

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013231.D
 Acq On : 23 Sep 2019 15:12
 Operator : SY/VA
 Sample : K4918-06RE
 Misc : 4.32G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-7

Quant Time: Sep 24 06:39:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	86207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	121277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	89447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	23622	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	37851	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
35) Dibromofluoromethane	7.88	113	35939	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
50) Toluene-d8	10.32	98	132241	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
62) 4-Bromofluorobenzene	12.62	95	31557	33.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.18%	

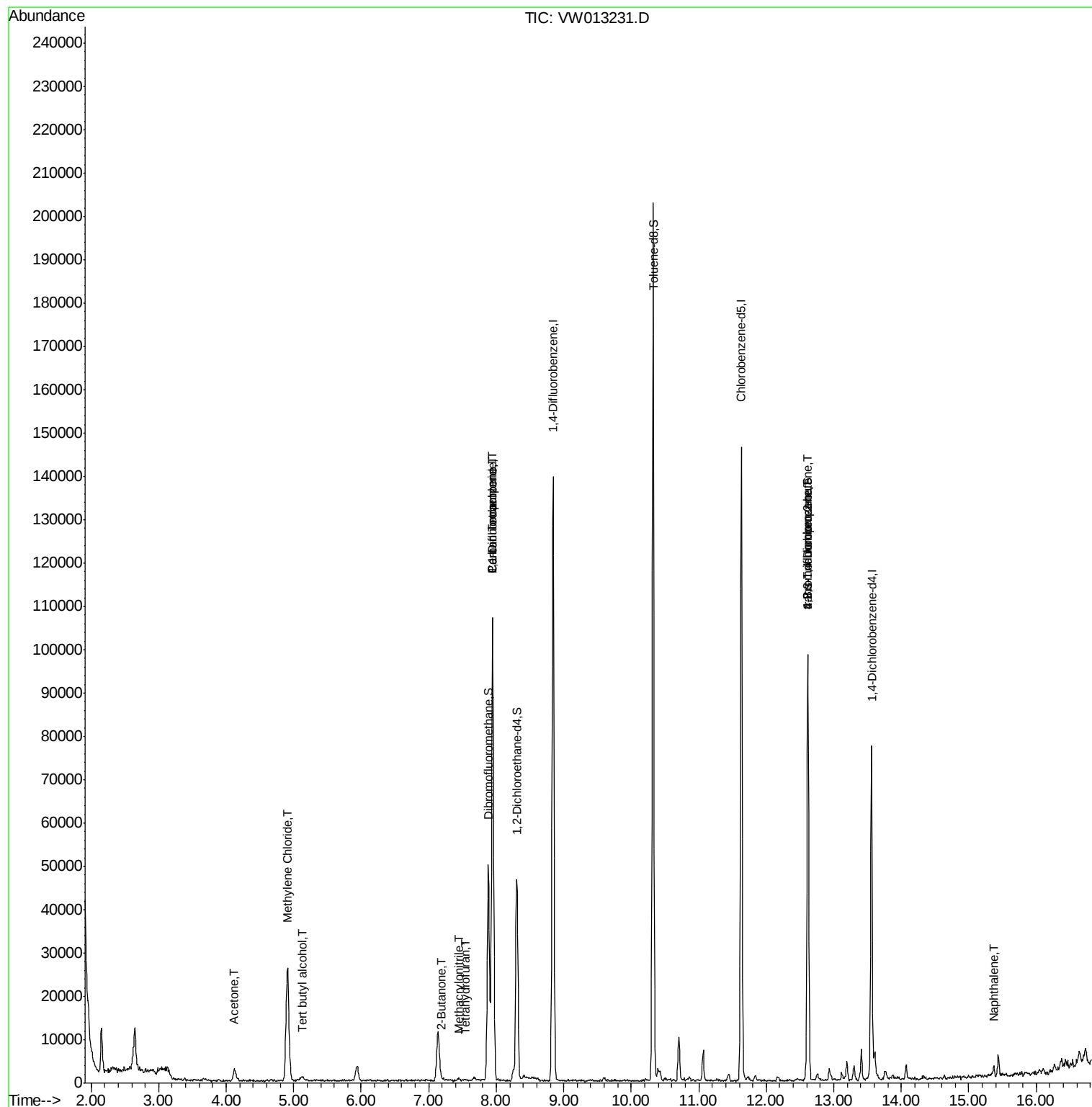
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1211	14.383	ug/l #	73
16) Acetone	4.12	43	5280	33.278	ug/l	93
20) Methylene Chloride	4.92	84	19205	22.043	ug/l	98
25) 2-Butanone	7.19	43	623	2.616	ug/l #	51
26) 2,2-Dichloropropane	7.14	77	841	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	321	2.198	ug/l #	40
36) 1,1-Dichloropropene	7.95	75	6203	5.281	ug/l #	46
38) Carbon Tetrachloride	7.95	117	7843	7.448	ug/l #	20
41) Methacrylonitrile	7.45	41	350	1.175	ug/l #	31
76) 1,2,3-Trichloropropane	12.62	75	15102	72.392	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	15102	162.442	ug/l #	12
95) Naphthalene	15.37	128	2213	2.743	ug/l	98

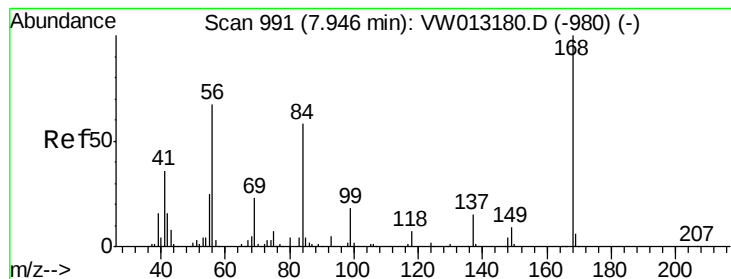
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
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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: VW013231.D

Acq: 23 Sep 2019 15:12

Instrument :

MSVOA_W

ClientSampled :

