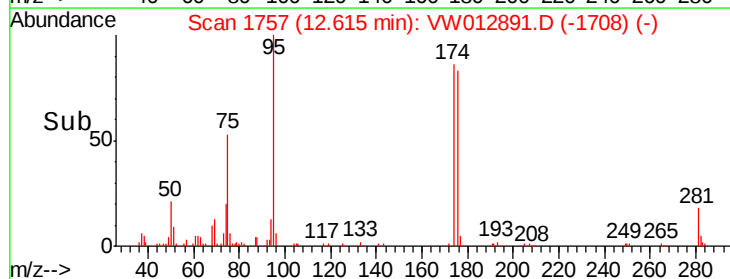
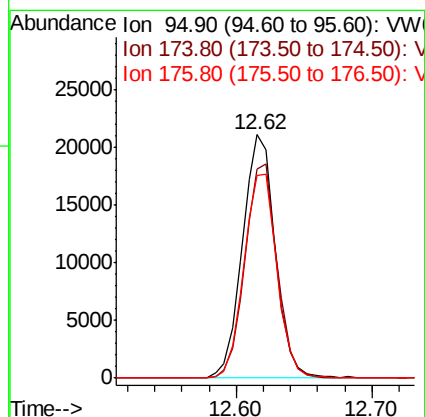
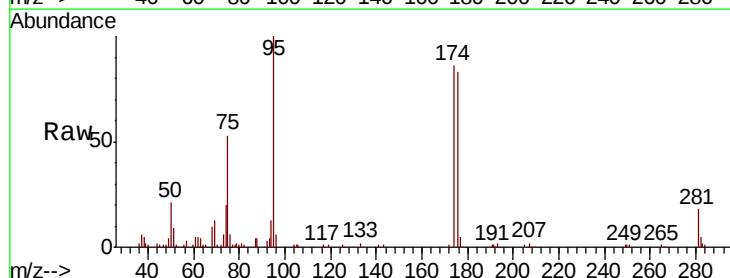
Tgt Ion: 95 Resp: 35517

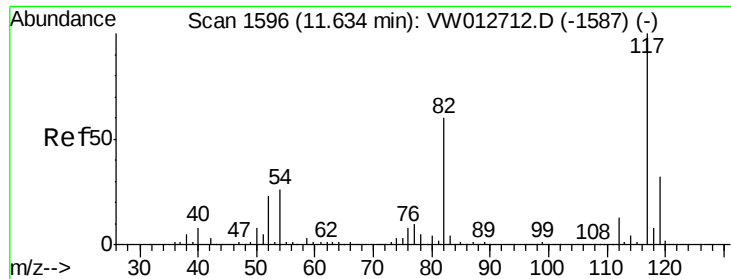
Ion Ratio Lower Upper

95 100

174 86.2 0.0 161.0

176 84.4 0.0 156.4

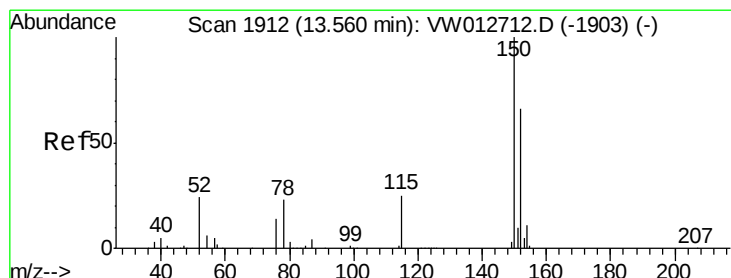
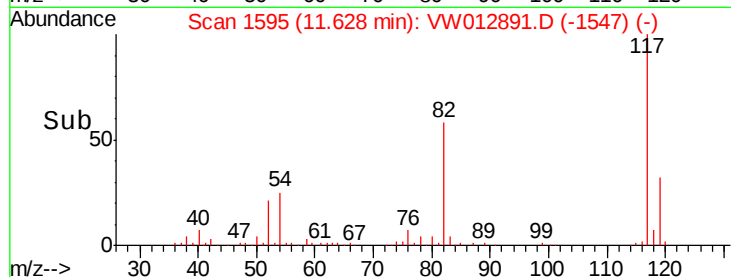
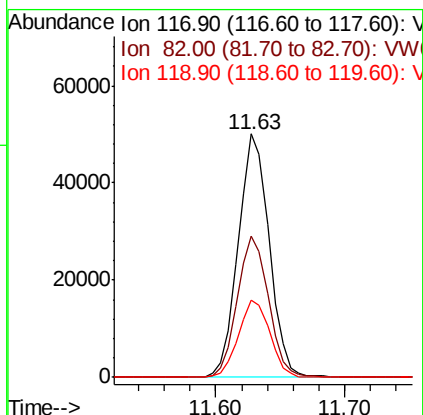
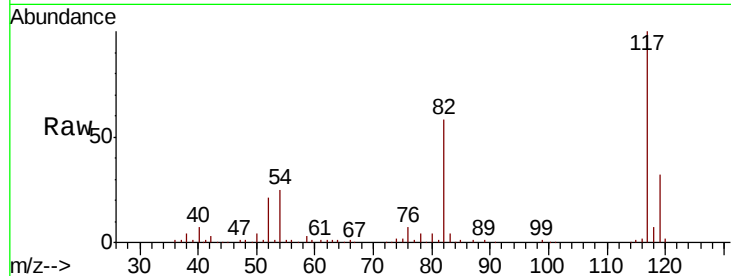




