

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012865.D
 Acq On : 10 Sep 2019 12:58
 Operator : SY/VA
 Sample : K4679-07
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB11-8.5-9.0

Quant Time: Sep 10 15:02:44 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	210800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	311254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	256334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106966	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	96170	40.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.66%	
35) Dibromofluoromethane	7.88	113	88708	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	10.32	98	367891	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.62	95	111833	42.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.98%	

Target Compounds

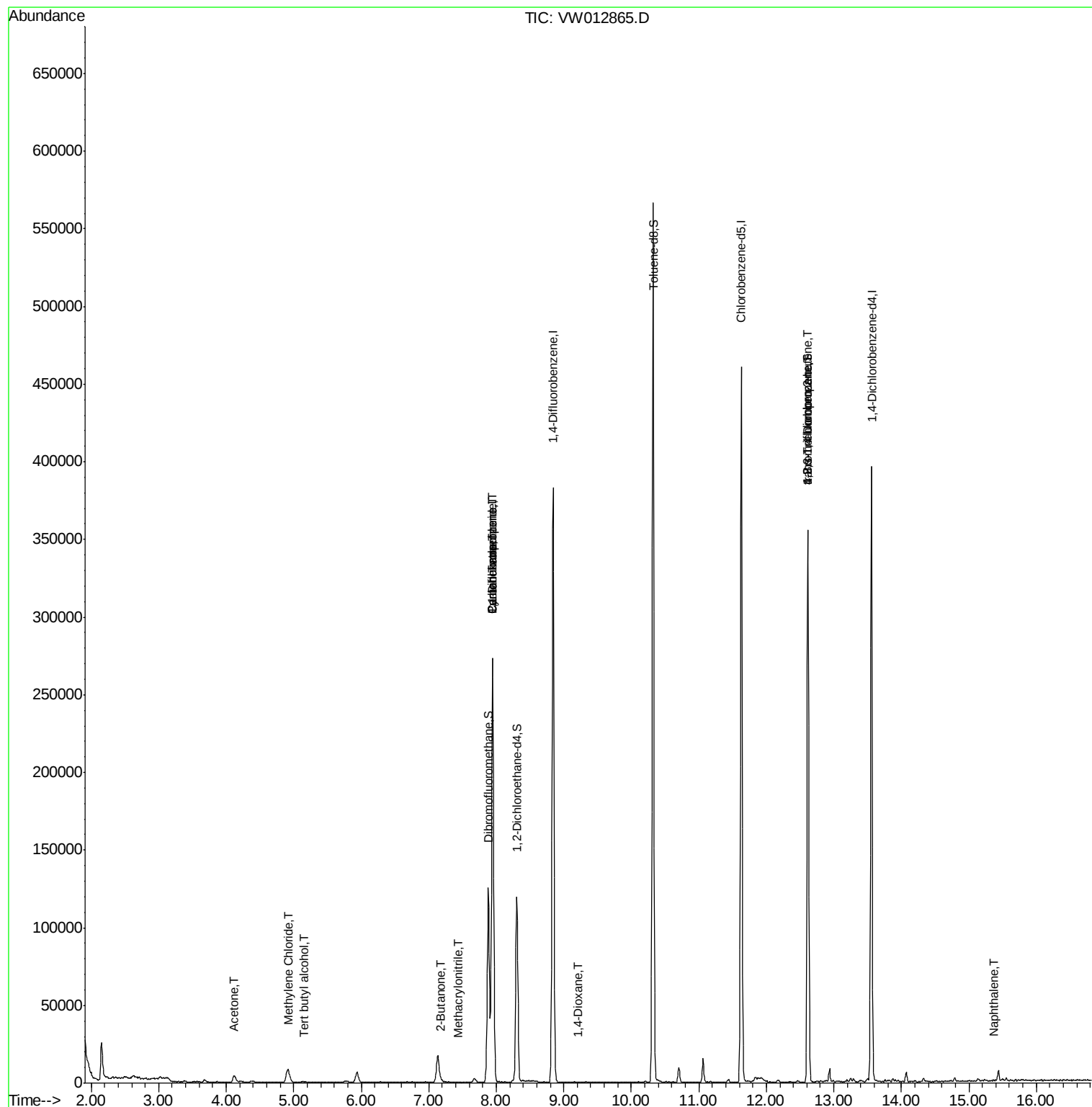
					Qvalue	
11) Tert butyl alcohol	5.16	59	457	2.536	ug/l #	72
16) Acetone	4.11	43	8632	13.443	ug/l	95
20) Methylene Chloride	4.92	84	7069	3.519	ug/l #	88
25) 2-Butanone	7.18	43	2360	21.980	ug/l #	85
31) Cyclohexane	7.95	56	4357	1.258	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15834	5.725	ug/l #	53
38) Carbon Tetrachloride	7.95	117	19302	7.080	ug/l #	17
41) Methacrylonitrile	7.43	41	43	3.872	ug/l #	1
49) 1,4-Dioxane	9.21	88	22	1.105	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	58496	53.481	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	58496	113.116	ug/l #	6
95) Naphthalene	15.37	128	808	4.603	ug/l #	69

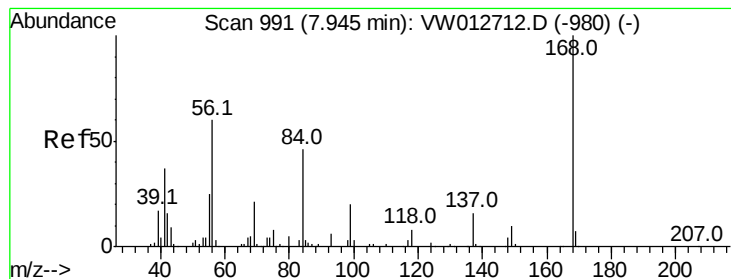
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012865.D

Acq: 10 Sep 2019 12:58

Instrument :

MSVOA_W

ClientSampleId :

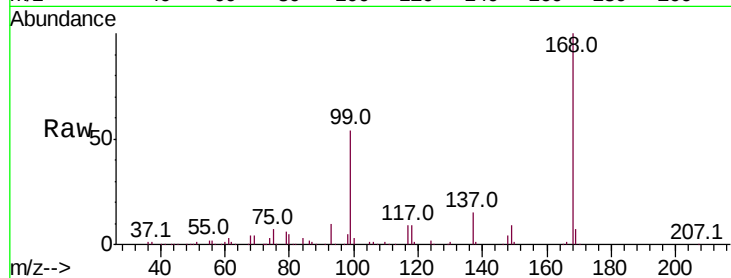
WS-SB11-8.5-9.0

Tot Ion:168 Resp: 210800

Ion Ratio Lower Upper

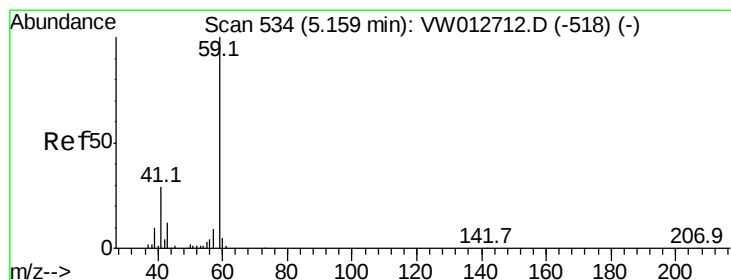
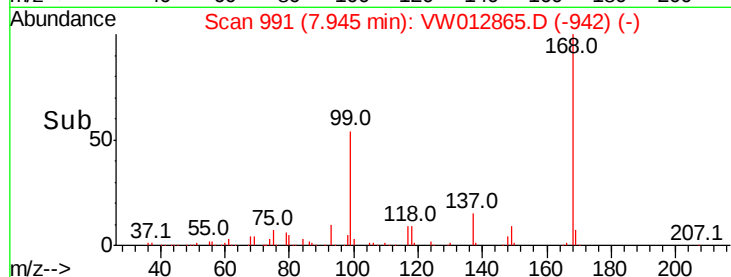
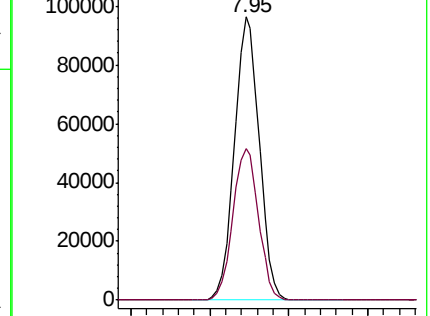
168 100