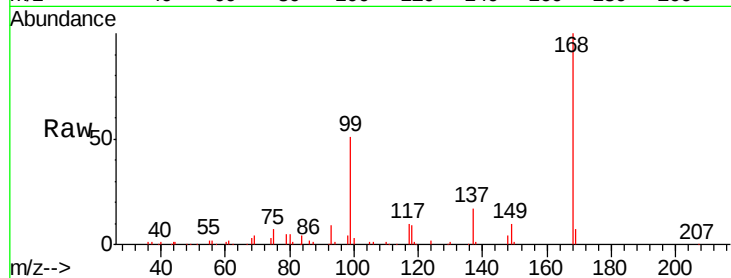
SB-7

Tgt Ion: 168 Resp: 86207

Ion Ratio Lower Upper

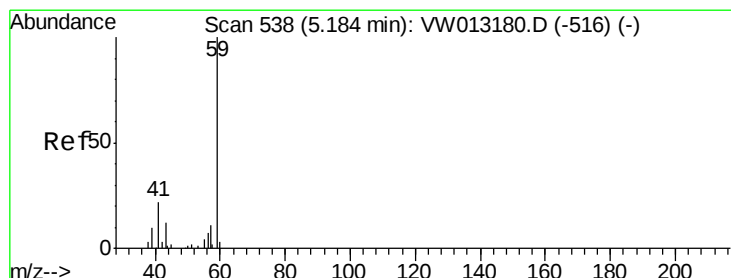
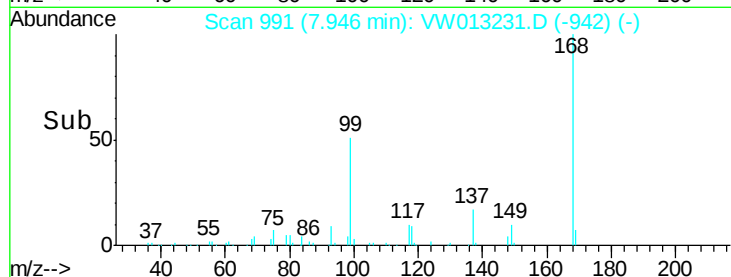
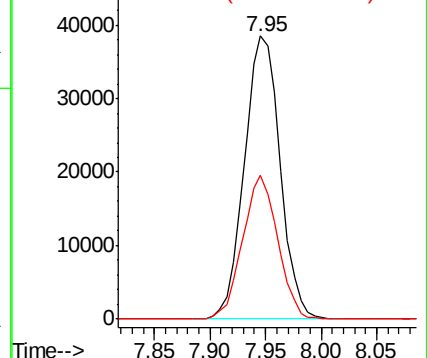
168 100

99 50.9 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 14.383 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.06 min

Lab File: VW013231.D

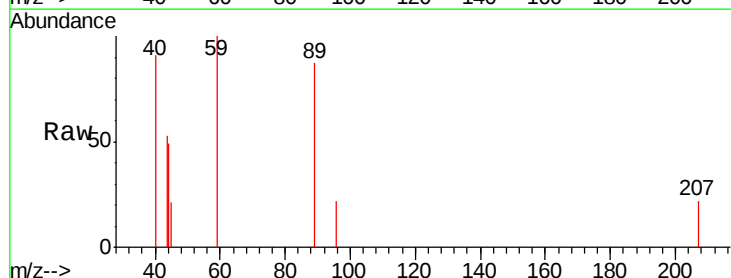
Acq: 23 Sep 2019 15:12

Tgt Ion: 59 Resp: 1211

Ion Ratio Lower Upper

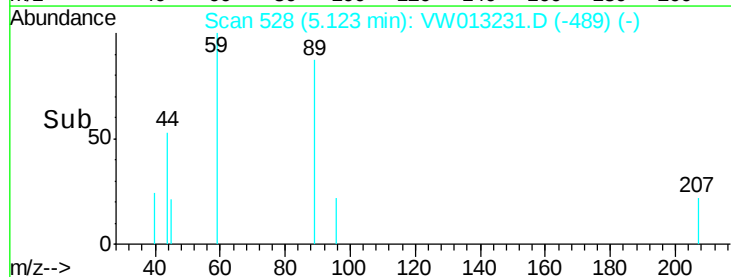
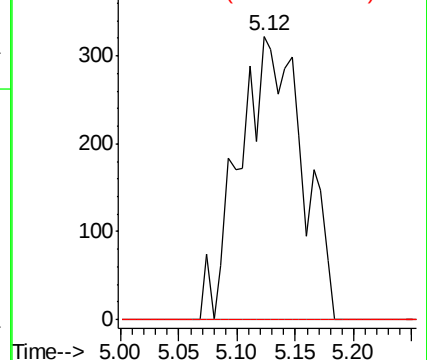
59 100

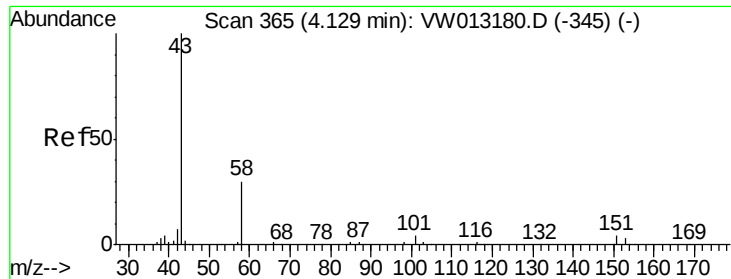
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 33.278 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW013231.D

Acq: 23 Sep 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

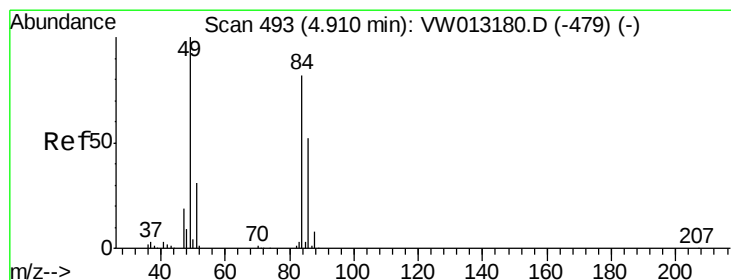
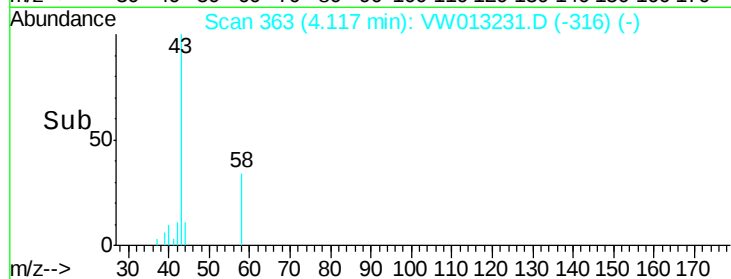
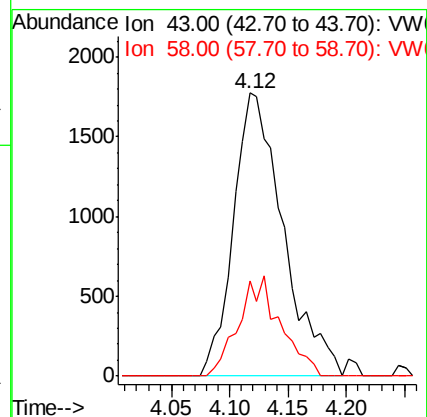
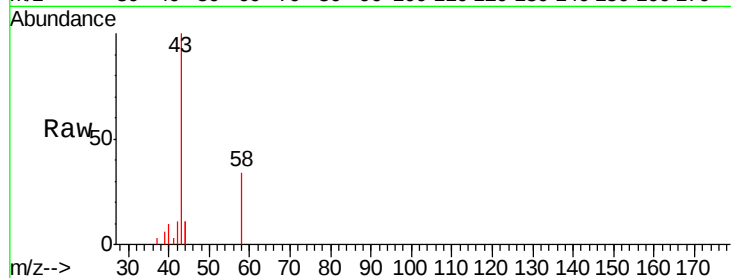
SB-7