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012891.D
Acq: 11 Sep 2019 01:54

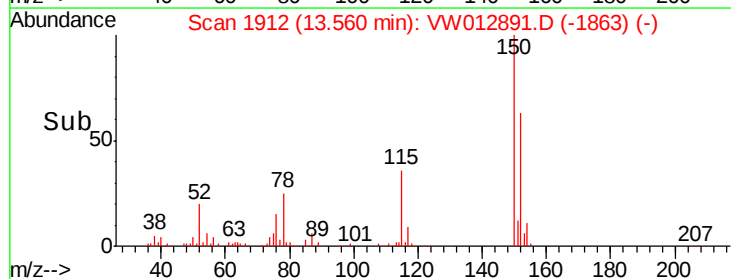
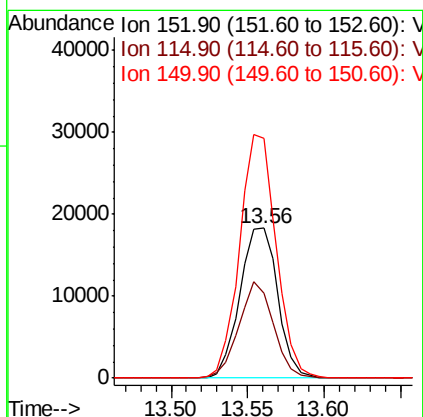
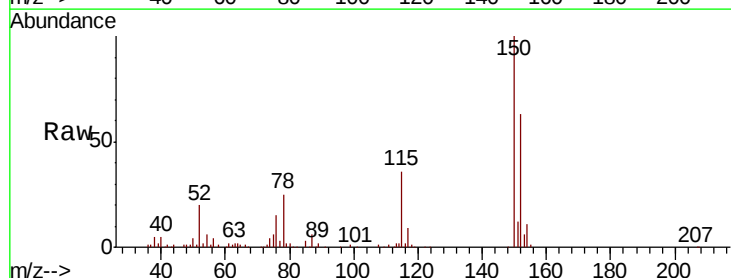
Instrument :
MSVOA_W
ClientSampleId :
WS-SB04-3.0-3.5

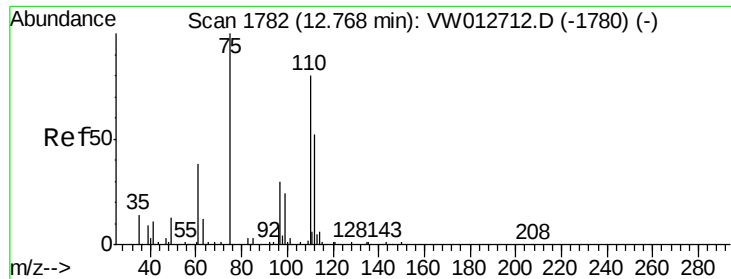
Tgt Ion:117 Resp: 83395
Ion Ratio Lower Upper
117 100
82 58.2 48.2 72.4
119 31.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012891.D
Acq: 11 Sep 2019 01:54

Tgt Ion:152 Resp: 31464
Ion Ratio Lower Upper
152 100
115 58.6 30.0 90.1
150 156.6 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 58.381 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012891.D

Acq: 11 Sep 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

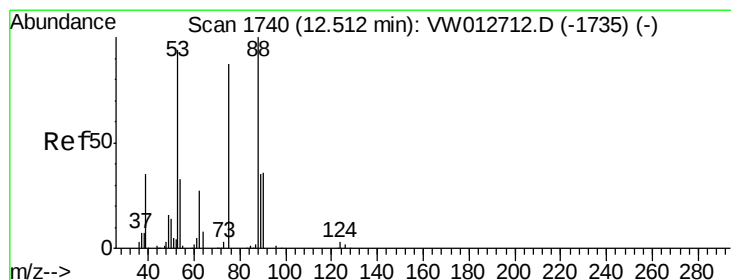
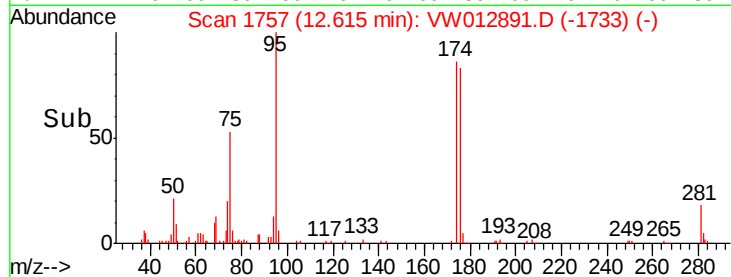
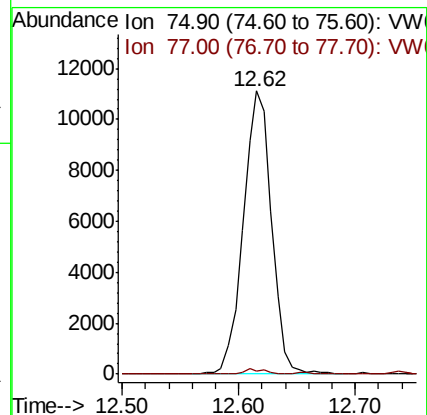
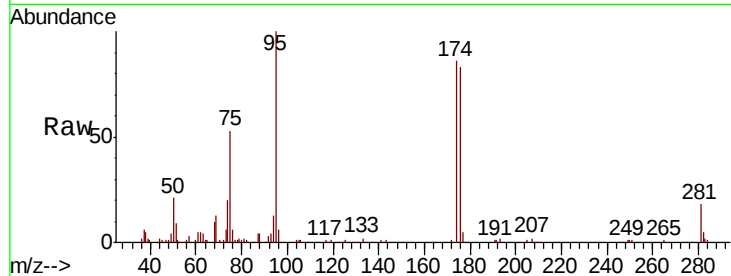
WS-SB04-3.0-3.5