99 53.7 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: 2.536 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.00 min

Lab File: VW012865.D

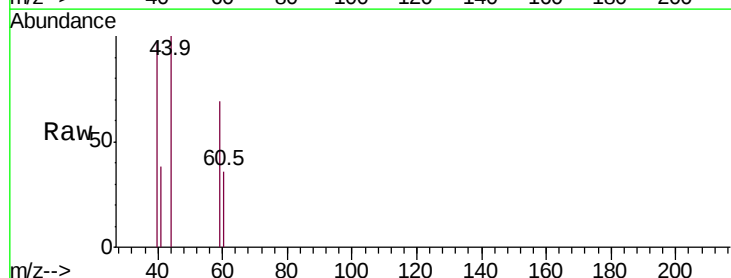
Acq: 10 Sep 2019 12:58

Tgt Ion: 59 Resp: 457

Ion Ratio Lower Upper

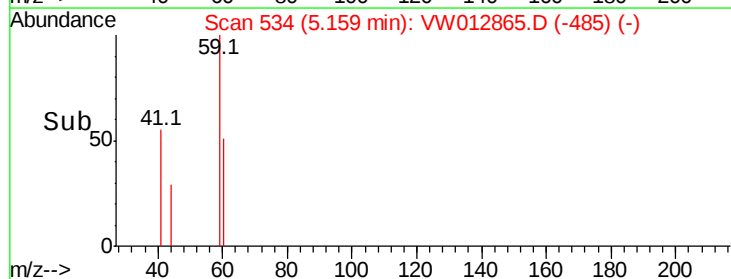
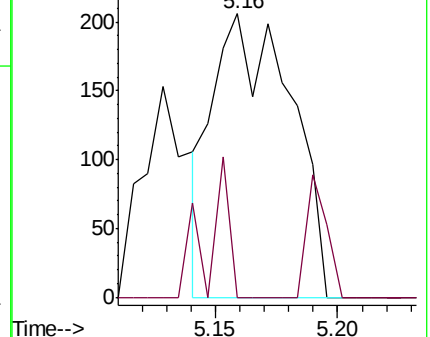
59 100

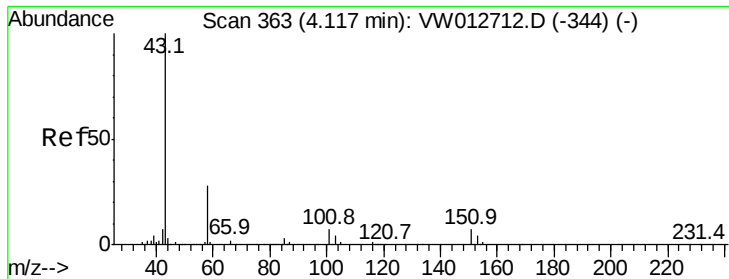
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 13.443 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW012865.D

Acq: 10 Sep 2019 12:58

Instrument :

MSVOA_W

ClientSampleId :

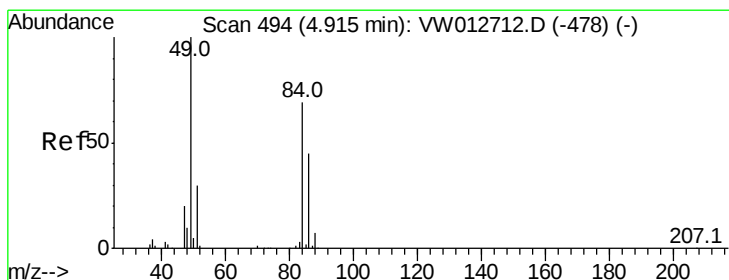
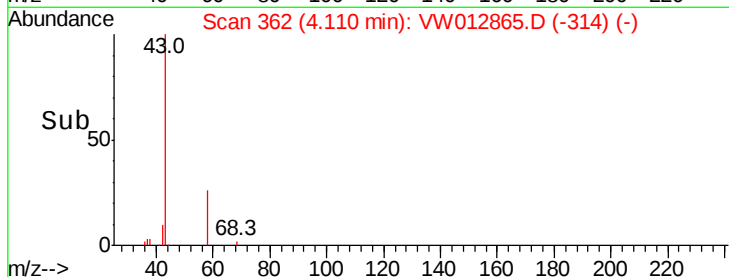
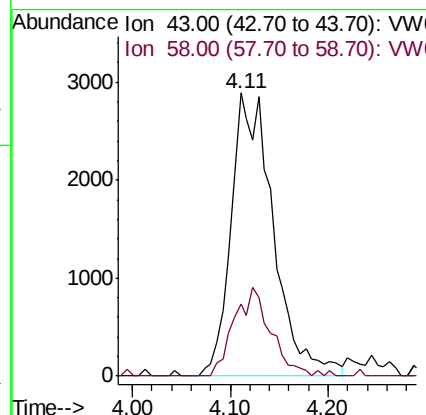
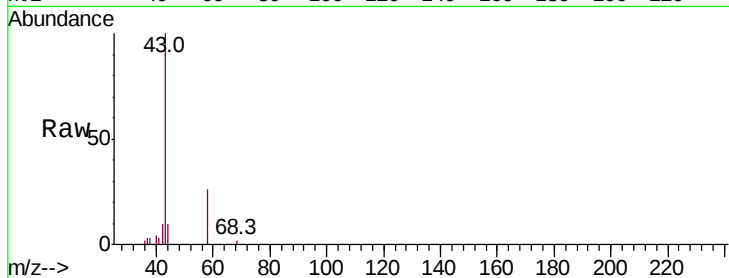
WS-SB11-8.5-9.0