Tgt Ion: 43 Resp: 5280

Ion Ratio Lower Upper

43 100

58 33.7 24.1 36.1



#20

Methylene Chloride

Concen: 22.043 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW013231.D

Acq: 23 Sep 2019 15:12

Tgt Ion: 84 Resp: 19205

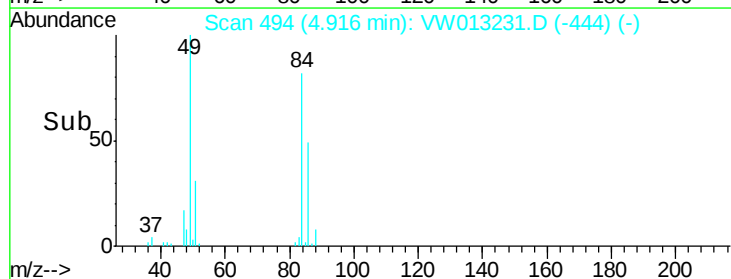
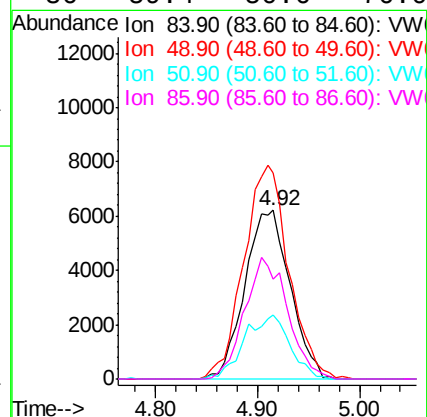
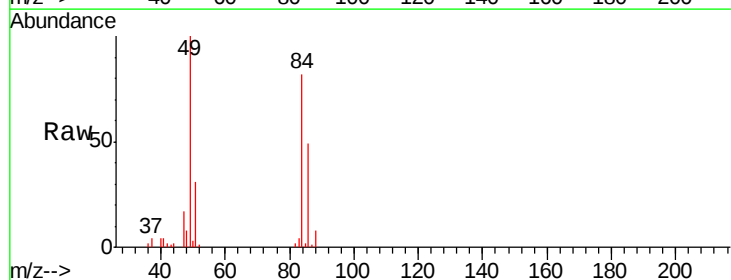
Ion Ratio Lower Upper

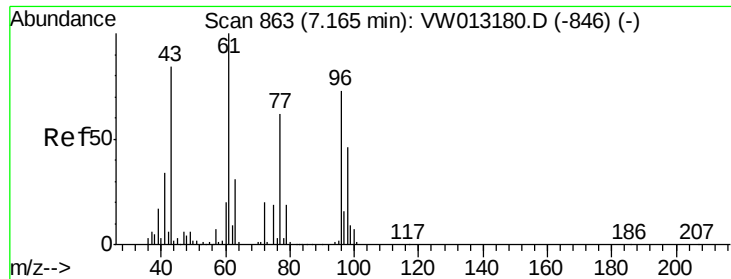
84 100

49 122.4 97.6 146.4

51 38.0 30.2 45.2

86 59.4 50.6 76.0





#25

2-Butanone

Concen: 2.616 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW013231.D

Acq: 23 Sep 2019 15:12

Instrument :

MSVOA_W

ClientSampled :

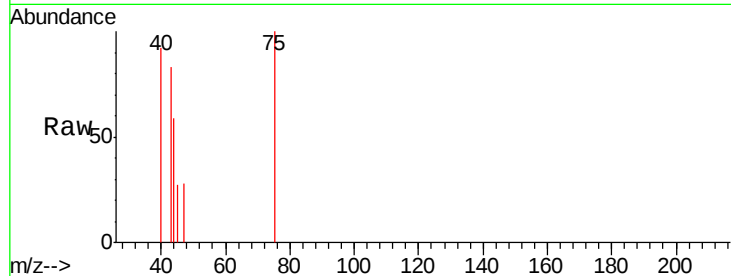
SB-7

Tgt Ion: 43 Resp: 623

Ion Ratio Lower Upper

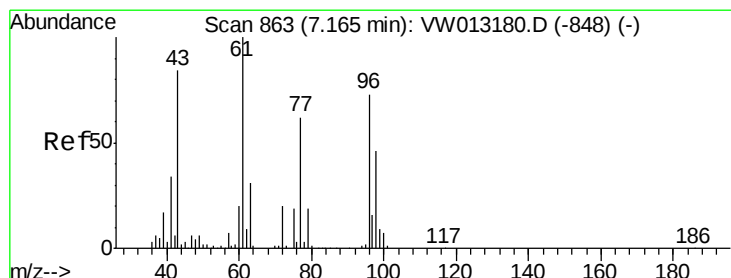
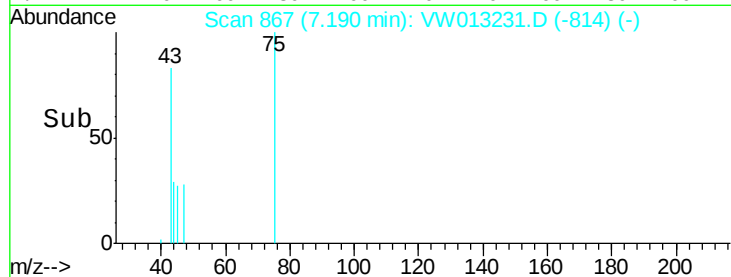
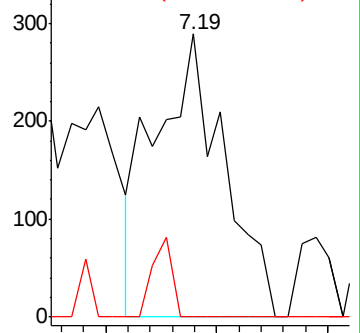
43 100

72 0.0 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013231.D

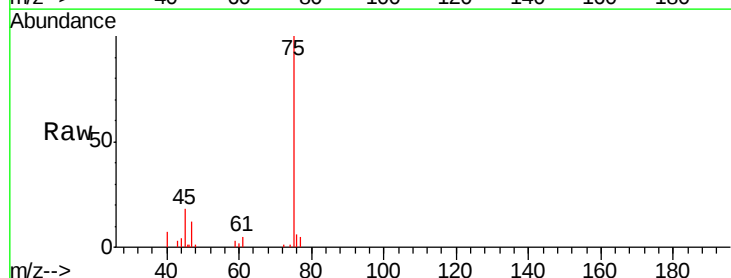
Acq: 23 Sep 2019 15:12

Tgt Ion: 77 Resp: 841

Ion Ratio Lower Upper

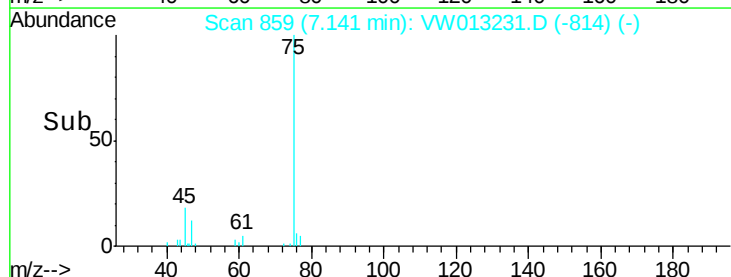
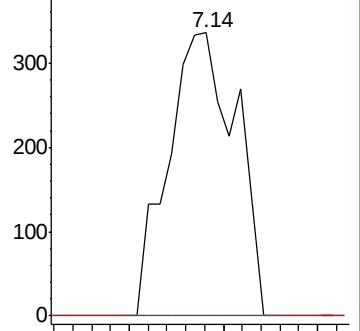
77 100

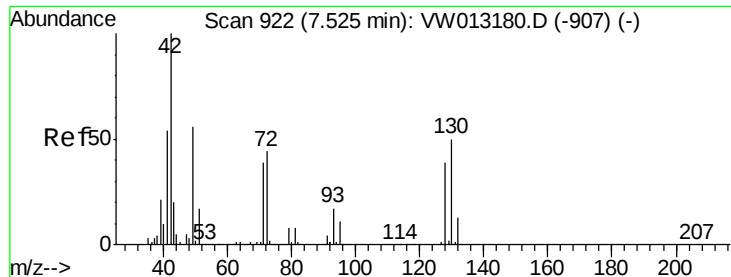
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

