

Data File : VW012857.D
Acq On : 10 Sep 2019 07:31
Operator : SY/VA
Sample : K4679-03
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WS-SB02-5.5-6.0

Quant Time: Sep 10 08:22:08 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	267321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406153	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	134630	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129391	43.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.64%	
35) Dibromofluoromethane	7.88	113	115313	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
50) Toluene-d8	10.32	98	480331	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.62	95	147403	42.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.84%	

Target Compounds

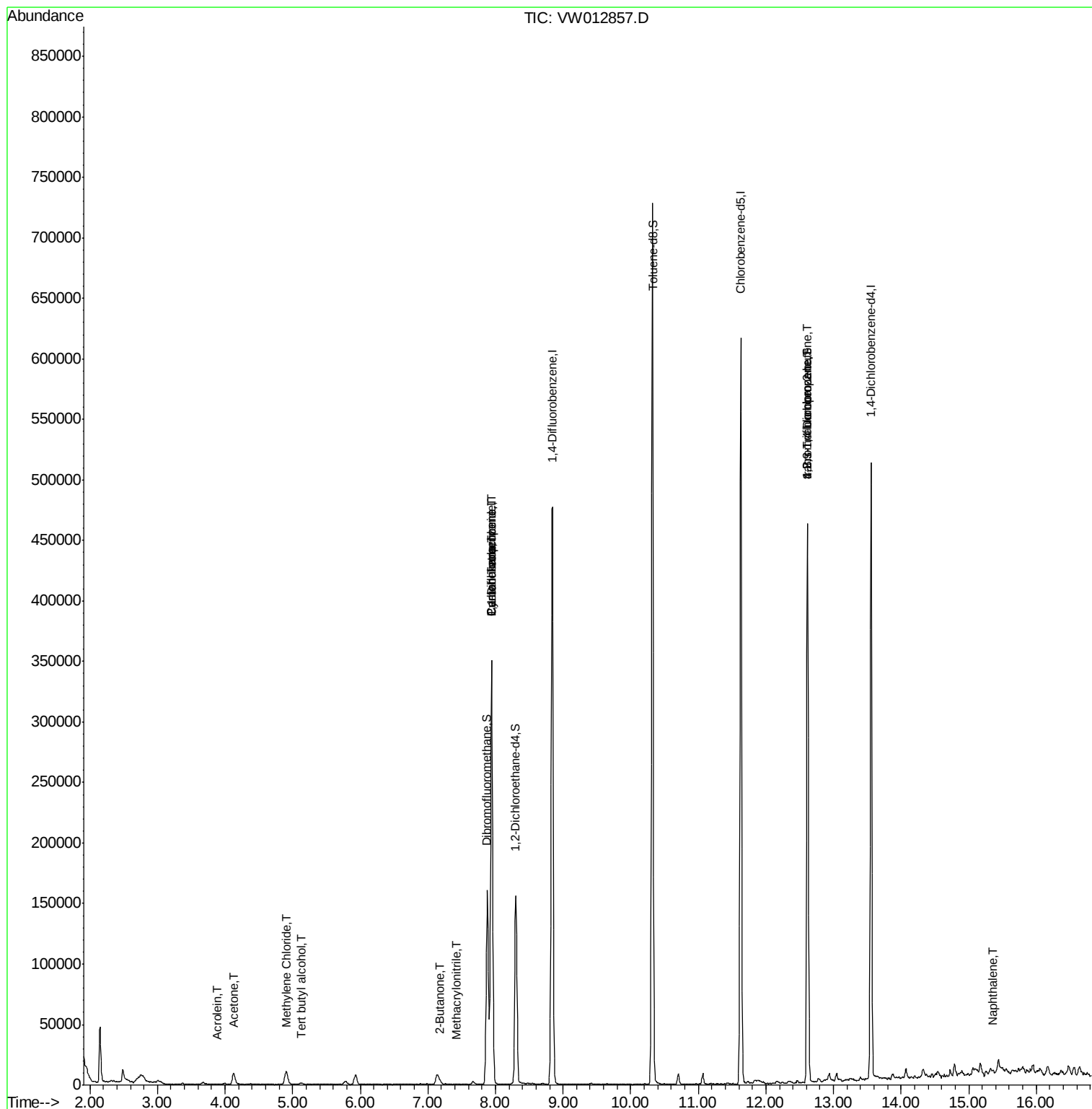
						Qvalue
11) Tert butyl alcohol	5.13	59	706	3.089	ug/l #	72
13) Acrolein	3.89	56	279	1.150	ug/l	93
16) Acetone	4.12	43	18434	22.638	ug/l	94
20) Methylene Chloride	4.92	84	8240	3.235	ug/l #	74
25) 2-Butanone	7.18	43	4777	23.351	ug/l #	80
31) Cyclohexane	7.95	56	5797	1.320	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20405	5.654	ug/l #	51
38) Carbon Tetrachloride	7.95	117	26008	7.311	ug/l #	16
41) Methacrylonitrile	7.43	41	38	3.861	ug/l #	59
76) 1,2,3-Trichloropropane	12.62	75	76357	55.466	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76357	117.314	ug/l #	7
95) Naphthalene	15.36	128	923	4.588	ug/l #	81

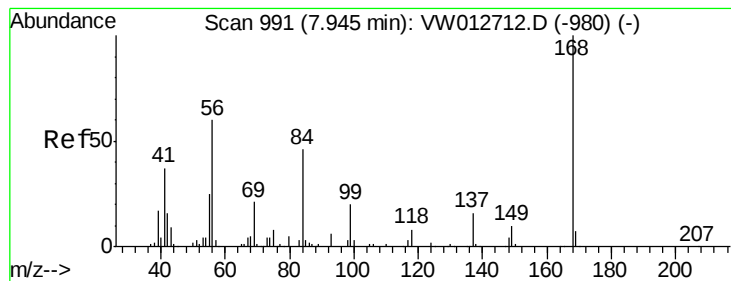
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012857.D

Acq: 10 Sep 2019 07:31

Instrument :

MSVOA_W

ClientSampleId :

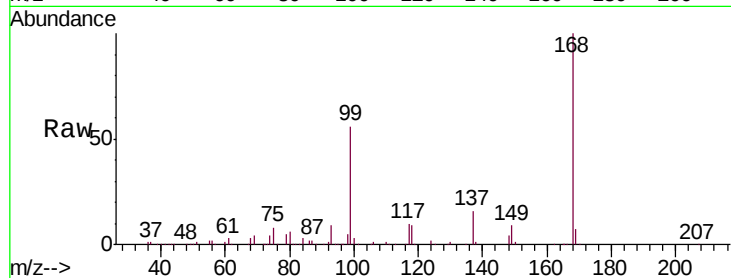
WS-SB02-5.5-6.0

Tgt Ion: 168 Resp: 267321

Ion Ratio Lower Upper

168 100

99 56.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

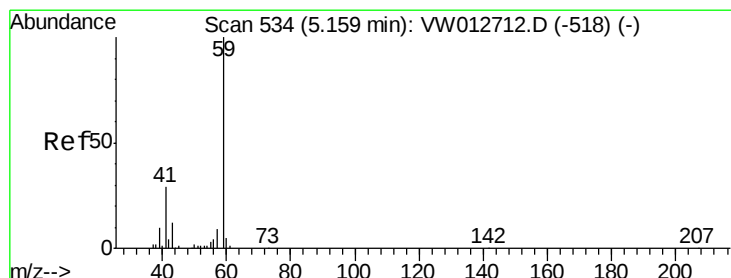
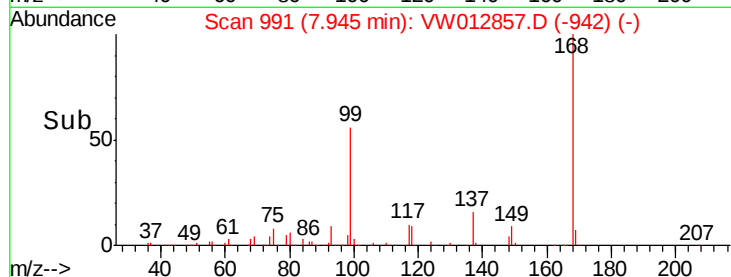
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 3.089 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.03 min