Tot Ion: 43 Resp: 8632

Ion Ratio Lower Upper

43 100

58 25.6 22.6 33.8



#20

Methylene Chloride

Concen: 3.519 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW012865.D

Acq: 10 Sep 2019 12:58

Tgt Ion: 84 Resp: 7069

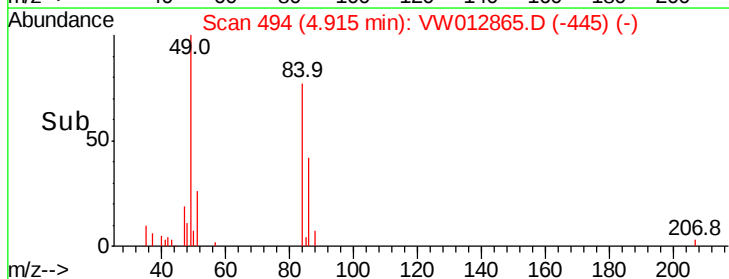
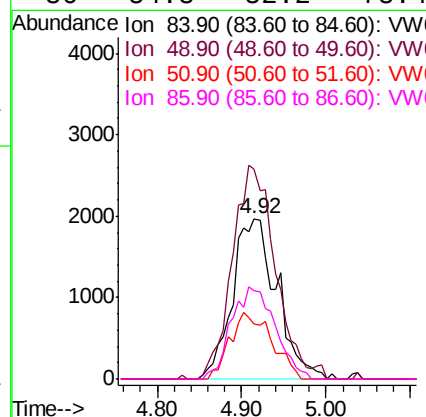
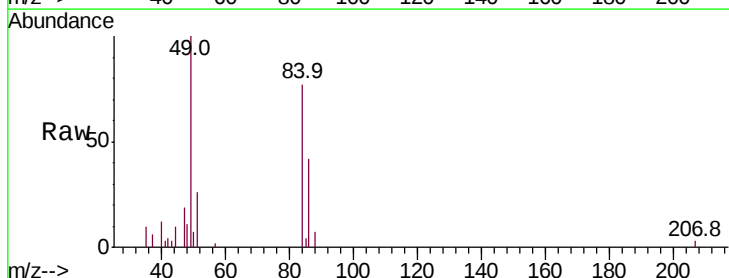
Ion Ratio Lower Upper

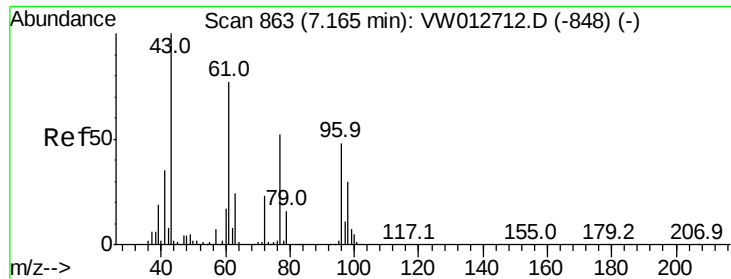
84 100

49 130.5 115.4 173.0

51 34.2 34.9 52.3#

86 54.8 52.2 78.4





#25

2-Butanone

Concen: 21.980 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012865.D

Acq: 10 Sep 2019 12:58

Instrument :

MSVOA_W

ClientSampleId :

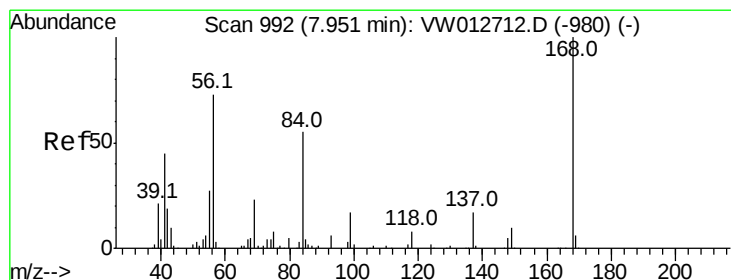
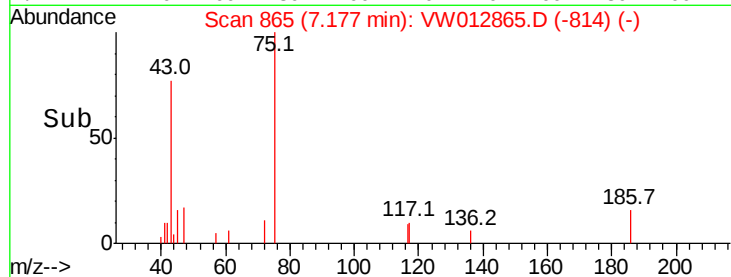
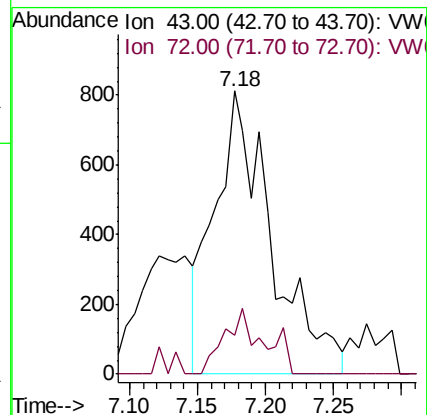
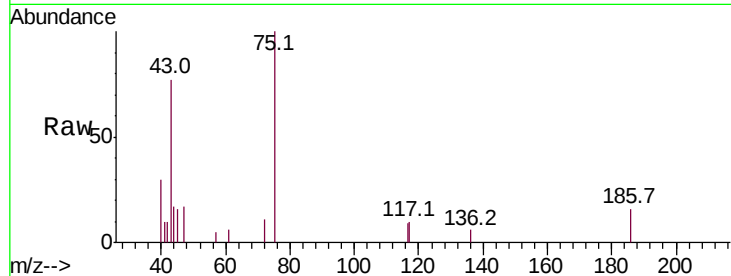
WS-SB11-8.5-9.0

Tot Ion: 43 Resp: 2360

Ion Ratio Lower Upper

43 100

72 15.1 18.0 27.0#



#31

Cyclohexane

Concen: 1.258 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012865.D

Acq: 10 Sep 2019 12:58

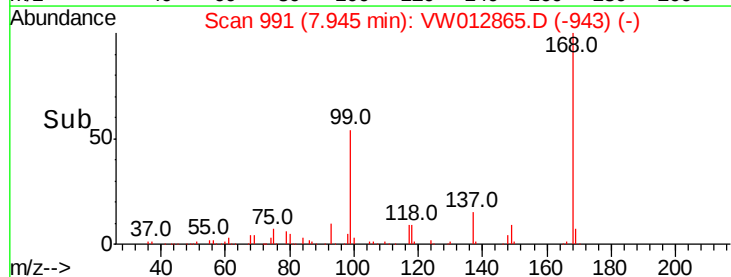
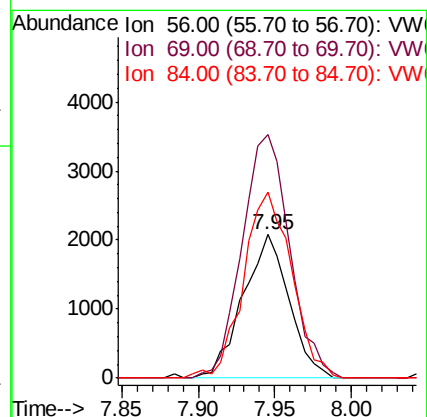
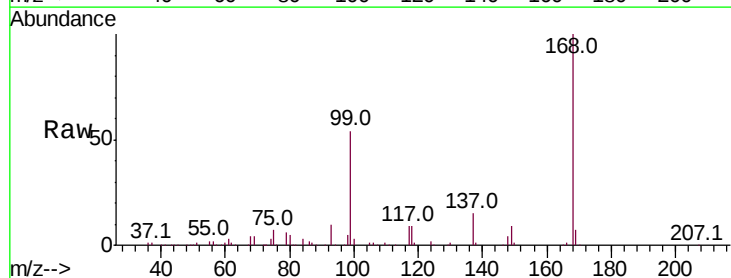
Tgt Ion: 56 Resp: 4357