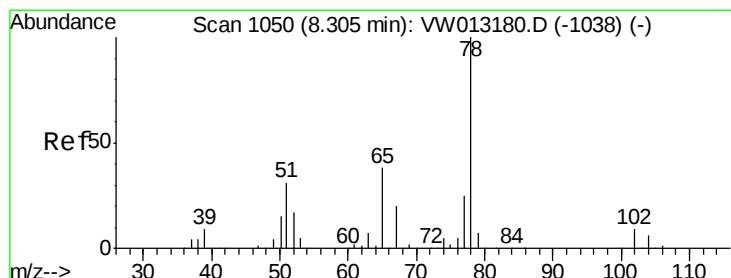
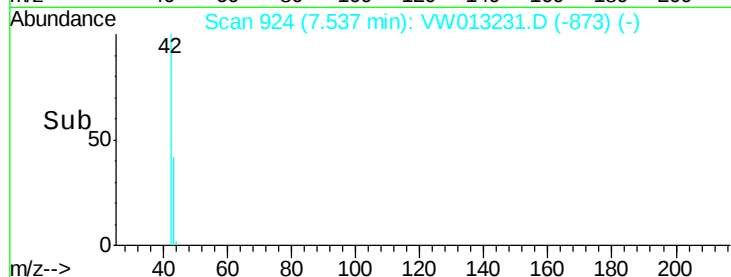
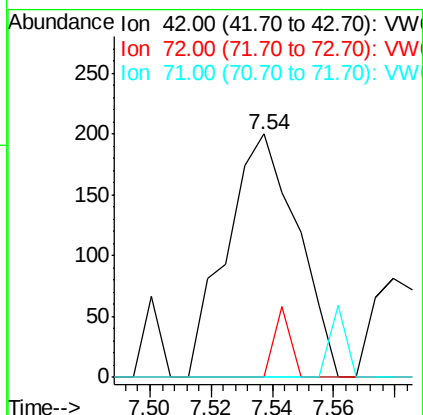
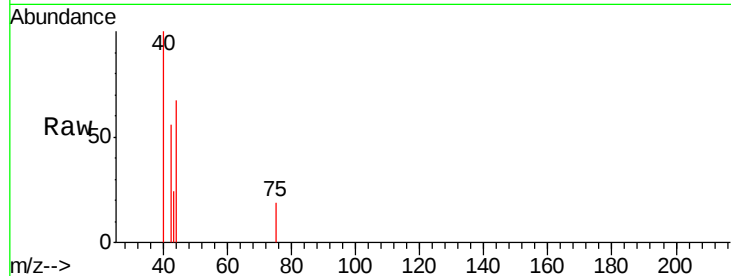




#29
Tetrahydrofuran
Concen: 2.198 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013231.D
Acq: 23 Sep 2019 15:12

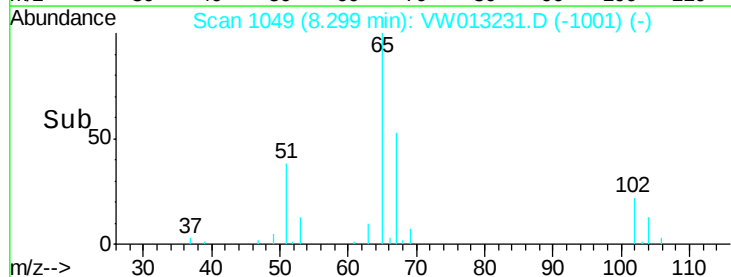
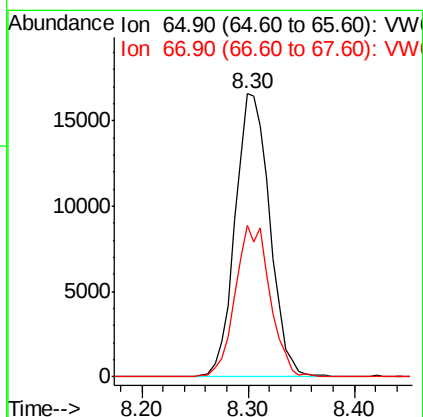
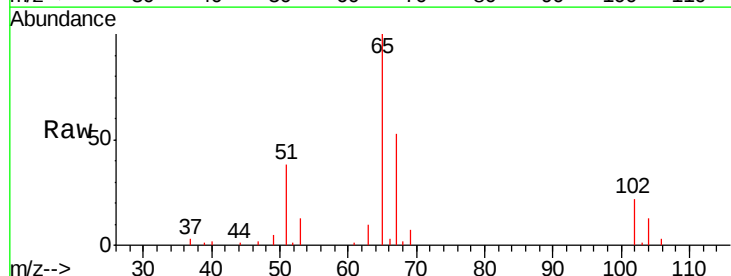
Instrument :
MSVOA_W
ClientSampled :
SB-7

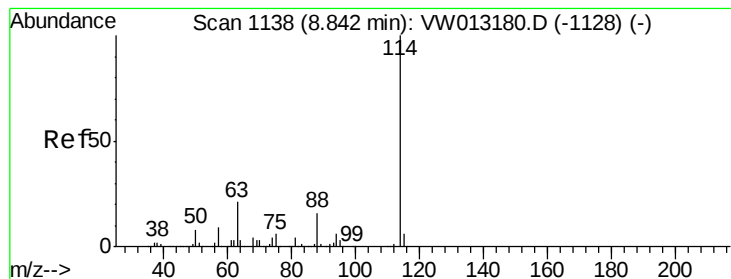
Tgt Ion: 42 Resp: 321
Ion Ratio Lower Upper
42 100
72 6.5 33.9 50.9#
71 0.0 31.9 47.9#



#33
1,2-Dichloroethane-d4
Concen: 53.798 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW013231.D
Acq: 23 Sep 2019 15:12

Tgt Ion: 65 Resp: 37851
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013231.D

Acq: 23 Sep 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

SB-7

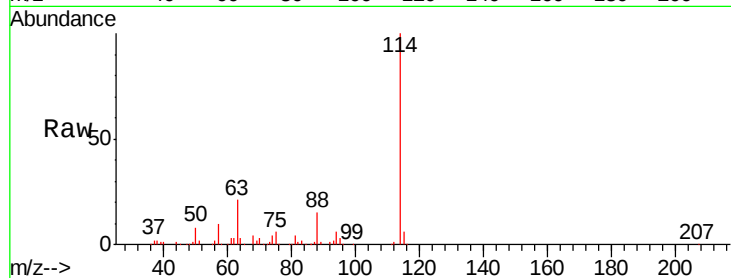
Tgt Ion:114 Resp: 121277

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.4

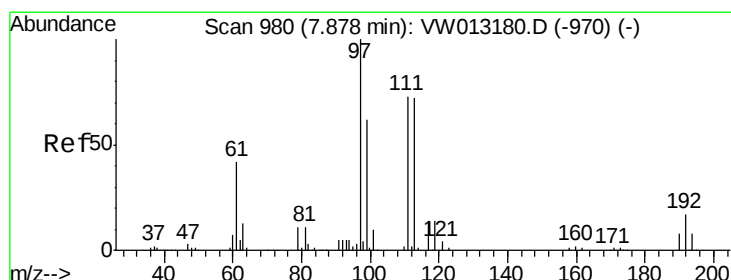
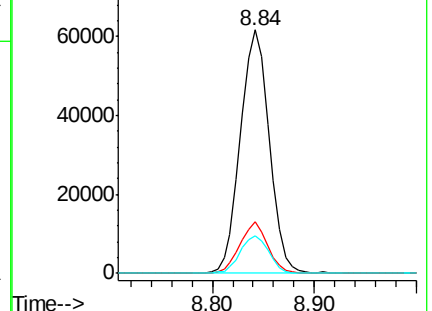
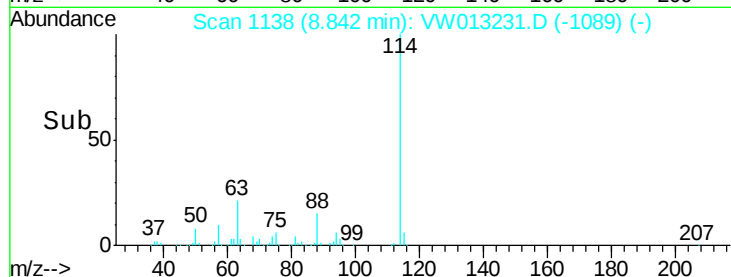
88 15.5 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 53.880 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013231.D