Lab File: VW012857.D

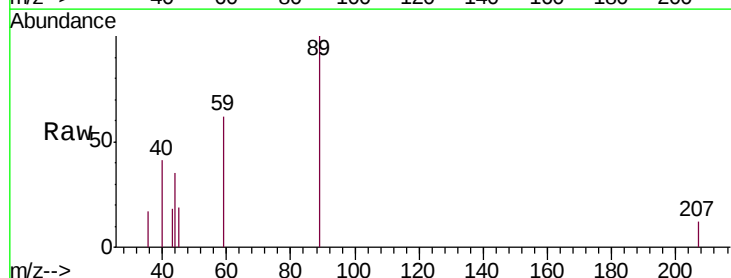
Acq: 10 Sep 2019 07:31

Tgt Ion: 59 Resp: 706

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

5.13

400

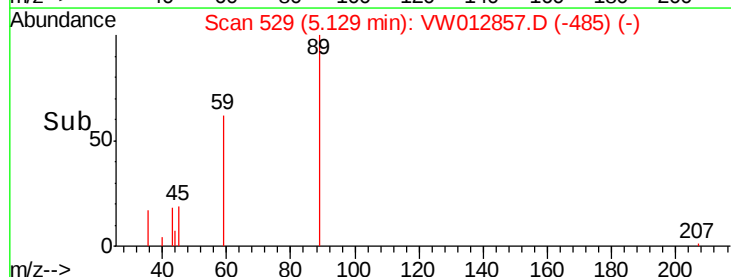
300

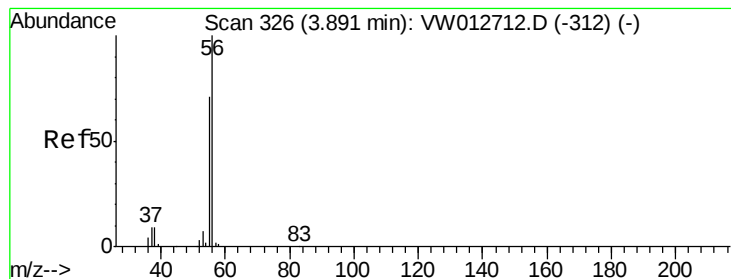
200

100

0

Time--> 5.10 5.15 5.20





#13

Acrolein

Concen: 1.150 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012857.D

Acq: 10 Sep 2019 07:31

Instrument :

MSVOA_W

ClientSampleId :

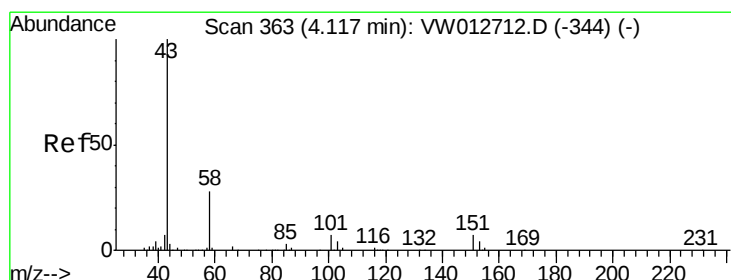
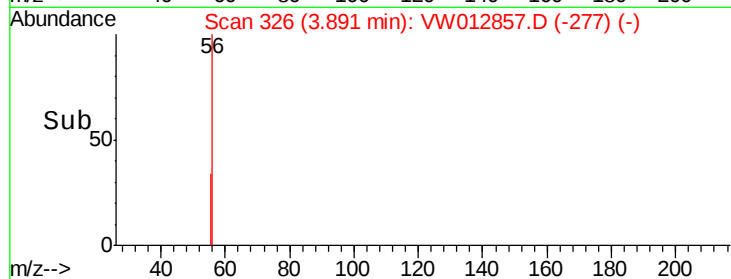
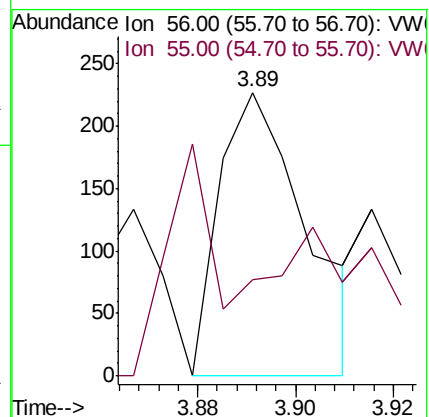
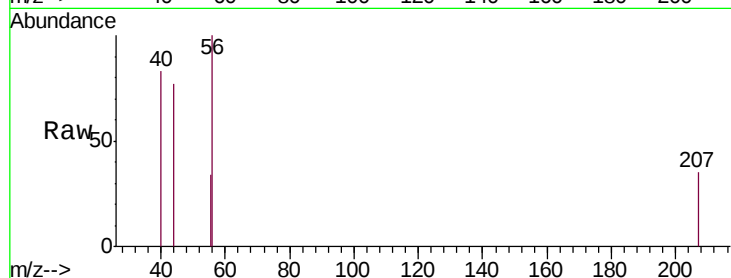
WS-SB02-5.5-6.0

Tgt Ion: 56 Resp: 279

Ion Ratio Lower Upper

56 100

55 65.2 56.9 85.3



#16

Acetone

Concen: 22.638 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012857.D

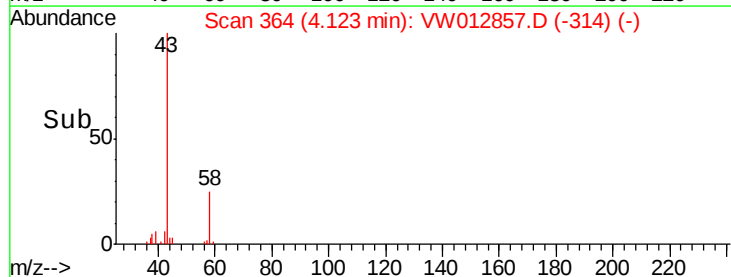
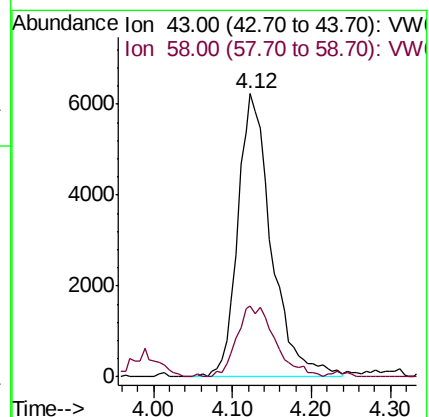
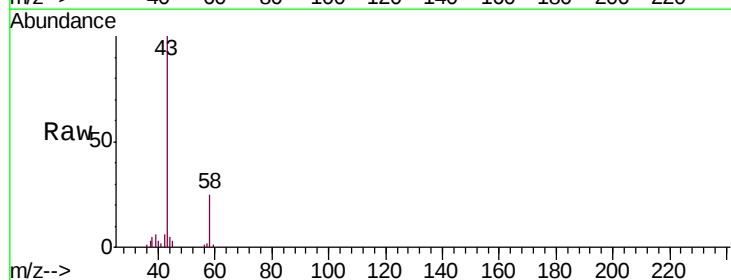
Acq: 10 Sep 2019 07:31