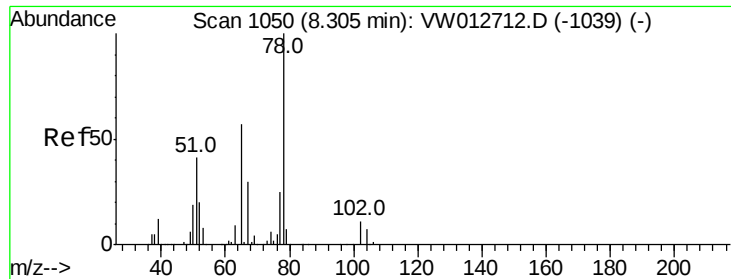
Ion Ratio Lower Upper

56 100

69 169.6 25.7 38.5#

84 129.6 60.4 90.6#





#33

1,2-Dichloroethane-d4

Concen: 40.831 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012865.D

Acq: 10 Sep 2019 12:58

Instrument :

MSVOA_W

ClientSampleId :

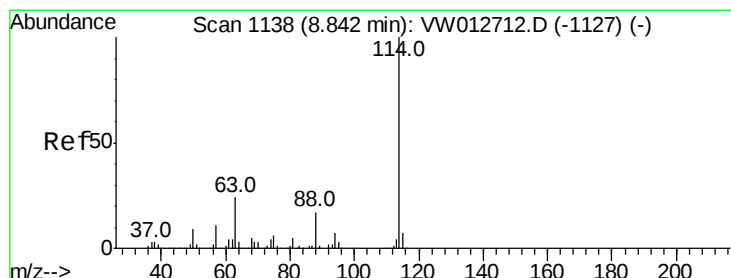
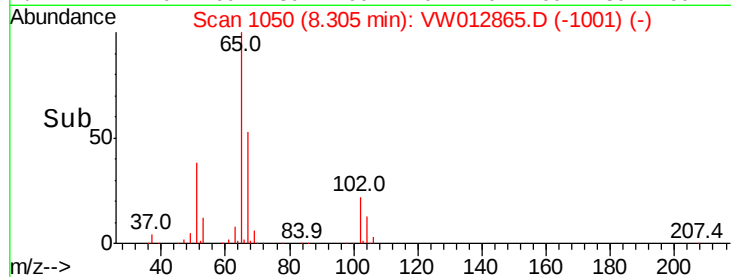
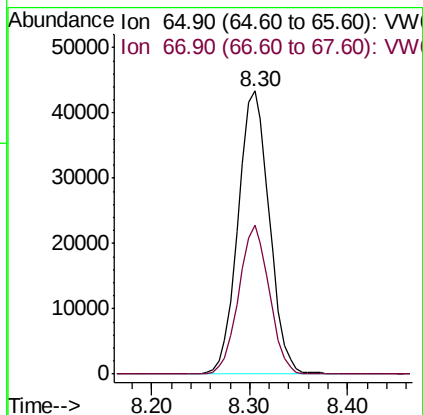
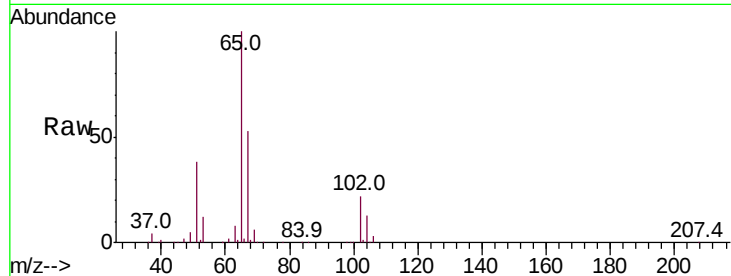
WS-SB11-8.5-9.0

Tot Ion: 65 Resp: 96170

Ion Ratio Lower Upper

65 100

67 51.5 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: VW012865.D

Acq: 10 Sep 2019 12:58

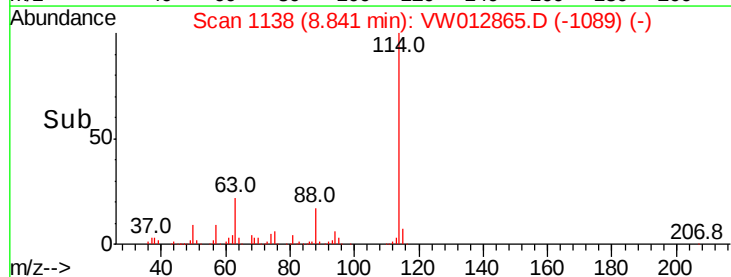
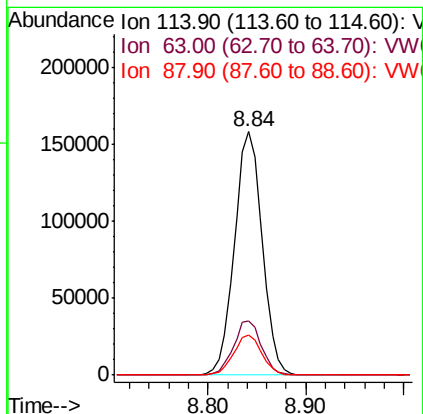
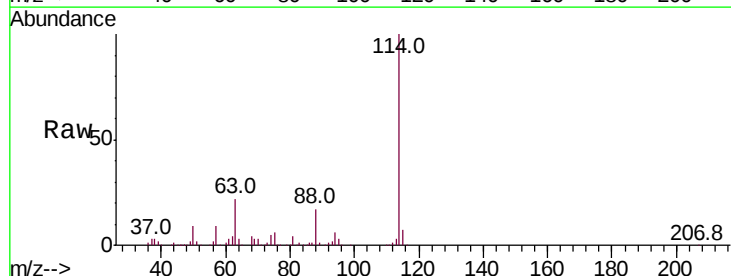
Tgt Ion: 114 Resp: 311254

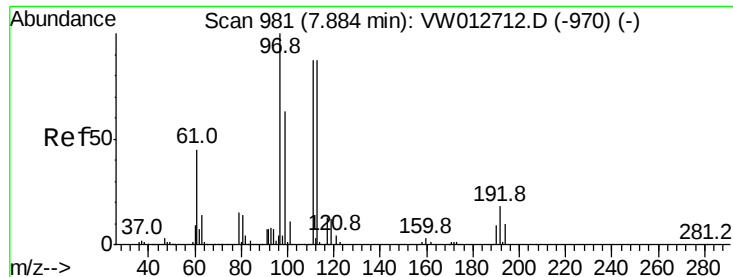
Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.2