Acq: 23 Sep 2019 15:12

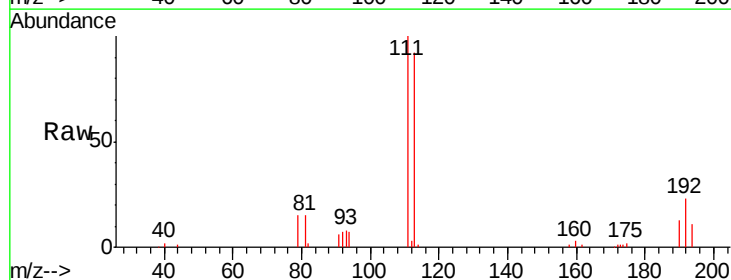
Tgt Ion:113 Resp: 35939

Ion Ratio Lower Upper

113 100

111 106.3 81.9 122.9

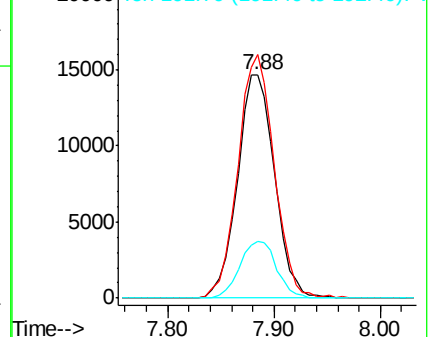
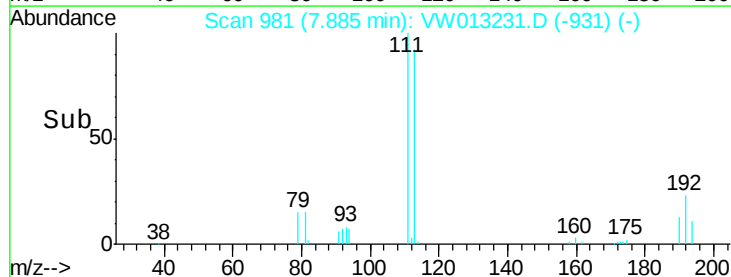
192 25.0 19.1 28.7

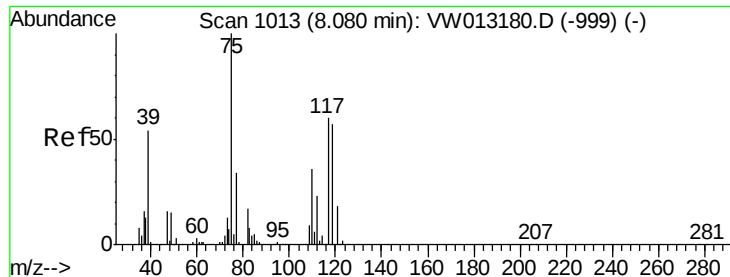


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.281 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW013231.D

Acq: 23 Sep 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

SB-7

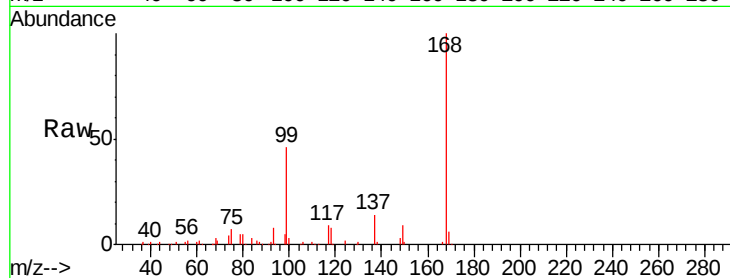
Tgt Ion: 75 Resp: 6203

Ion Ratio Lower Upper

75 100

110 6.6 18.1 54.3#

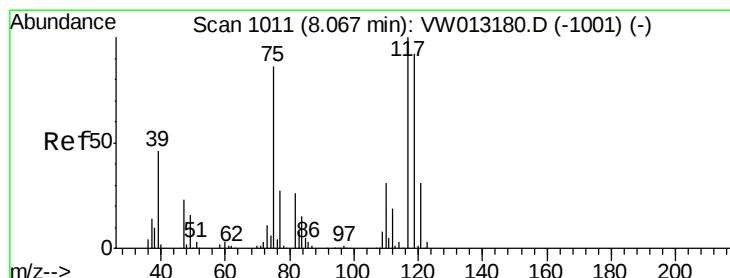
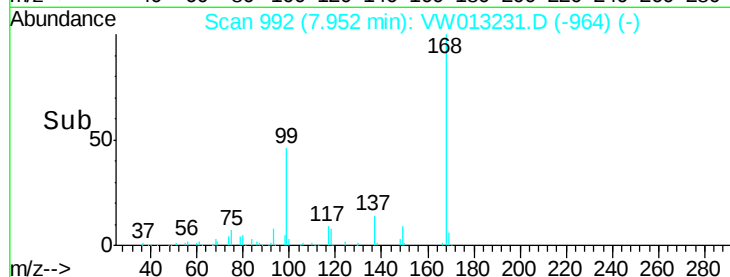
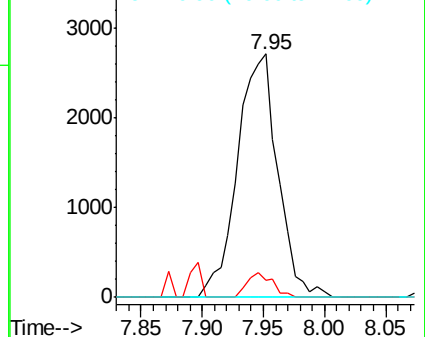
77 0.0 25.8 38.6#



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: 7.448 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013231.D