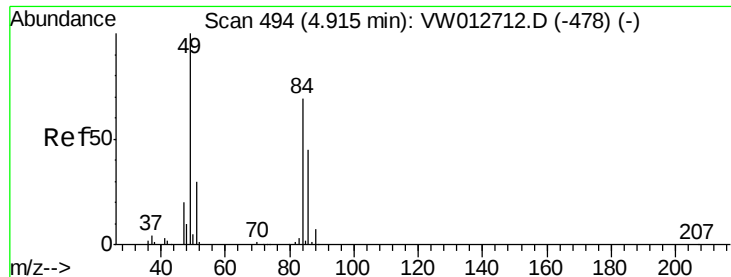
Tgt Ion: 43 Resp: 18434

Ion Ratio Lower Upper

43 100

58 24.9 22.6 33.8

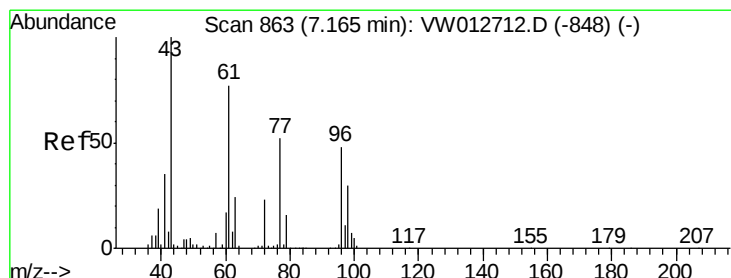
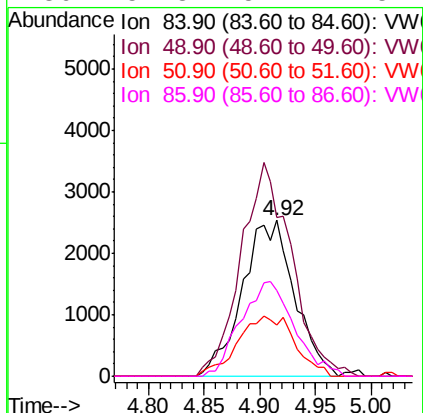
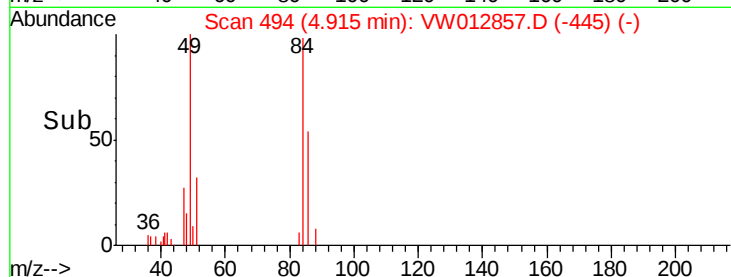
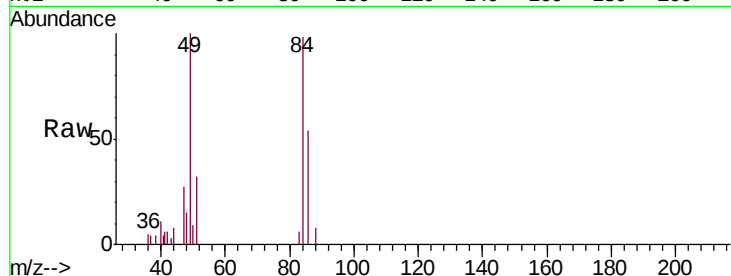




#20
Methylene Chloride
Concen: 3.235 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012857.D
Acq: 10 Sep 2019 07:31

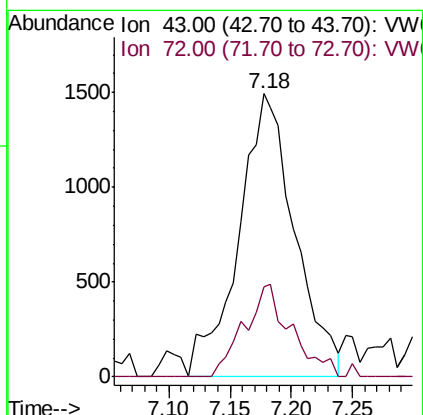
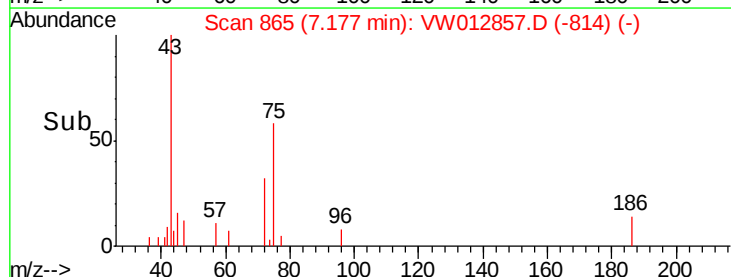
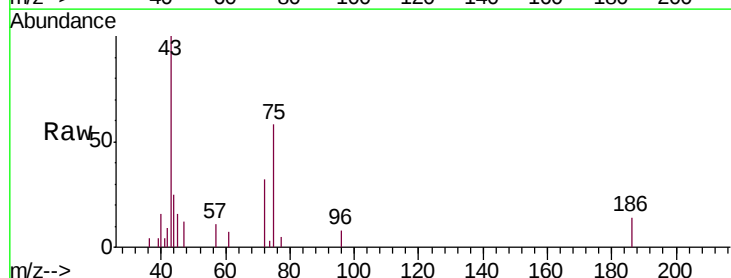
Instrument :
MSVOA_W
ClientSampleId :
WS-SB02-5.5-6.0

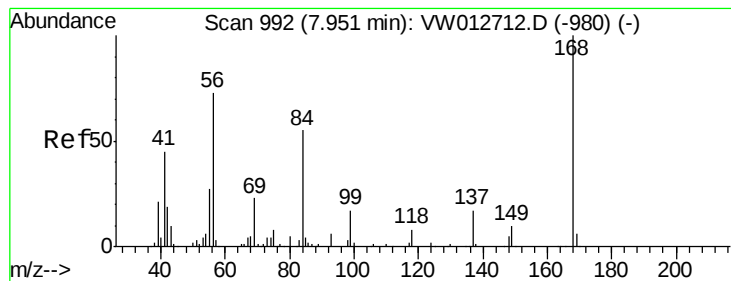
Tgt Ion: 84 Resp: 8240
Ion Ratio Lower Upper
84 100
49 101.8 115.4 173.0#
51 32.8 34.9 52.3#
86 54.8 52.2 78.4



#25
2-Butanone
Concen: 23.351 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW012857.D
Acq: 10 Sep 2019 07:31

Tgt Ion: 43 Resp: 4777
Ion Ratio Lower Upper
43 100
72 31.9 18.0 27.0#





#31

Cyclohexane

Concen: 1.320 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012857.D

Acq: 10 Sep 2019 07:31

Instrument :