88 16.6 0.0 34.0

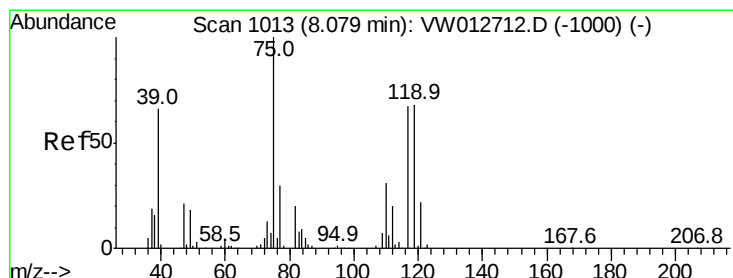
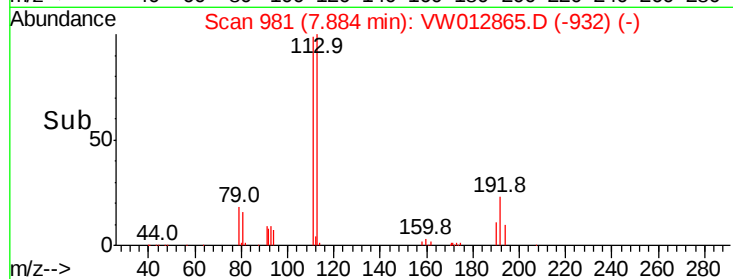
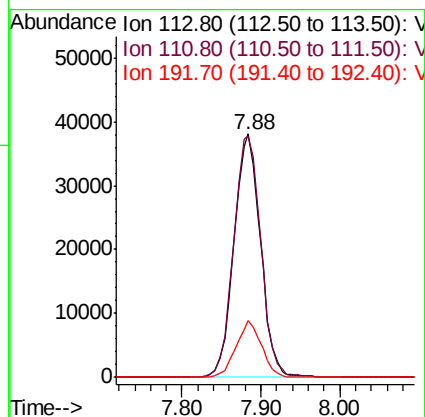
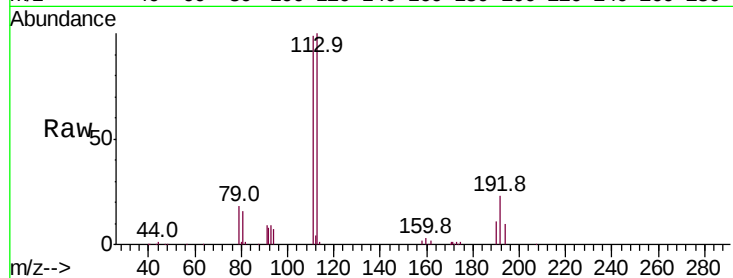




#35
 Dibromofluoromethane
 Concen: 47.938 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012865.D
 Acq: 10 Sep 2019 12:58

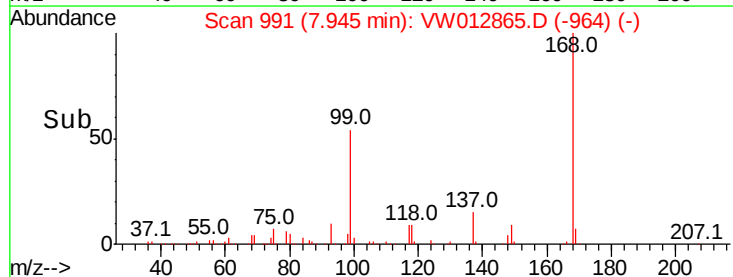
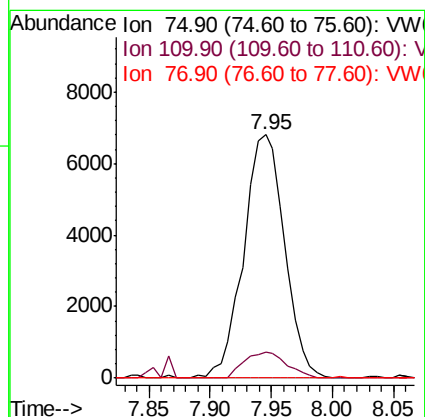
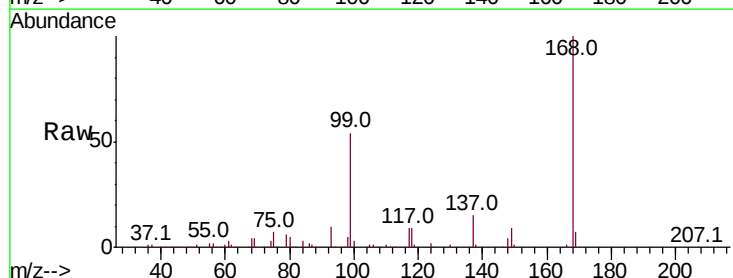
Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB11-8.5-9.0

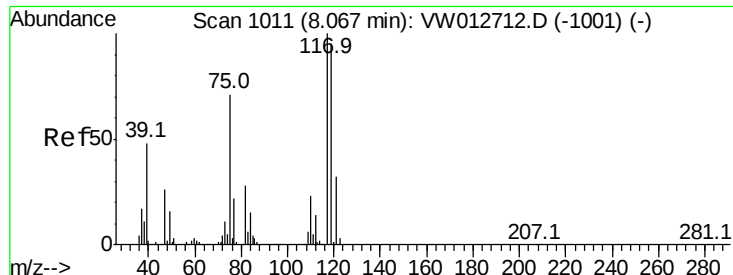
Tot Ion:113 Resp: 88708
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.2 120.4
 192 22.3 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 5.725 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012865.D
 Acq: 10 Sep 2019 12:58

Tgt Ion: 75 Resp: 15834
 Ion Ratio Lower Upper
 75 100
 110 10.9 15.9 47.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.080 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012865.D

Acq: 10 Sep 2019 12:58

Instrument :

MSVOA_W

ClientSampleId :

WS-SB11-8.5-9.0

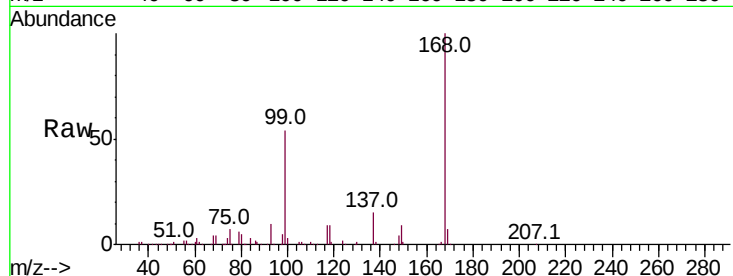
Tot Ion:117 Resp: 19302

Ion Ratio Lower Upper

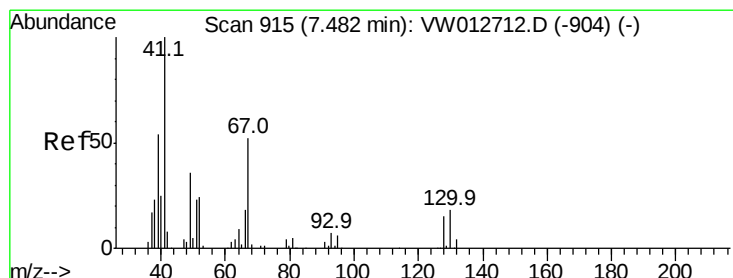
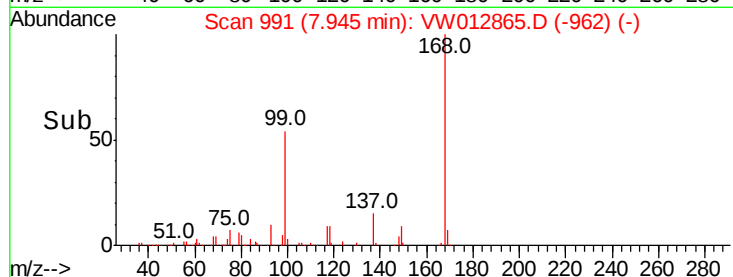
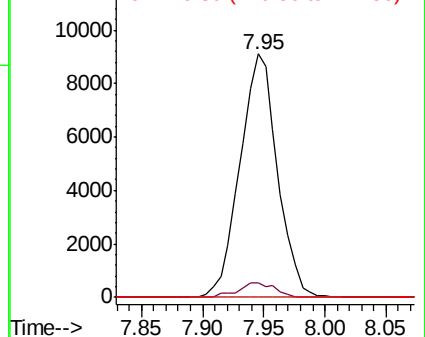
117 100