Acq: 23 Sep 2019 15:12

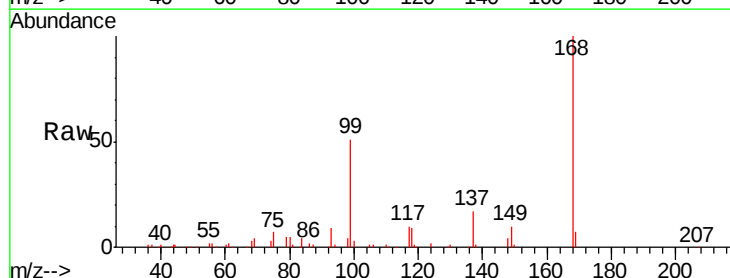
Tgt Ion: 117 Resp: 7843

Ion Ratio Lower Upper

117 100

119 7.5 73.5 110.3#

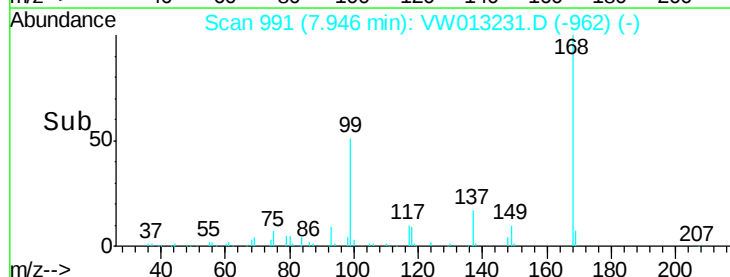
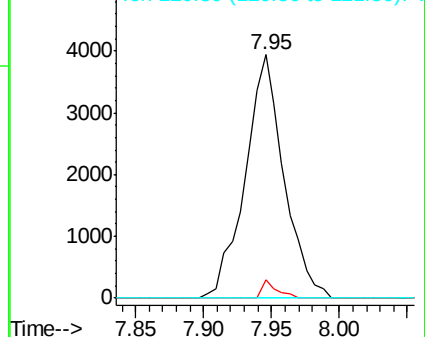
121 0.0 25.0 37.6#

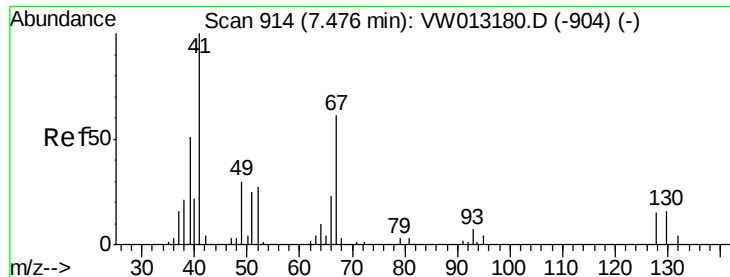


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

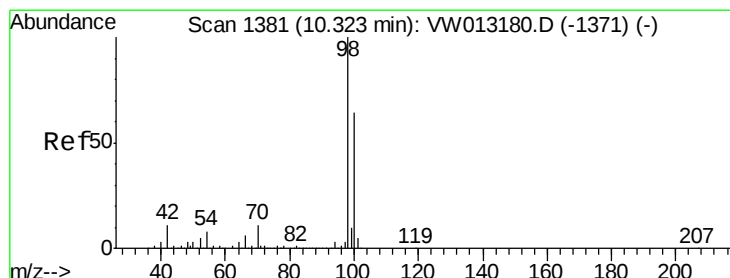
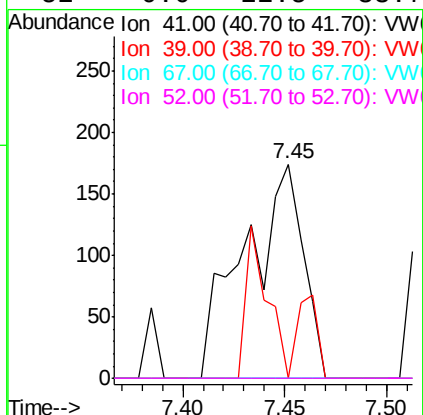
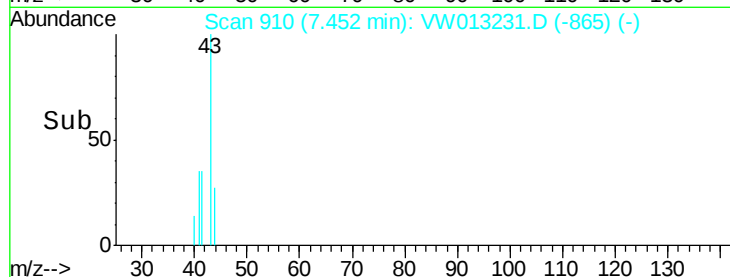
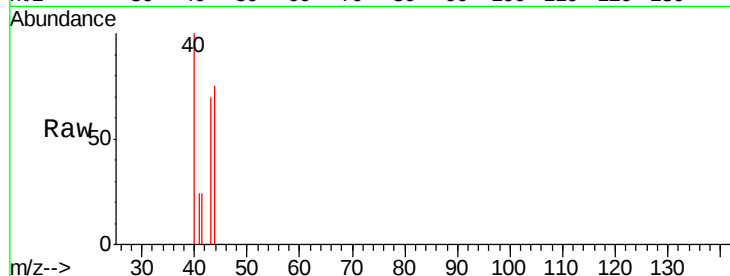




#41
Methacrylonitrile
Concen: 1.175 ug/l
RT: 7.45 min Scan# 910
Delta R.T. -0.02 min
Lab File: VW013231.D
Acq: 23 Sep 2019 15:12

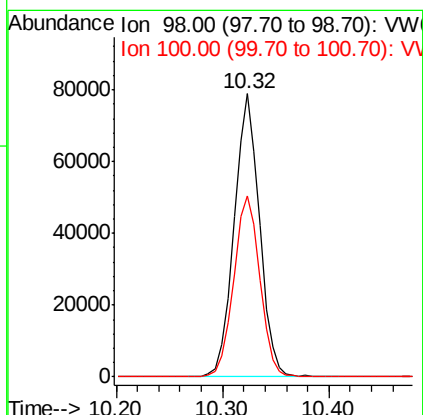
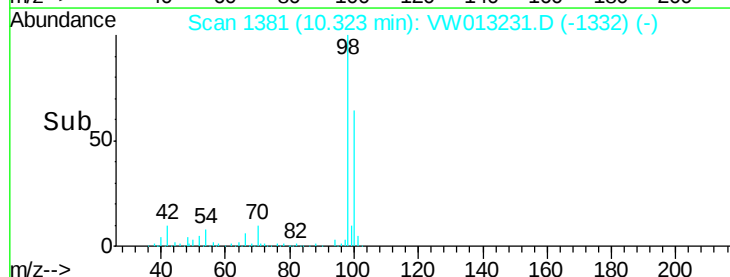
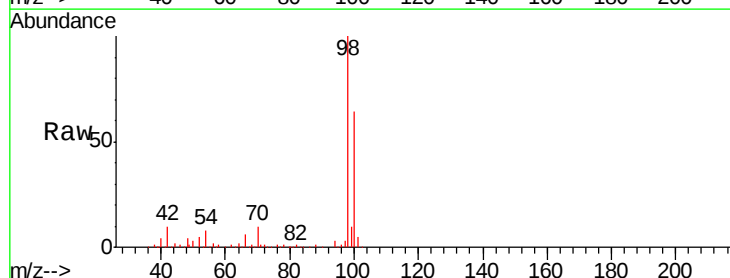
Instrument :
MSVOA_W
ClientSampleId :
SB-7

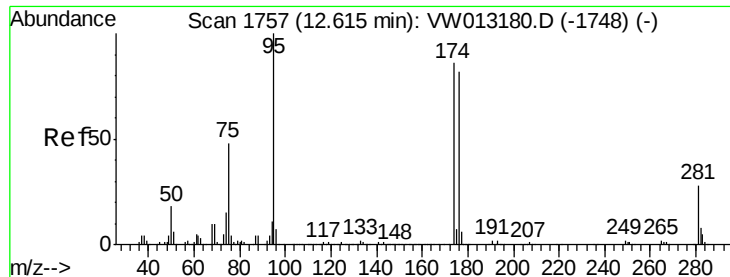
Tgt Ion: 41 Resp: 350
Ion Ratio Lower Upper
41 100
39 13.7 45.9 68.9#
67 0.0 54.5 81.7#
52 0.0 22.5 33.7#