MSVOA_W

ClientSampleId :

WS-SB02-5.5-6.0

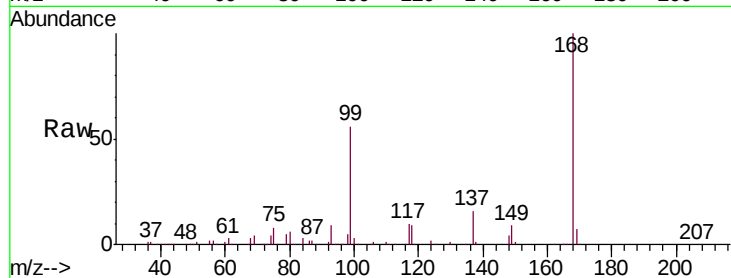
Tgt Ion: 56 Resp: 5797

Ion Ratio Lower Upper

56 100

69 182.2 25.7 38.5#

84 140.7 60.4 90.6#

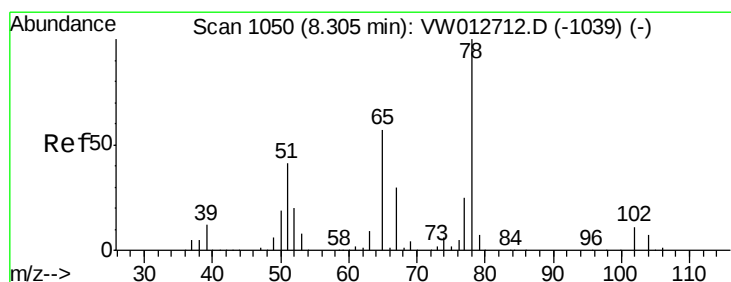
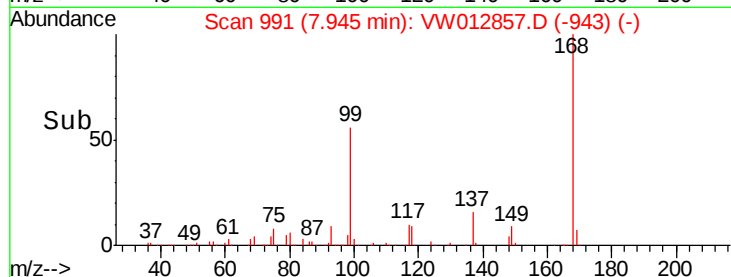
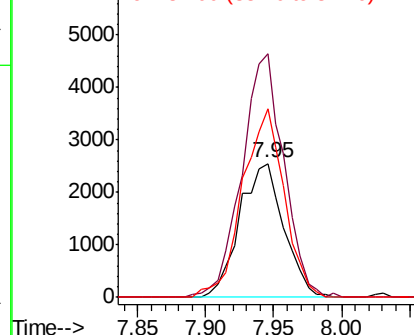


Abundance

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



#33

1,2-Dichloroethane-d4

Concen: 43.320 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012857.D

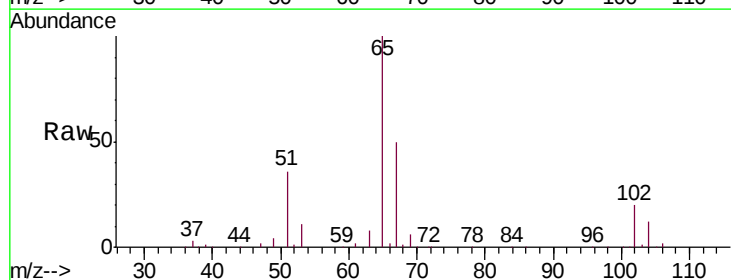
Acq: 10 Sep 2019 07:31

Tgt Ion: 65 Resp: 129391

Ion Ratio Lower Upper

65 100

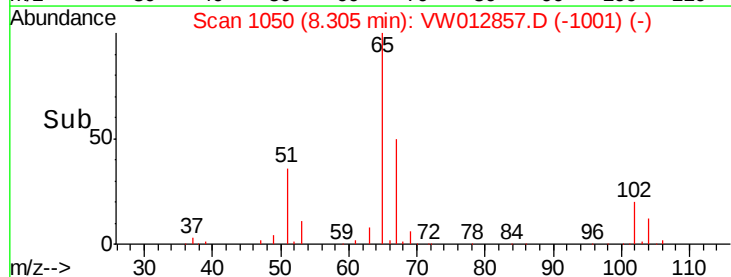
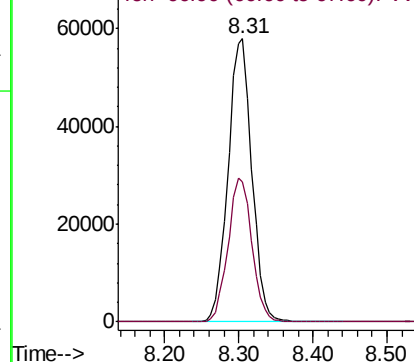
67 51.2 0.0 101.8

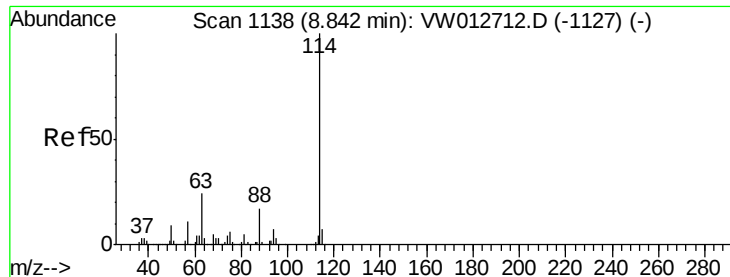


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

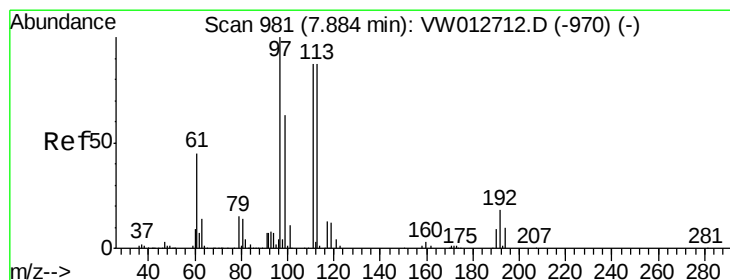
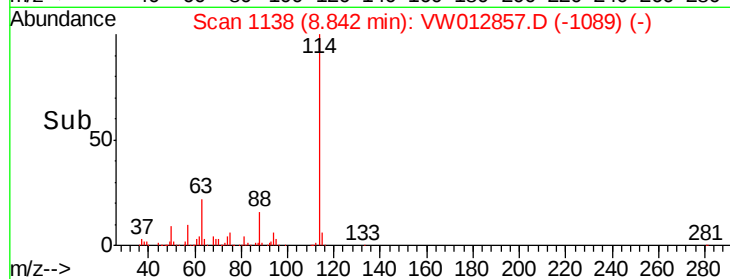
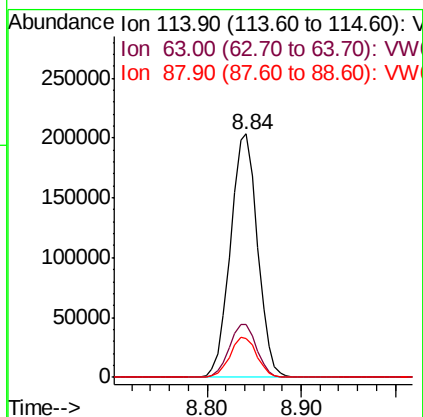
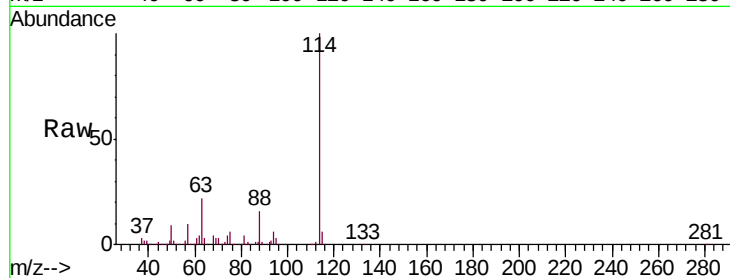