119 6.0 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: 3.872 ug/l

RT: 7.43 min Scan# 907

Delta R.T. -0.05 min

Lab File: VW012865.D

Acq: 10 Sep 2019 12:58

Tgt Ion: 41 Resp: 43

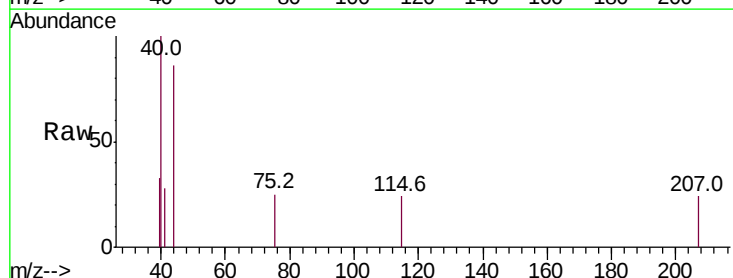
Ion Ratio Lower Upper

41 100

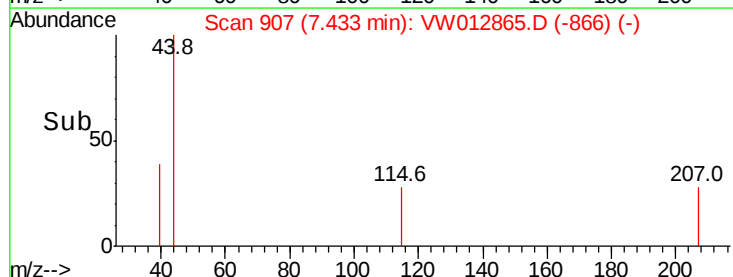
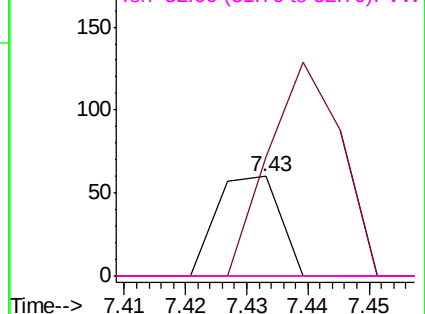
39 246.5 47.5 71.3#

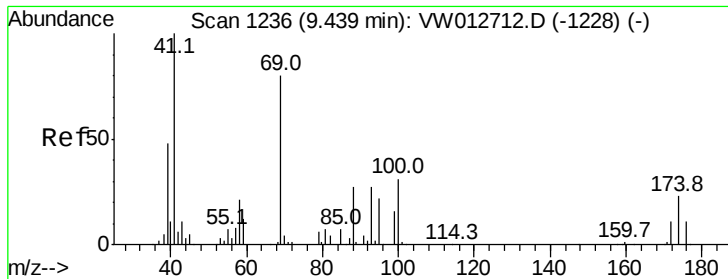
67 0.0 45.1 67.7#

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





#49

1,4-Dioxane

Concen: 1.105 ug/l

RT: 9.21 min Scan# 1199

Delta R.T. -0.23 min

Lab File: VW012865.D

Acq: 10 Sep 2019 12:58

Instrument :

MSVOA_W

ClientSampleId :

WS-SB11-8.5-9.0

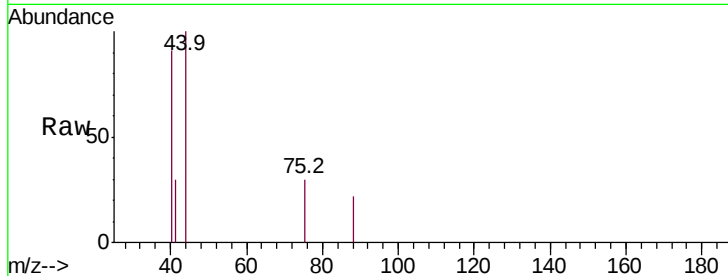
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 34.8 52.2#

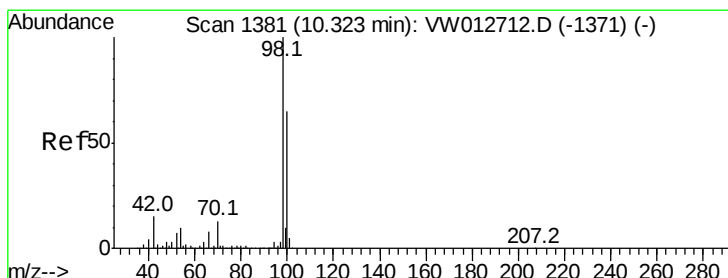
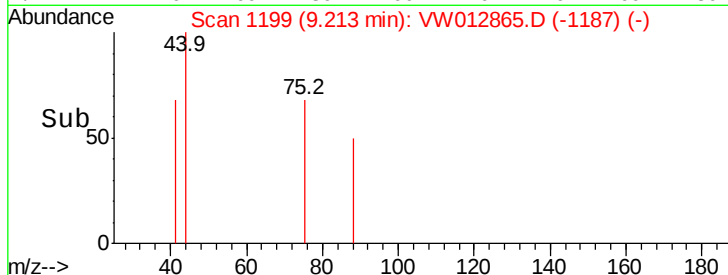
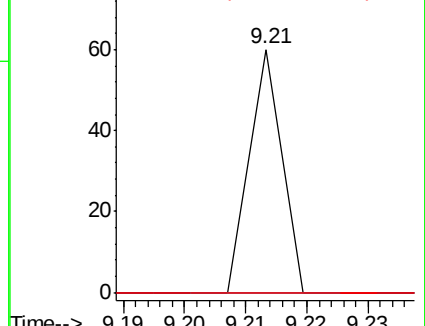
58 0.0 64.1 96.1#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.745 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012865.D

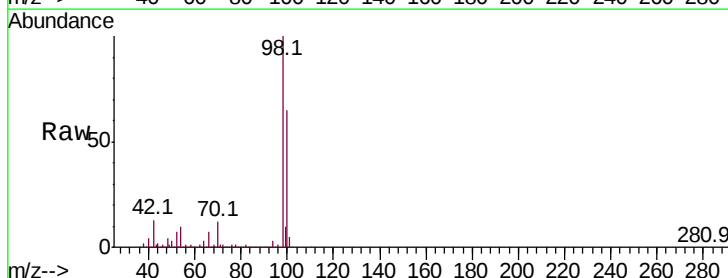
Acq: 10 Sep 2019 12:58

Tgt Ion: 98 Resp: 367891

Ion Ratio Lower Upper

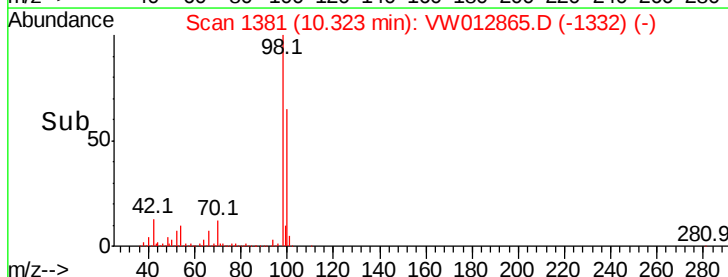
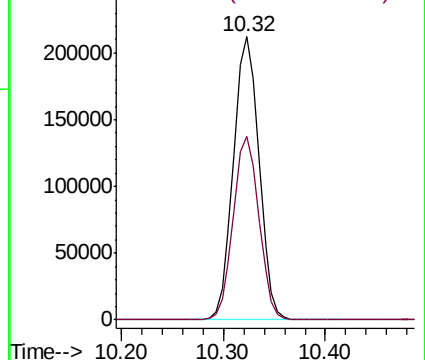
98 100