Tgt Ion: 75 Resp: 18783

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.479 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012891.D

Acq: 11 Sep 2019 01:54

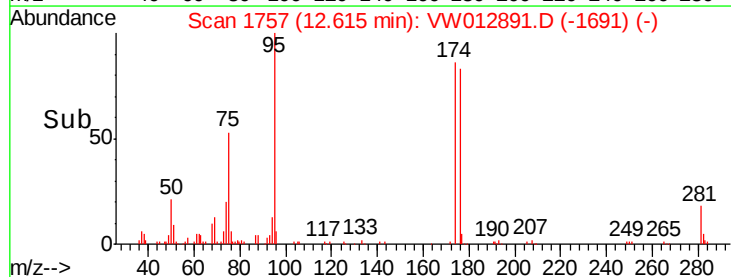
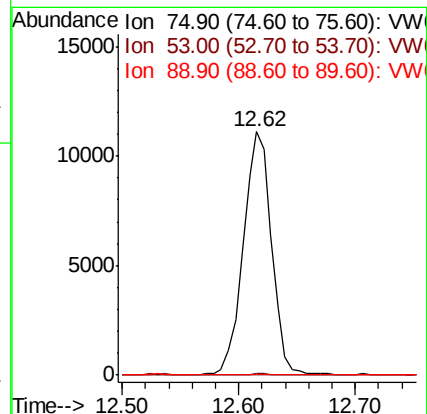
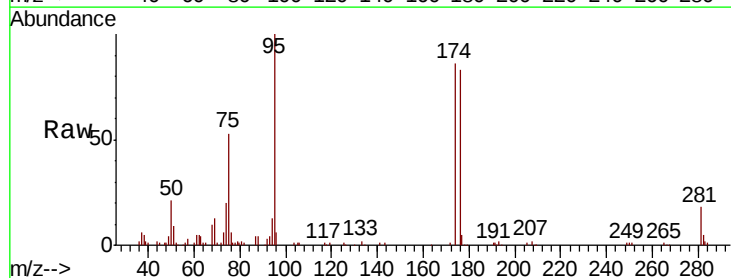
Tgt Ion: 75 Resp: 18783

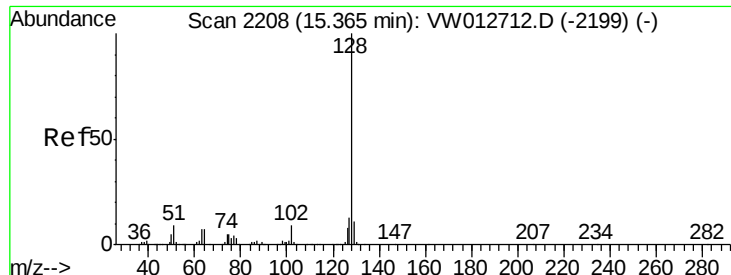
Ion Ratio Lower Upper

75 100

53 0.3 87.6 131.4#

89 0.0 35.5 53.3#





#95

Naphthalene

Concen: 4.524 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012891.D

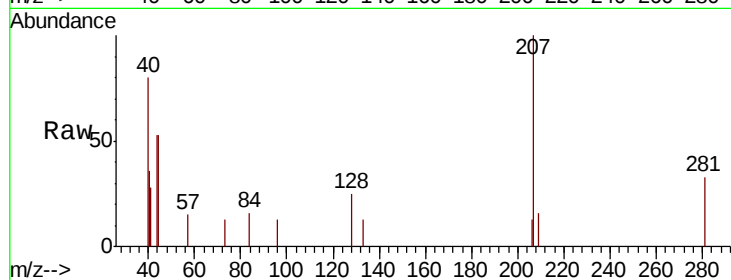
Acq: 11 Sep 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

WS-SB04-3.0-3.5



Tgt Ion:	128	Resp:	123
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#