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012857.D
 Acq: 10 Sep 2019 07:31

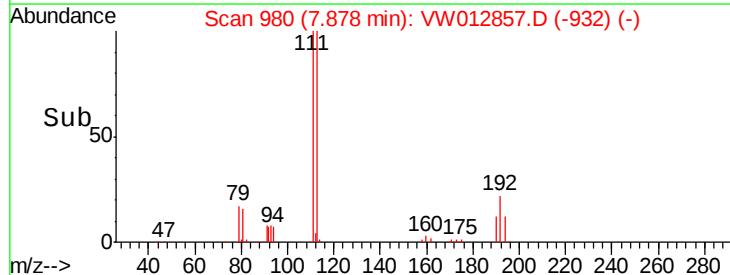
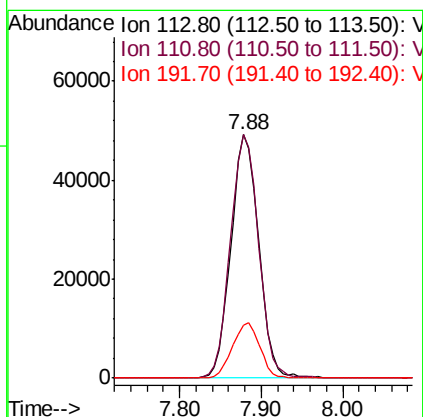
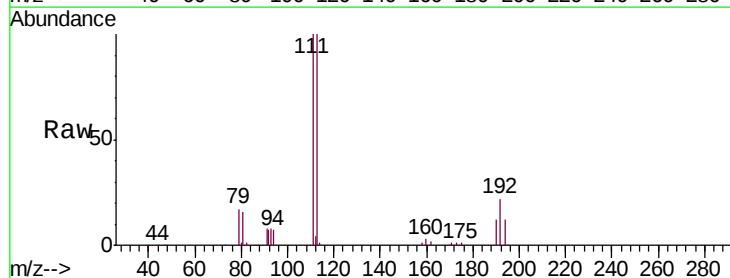
Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB02-5.5-6.0

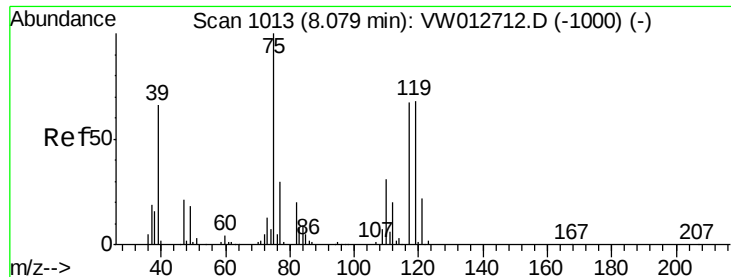
Tgt Ion:114 Resp: 406153
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 47.2
 88 15.7 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 47.755 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012857.D
 Acq: 10 Sep 2019 07:31

Tgt Ion:113 Resp: 115313
 Ion Ratio Lower Upper
 113 100
 111 101.5 80.2 120.4
 192 22.5 17.3 25.9

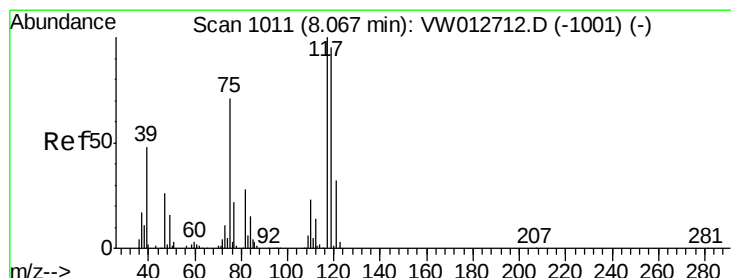
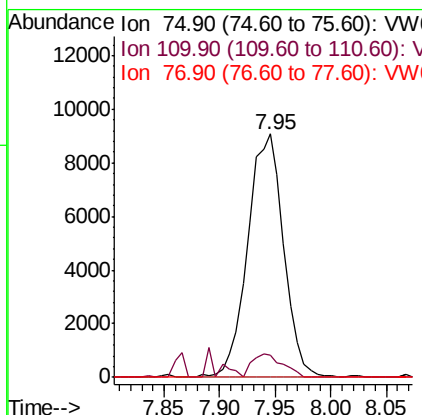
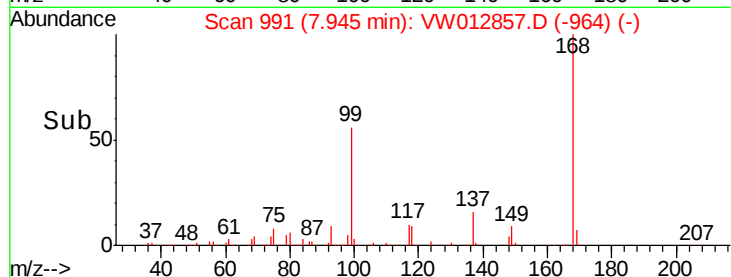
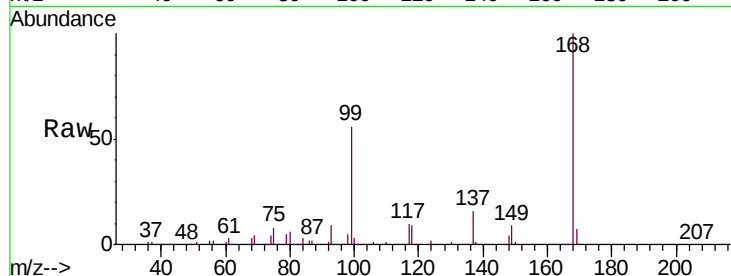




#36
 1,1-Dichloropropene
 Concen: 5.654 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012857.D
 Acq: 10 Sep 2019 07:31