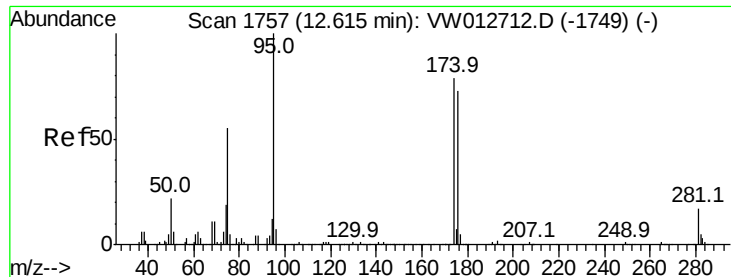
100 65.0 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

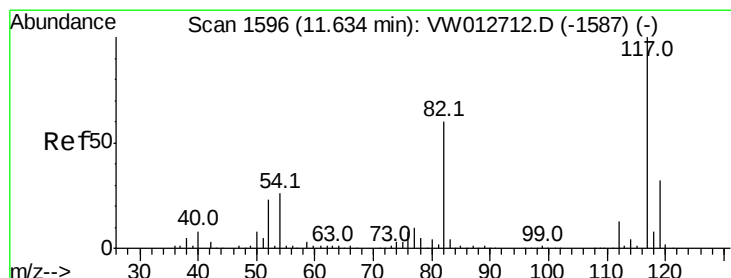
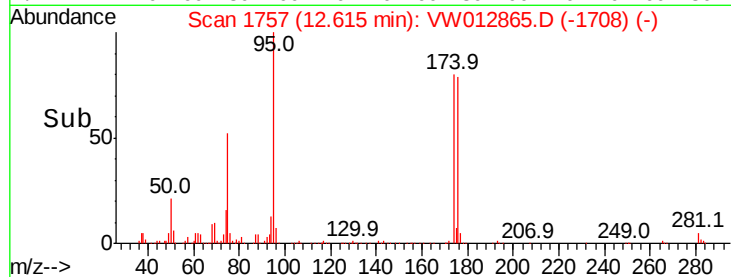
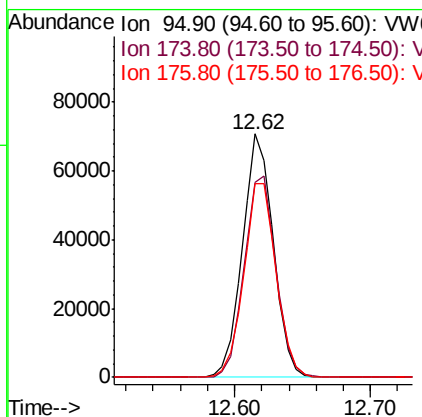
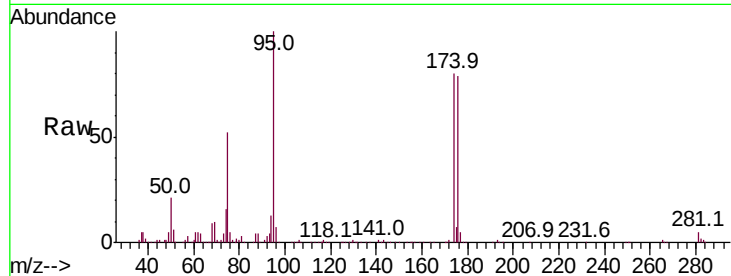




#62
4-Bromofluorobenzene
Concen: 42.491 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012865.D
Acq: 10 Sep 2019 12:58

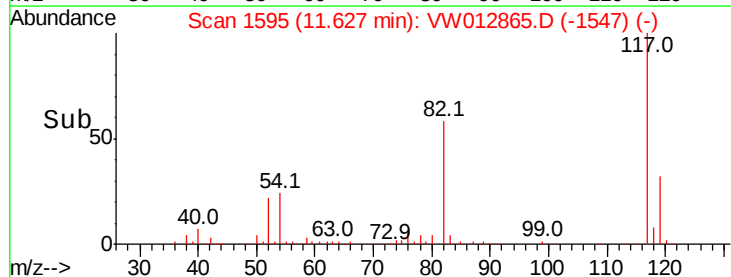
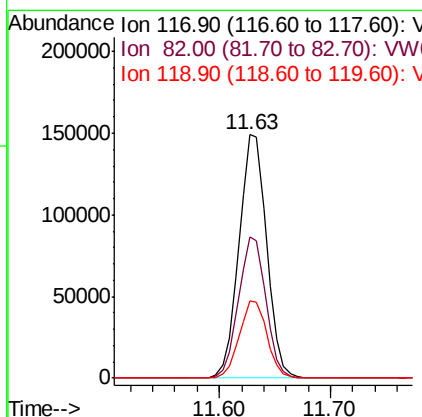
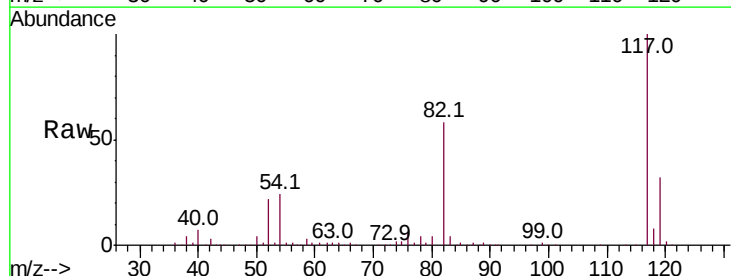
Instrument :
MSVOA_W
ClientSampleId :
WS-SB11-8.5-9.0

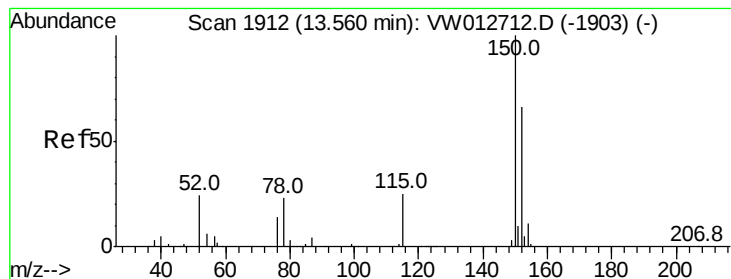
Tot Ion	95	Resp	111833
Ion Ratio	Lower	Upper	
95	100		
174	85.7	0.0	161.0
176	83.8	0.0	156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012865.D
Acq: 10 Sep 2019 12:58

Tgt Ion	117	Resp	256334
Ion Ratio	Lower	Upper	
117	100		
82	57.8	48.2	72.4
119	31.7	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: VW012865.D

Acq: 10 Sep 2019 12:58

Instrument :

MSVOA_W

ClientSampleId :