#50
Toluene-d8
Concen: 47.371 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013231.D
Acq: 23 Sep 2019 15:12

Tgt Ion: 98 Resp: 132241
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3

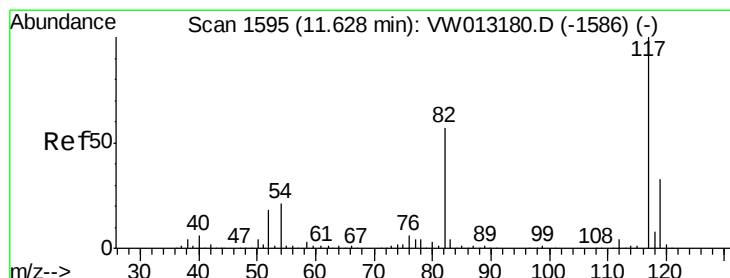
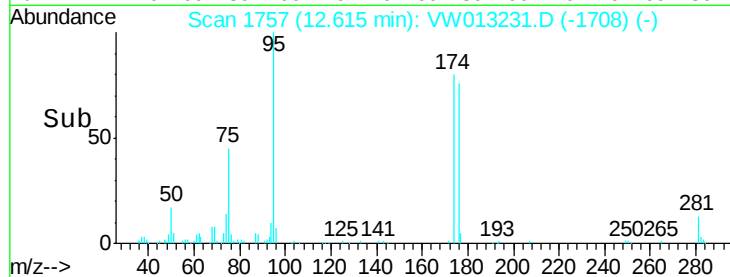
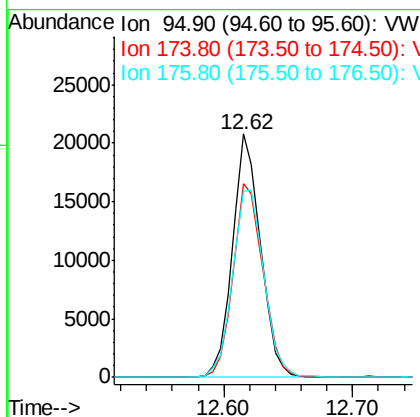
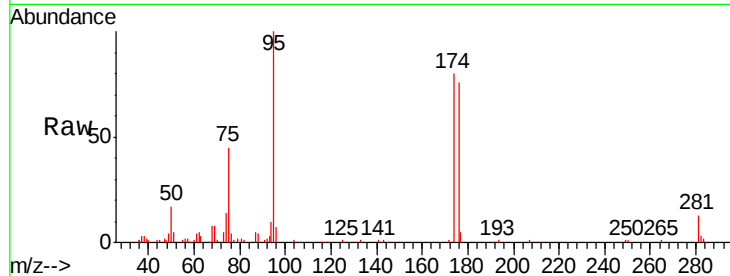




#62
4-Bromofluorobenzene
Concen: 33.093 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013231.D
Acq: 23 Sep 2019 15:12

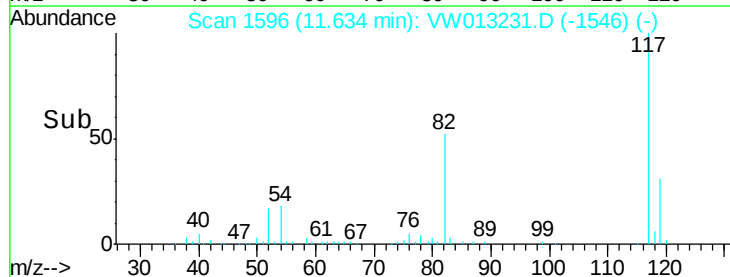
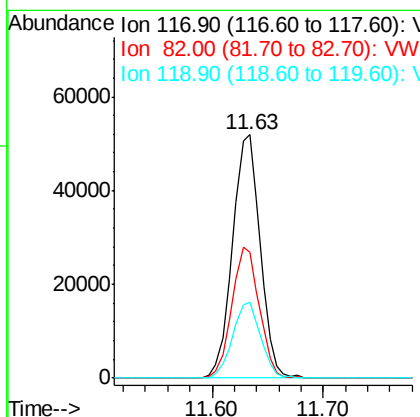
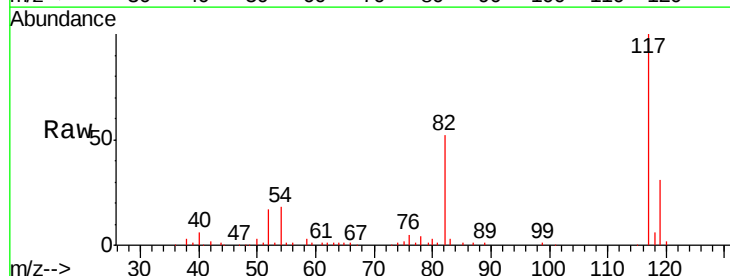
Instrument :
MSVOA_W
ClientSampled :
SB-7

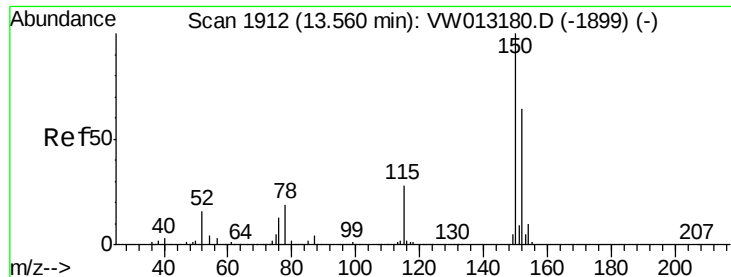
Tgt Ion: 95 Resp: 31557
Ion Ratio Lower Upper
95 100
174 84.7 0.0 178.4
176 85.8 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013231.D
Acq: 23 Sep 2019 15:12

Tgt Ion: 117 Resp: 89447
Ion Ratio Lower Upper
117 100
82 51.8 45.9 68.9
119 31.2 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013231.D

Acq: 23 Sep 2019 15:12

Instrument :

MSVOA_W

ClientSampled :