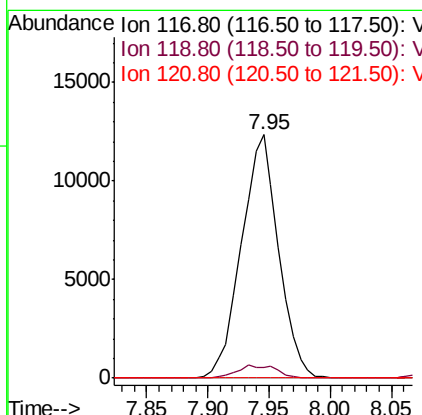
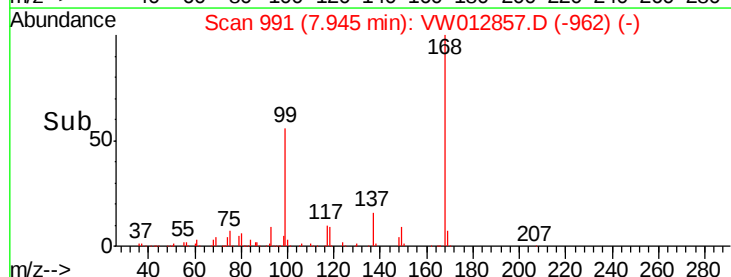
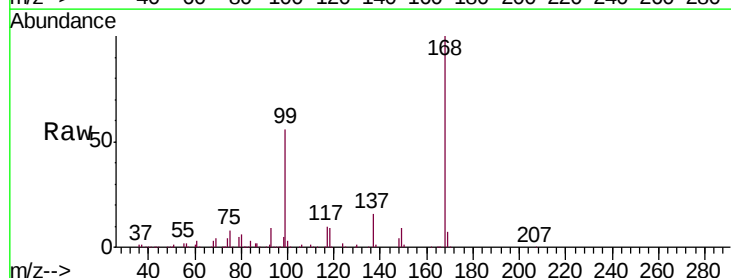
Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB02-5.5-6.0

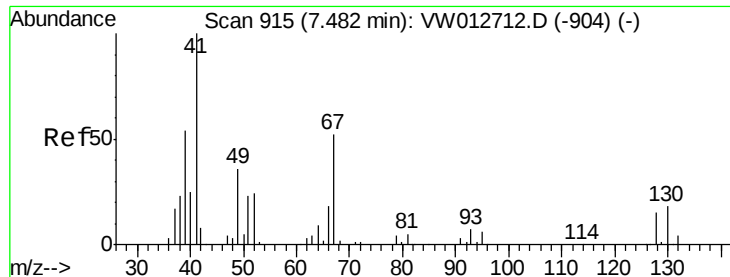
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.311 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012857.D
 Acq: 10 Sep 2019 07:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.2	114.2#
121	0.0	25.4	38.2#

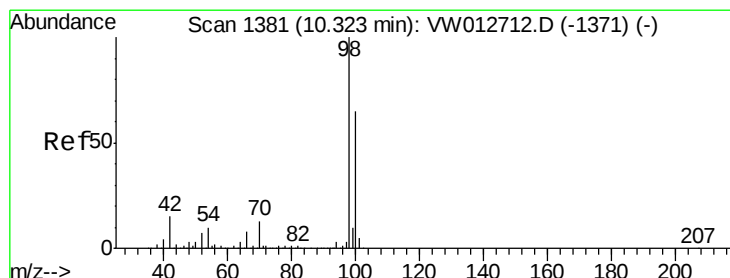
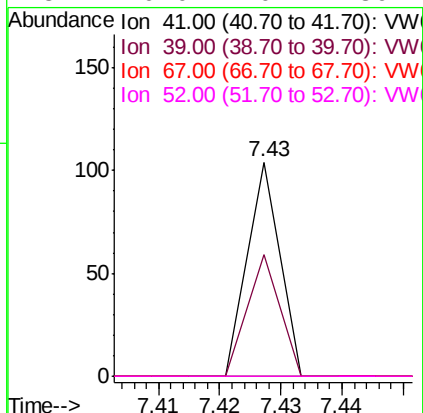
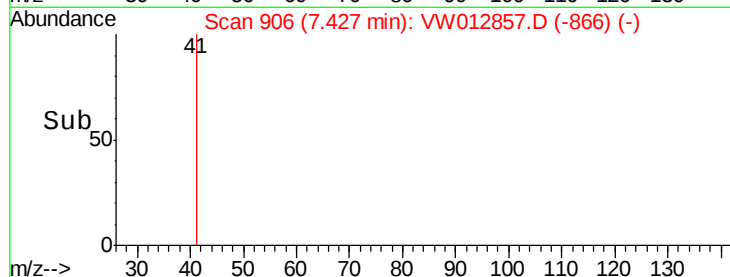
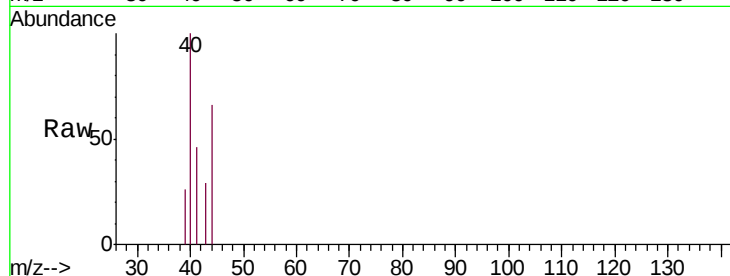




#41
Methacrylonitrile
Concen: 3.861 ug/l
RT: 7.43 min Scan# 906
Delta R.T. -0.05 min
Lab File: VW012857.D
Acq: 10 Sep 2019 07:31

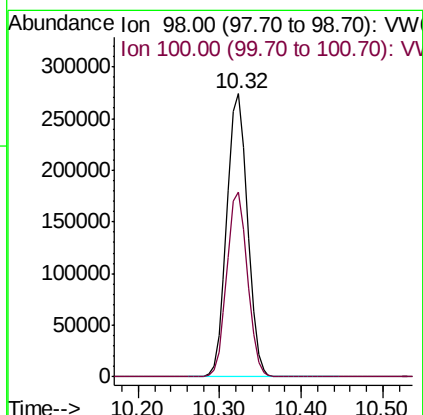
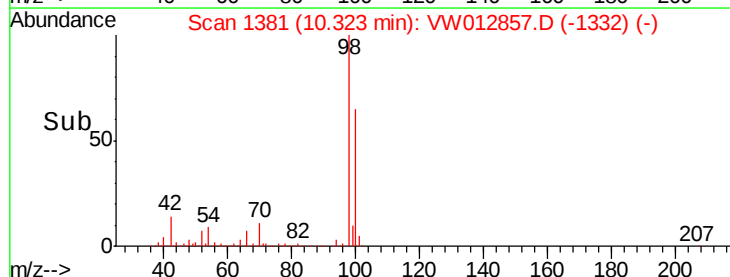
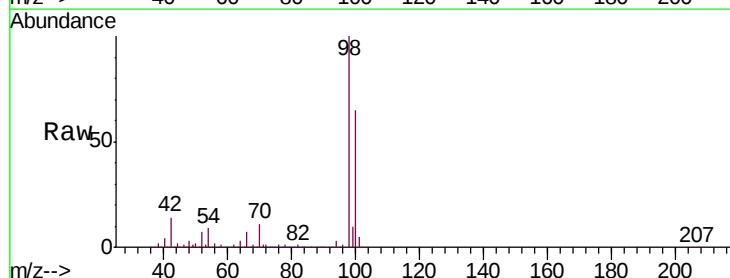
Instrument :
MSVOA_W
ClientSampleId :
WS-SB02-5.5-6.0

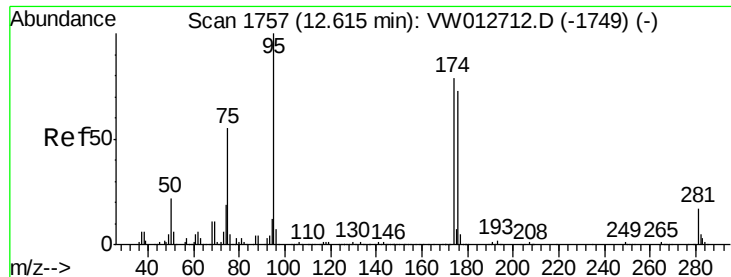
Tgt Ion:	41	Resp:	38
Ion	Ratio	Lower	Upper
41	100		
39	57.9	47.5	71.3
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#