WS-SB11-8.5-9.0

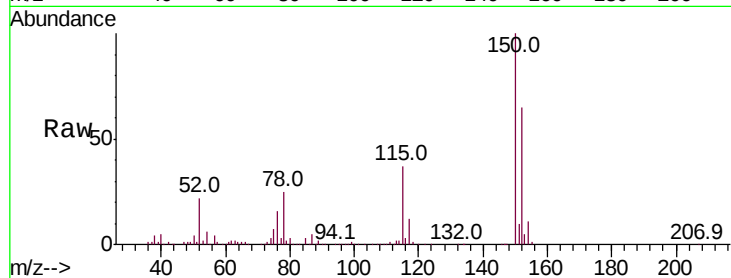
Tot Ion:152 Resp: 106966

Ion Ratio Lower Upper

152 100

115 57.6 30.0 90.1

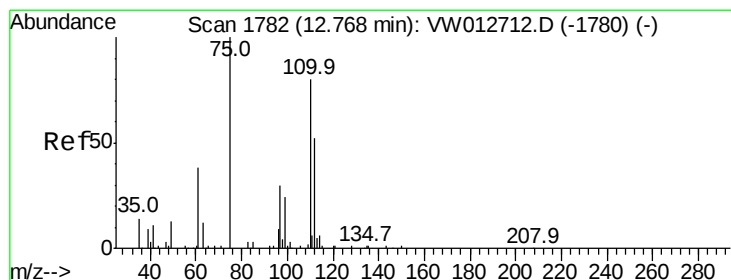
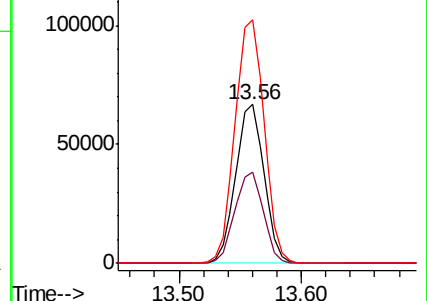
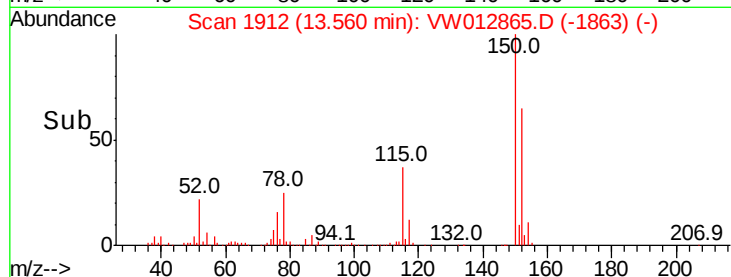
150 157.7 0.0 349.0



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: 53.481 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012865.D

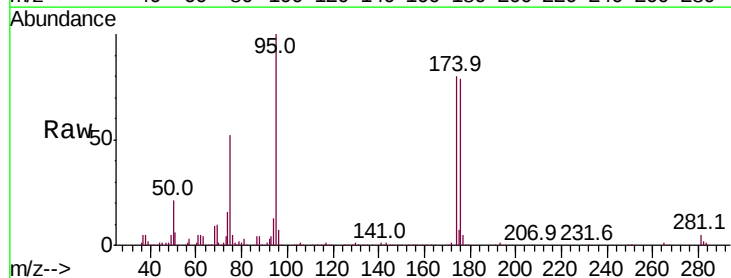
Acq: 10 Sep 2019 12:58

Tgt Ion: 75 Resp: 58496

Ion Ratio Lower Upper

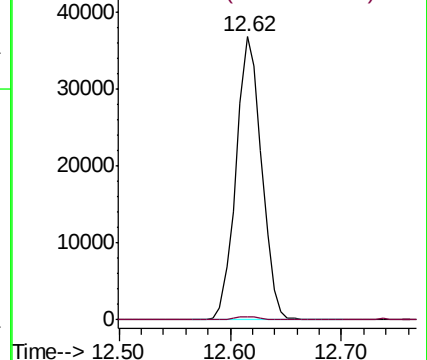
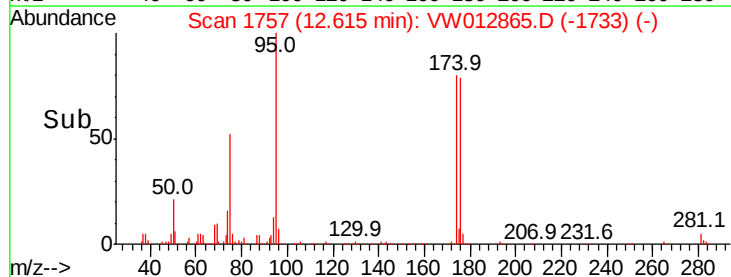
75 100

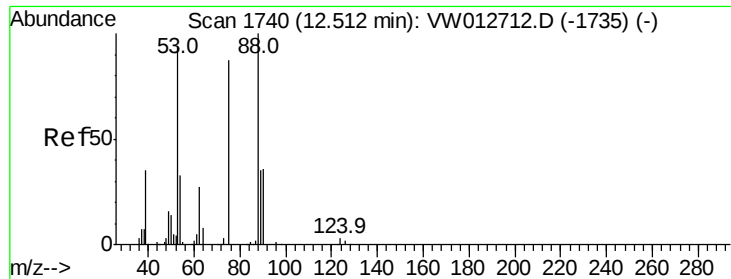
77 1.1 0.0 0.0#



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: 113.116 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012865.D

Acq: 10 Sep 2019 12:58

Instrument :

MSVOA_W

ClientSampleId :

WS-SB11-8.5-9.0

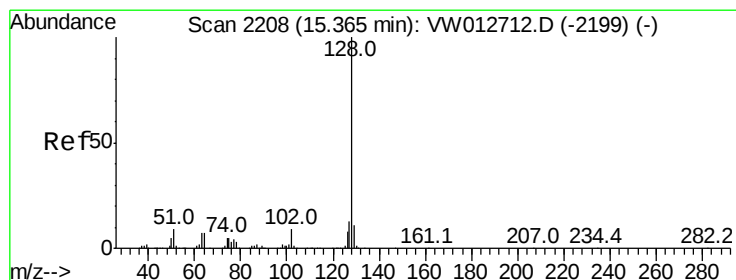
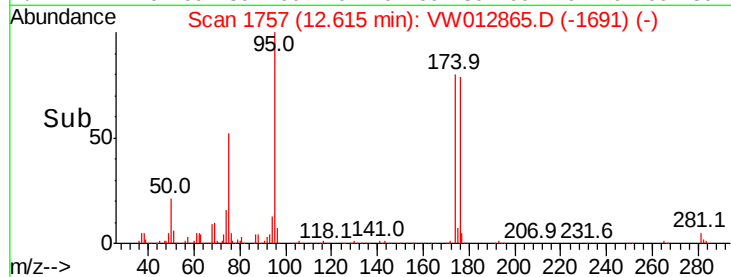
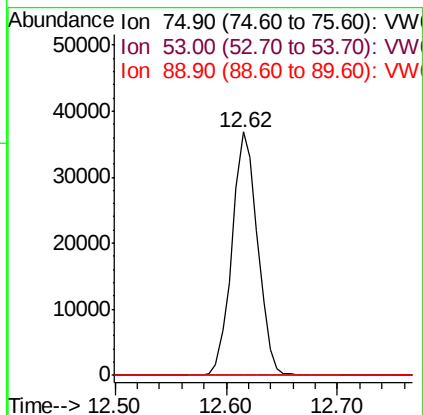
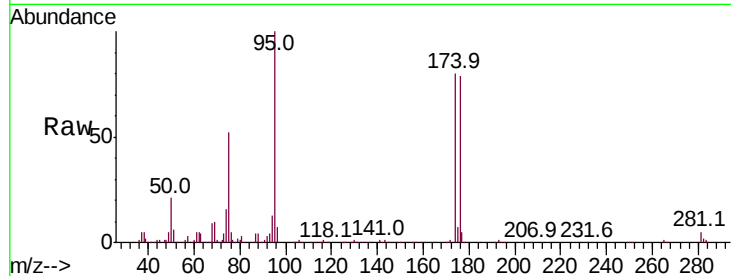
Tot Ion: 75 Resp: 58496

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.1 35.5 53.3#



#95

Naphthalene

Concen: 4.603 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012865.D

Acq: 10 Sep 2019 12:58

Tgt Ion: 128 Resp: 808

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