SB-7

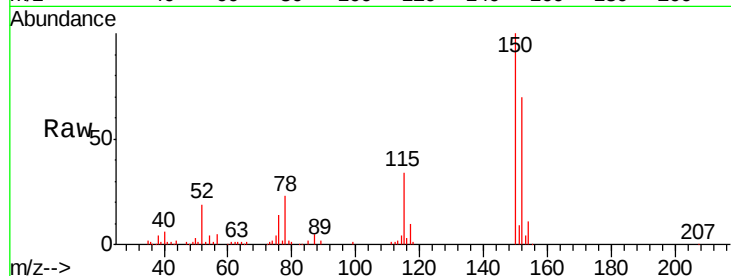
Tgt Ion:152 Resp: 23622

Ion Ratio Lower Upper

152 100

115 51.4 27.3 81.9

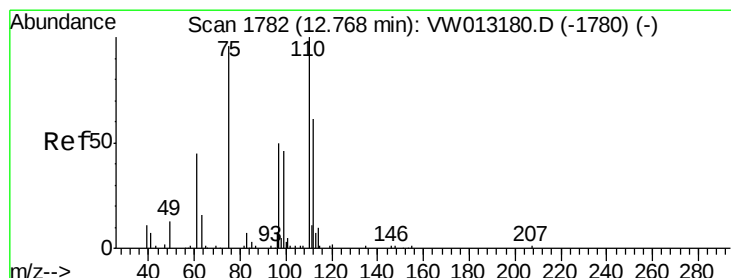
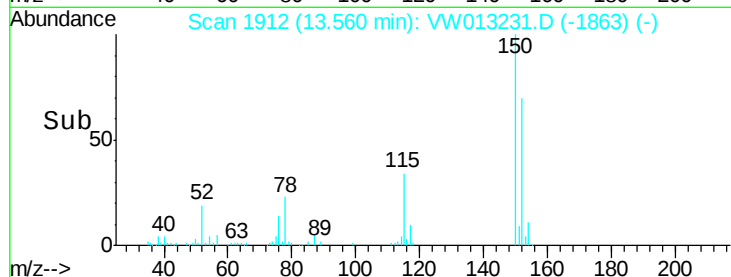
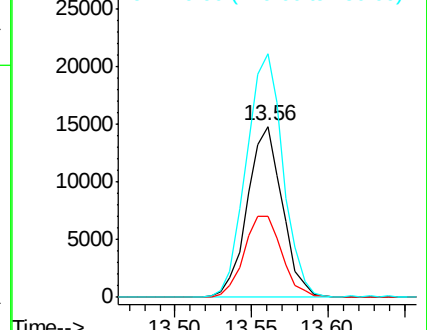
150 149.4 0.0 349.0



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: 72.392 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013231.D

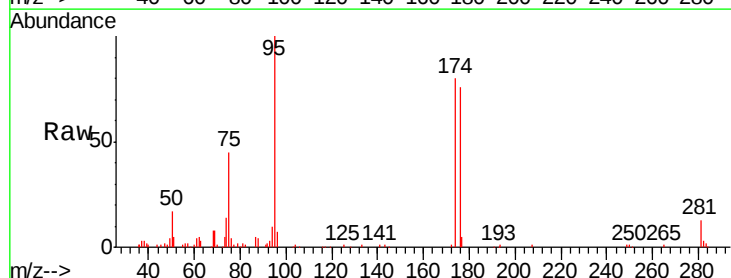
Acq: 23 Sep 2019 15:12

Tgt Ion: 75 Resp: 15102

Ion Ratio Lower Upper

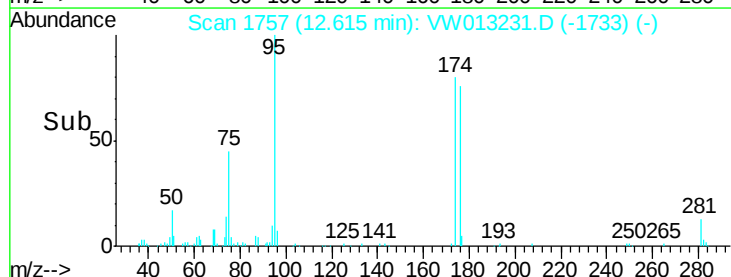
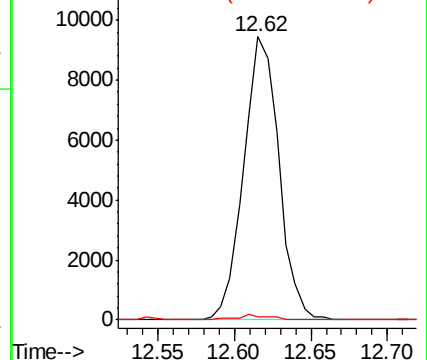
75 100

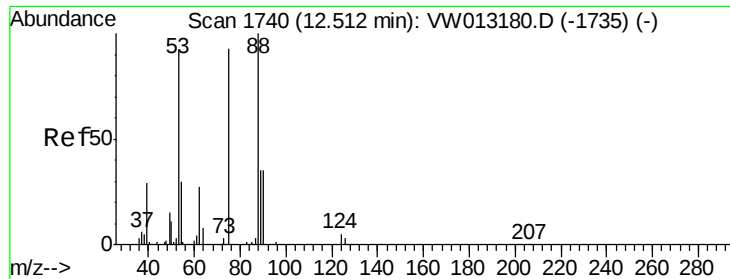
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

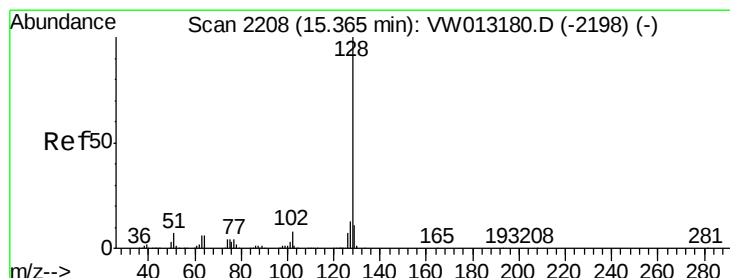
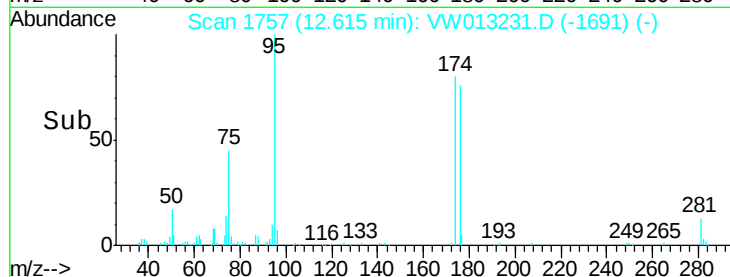
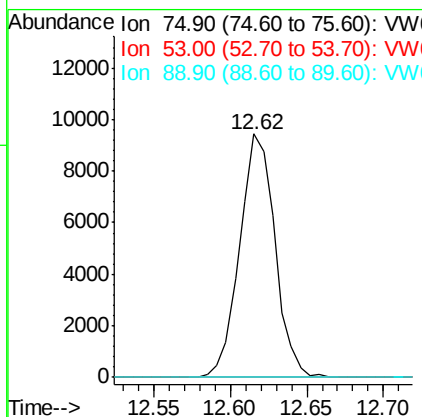
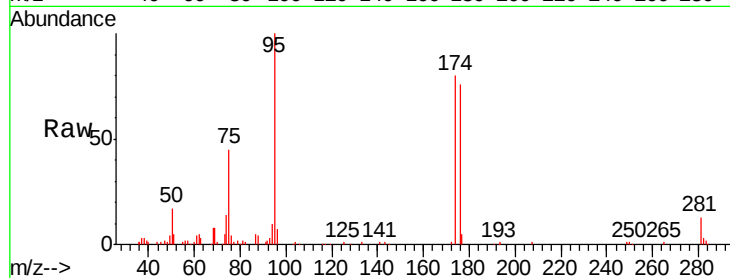




#81
trans-1,4-Dichloro-2-butene
Concen: 162.442 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW013231.D
Acq: 23 Sep 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
SB-7

Tgt Ion: 75 Resp: 15102
Ion Ratio Lower Upper
75 100
53 0.0 76.6 114.8#
89 0.0 33.5 50.3#



#95
Naphthalene
Concen: 2.743 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW013231.D
Acq: 23 Sep 2019 15:12

Tgt Ion: 128 Resp: 2213
Ion Ratio Lower Upper
128 100
127 14.3 10.6 15.8
129 10.7 8.7 13.1