#50
Toluene-d8
Concen: 50.774 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012857.D
Acq: 10 Sep 2019 07:31

Tgt Ion:	98	Resp:	480331
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.4





#62

4-Bromofluorobenzene

Concen: 42.920 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012857.D

Acq: 10 Sep 2019 07:31

Instrument :

MSVOA_W

ClientSampleId :

WS-SB02-5.5-6.0

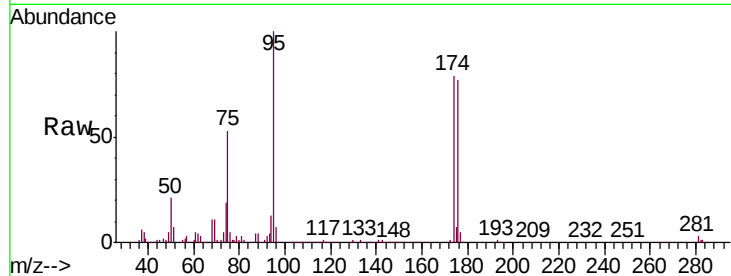
Tgt Ion: 95 Resp: 147403

Ion Ratio Lower Upper

95 100

174 83.6 0.0 161.0

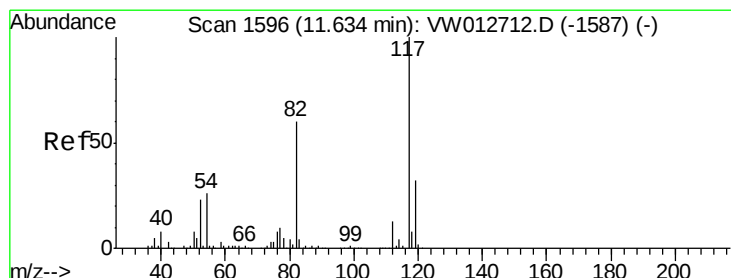
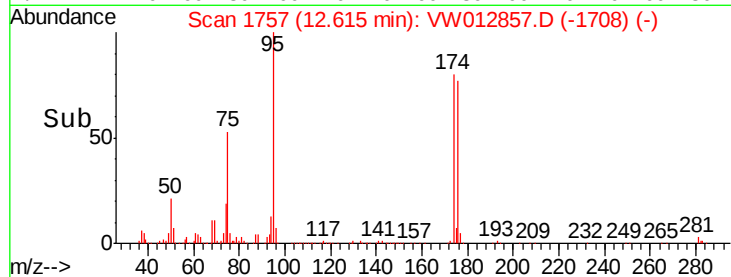
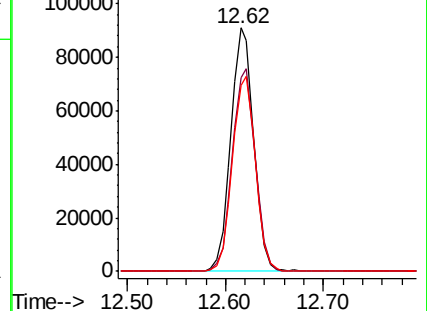
176 80.7 0.0 156.4



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: VW012857.D

Acq: 10 Sep 2019 07:31

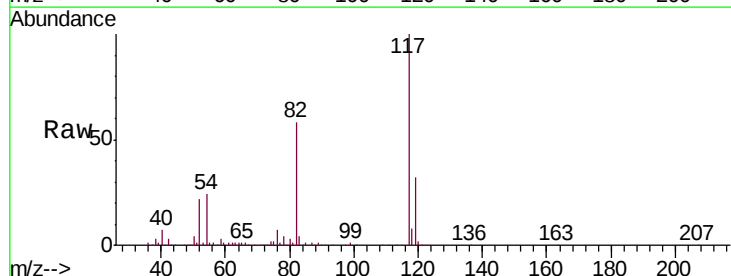
Tgt Ion: 117 Resp: 332773

Ion Ratio Lower Upper

117 100

82 57.7 48.2 72.4

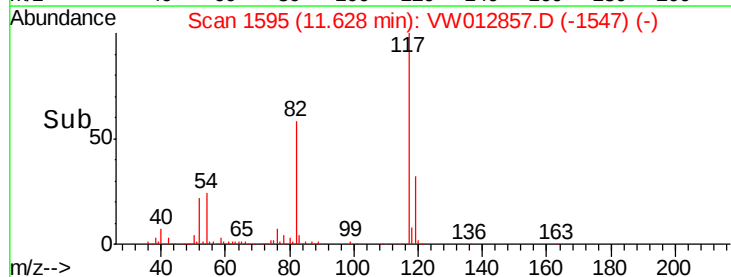
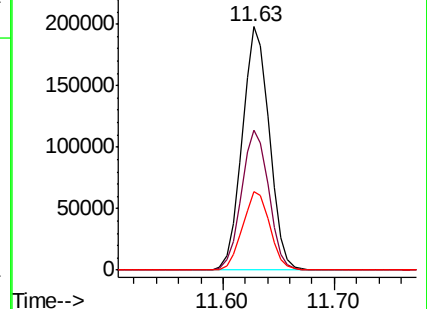
119 32.3 25.8 38.6

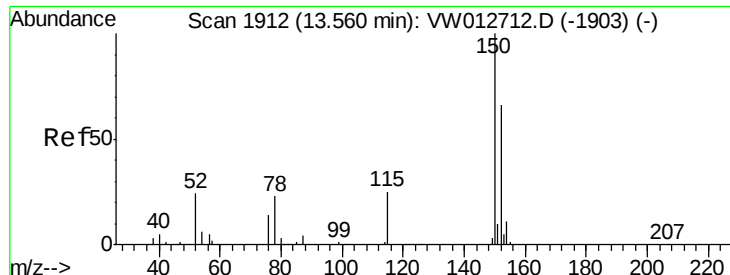


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012857.D

Acq: 10 Sep 2019 07:31

Instrument :

MSVOA_W

ClientSampleId :

WS-SB02-5.5-6.0

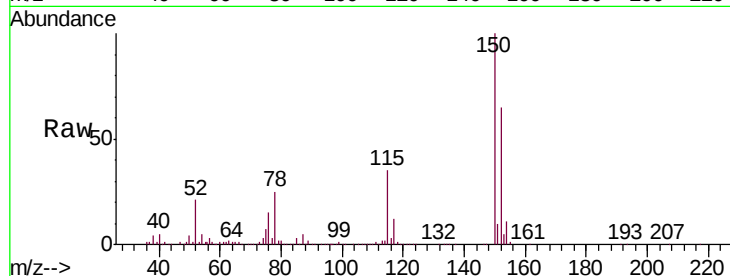
Tgt Ion:152 Resp: 134630

Ion Ratio Lower Upper

152 100

115 57.5 30.0 90.1

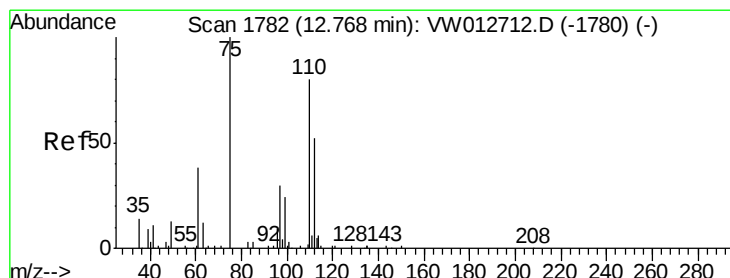
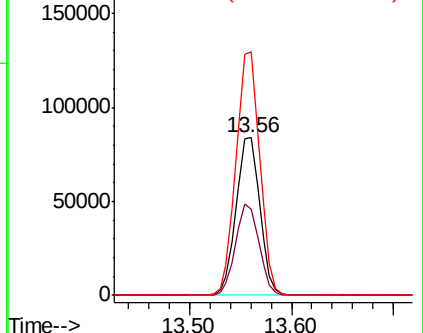
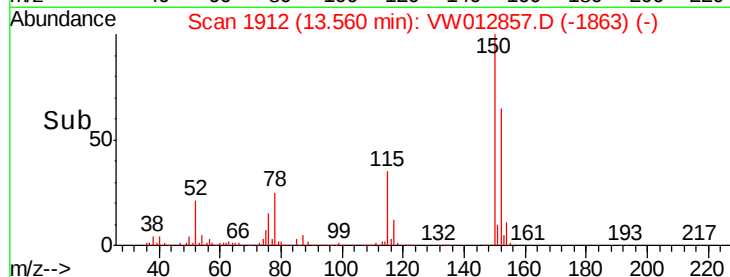
150 154.7 0.0 349.0



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: 55.466 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012857.D

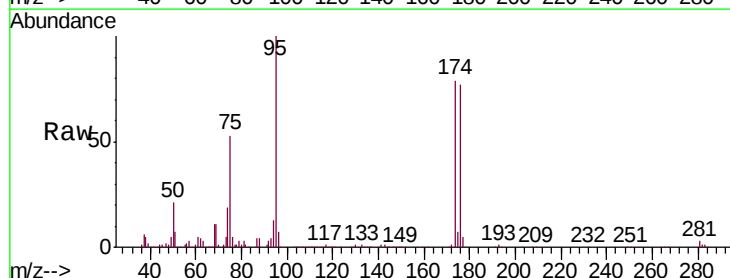
Acq: 10 Sep 2019 07:31

Tgt Ion: 75 Resp: 76357

Ion Ratio Lower Upper

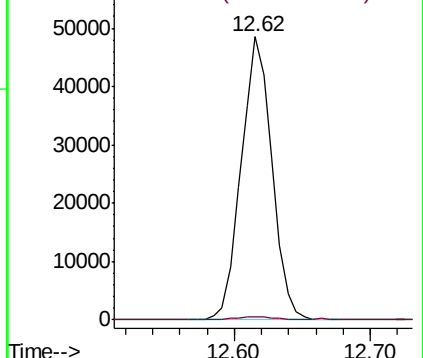
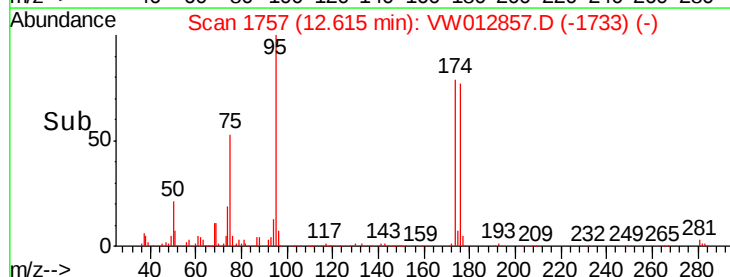
75 100

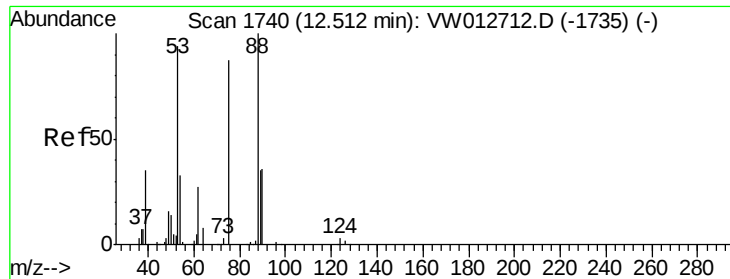
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

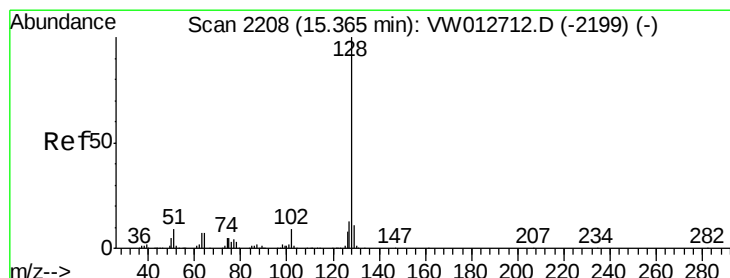
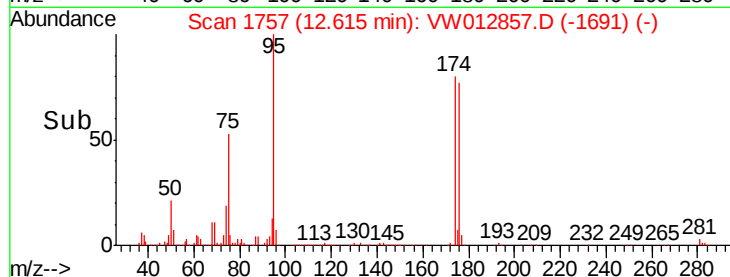
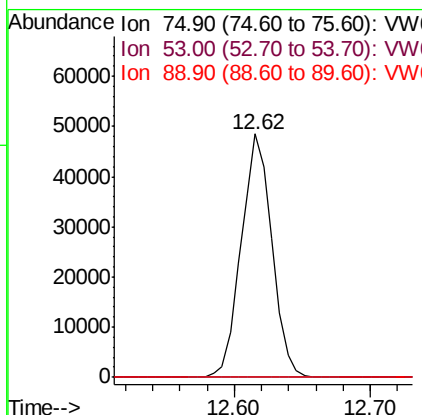
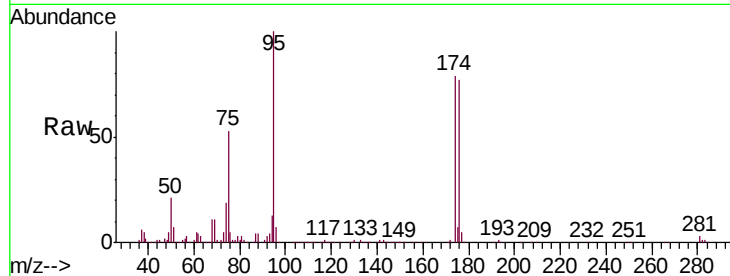




#81
trans-1,4-Dichloro-2-butene
Concen: 117.314 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012857.D
Acq: 10 Sep 2019 07:31

Instrument :
MSVOA_W
ClientSampleId :
WS-SB02-5.5-6.0

Tgt Ion: 75 Resp: 76357
Ion Ratio Lower Upper
75 100
53 0.3 87.6 131.4#
89 0.0 35.5 53.3#



#95
Naphthalene
Concen: 4.588 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW012857.D
Acq: 10 Sep 2019 07:31

Tgt Ion: 128 Resp: 923
Ion Ratio Lower Upper
128 100
127 9.1 10.7 16.1#
129 0.0 8.7 13.1#

