

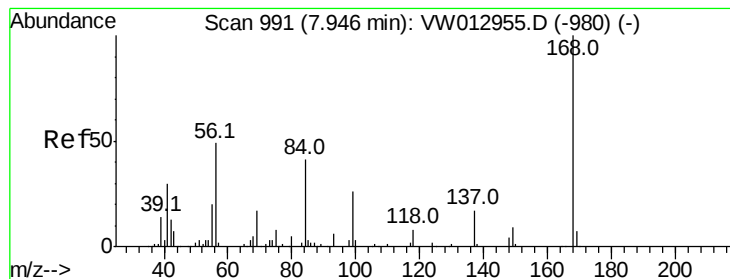
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013100.D
 Acq On : 17 Sep 2019 19:30
 Operator : SY/VA
 Sample : K4847-07
 Misc : 4.99G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:35:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	71711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	102125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	89281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	33209	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	36238	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
35) Dibromofluoromethane	7.88	113	30228	54.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.10%	
50) Toluene-d8	10.32	98	122362	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
62) 4-Bromofluorobenzene	12.62	95	37717	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.09	85	30	Below Cal	#	44
3) Chloromethane	2.20	50	216	Below Cal		98
11) Tert butyl alcohol	5.12	59	1047	2.186 ug/l	#	72
13) Acrolein	3.97	56	34	Below Cal	#	15
16) Acetone	4.13	43	1308	Below Cal		95
20) Methylene Chloride	4.91	84	2180	Below Cal	#	72
25) 2-Butanone	7.15	43	1913	9.084 ug/l	#	82
26) 2,2-Dichloropropane	7.13	77	2358	Below Cal	#	55
31) Cyclohexane	7.95	56	1643	Below Cal	#	17
36) 1,1-Dichloropropene	7.95	75	5599	6.861 ug/l	#	51
38) Carbon Tetrachloride	7.95	117	6605	7.898 ug/l	#	19
49) 1,4-Dioxane	9.19	88	60	12.348 ug/l	#	1
51) 4-Methyl-2-Pentanone	10.21	43	695	1.619 ug/l	#	48
55) 1,1,2-Trichloroethane	10.70	97	716	1.621 ug/l	#	32
76) 1,2,3-Trichloropropane	12.62	75	19348	66.514 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	19348	150.887 ug/l	#	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013100.D

Acq: 17 Sep 2019 19:30

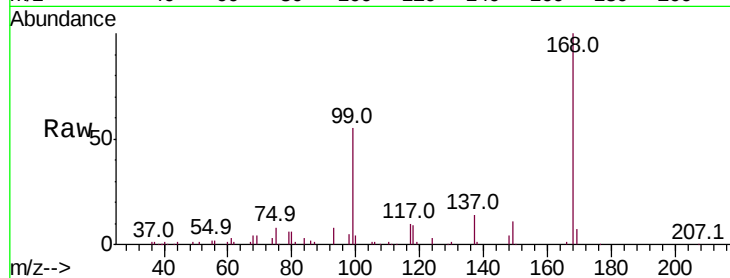
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 71711

Ion Ratio Lower Upper

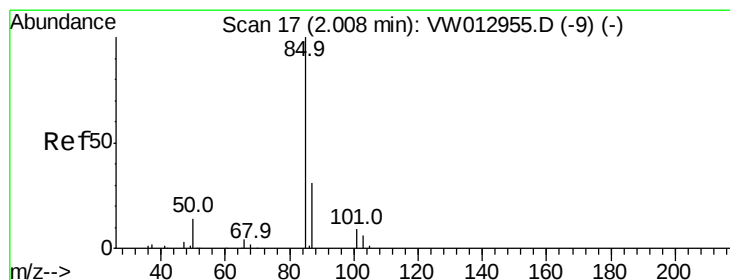
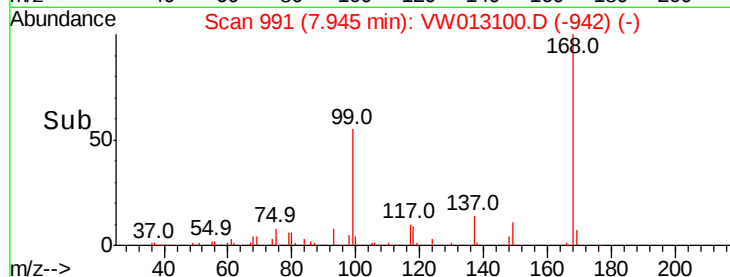
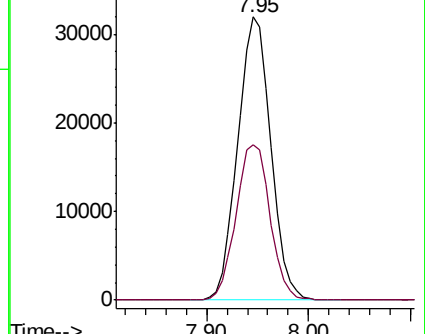
168 100

99 54.8 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.09 min Scan# 30

Delta R.T. 0.08 min

Lab File: VW013100.D

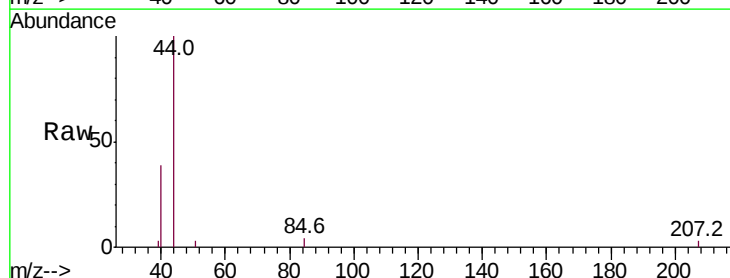
Acq: 17 Sep 2019 19:30

Tgt Ion: 85 Resp: 30

Ion Ratio Lower Upper

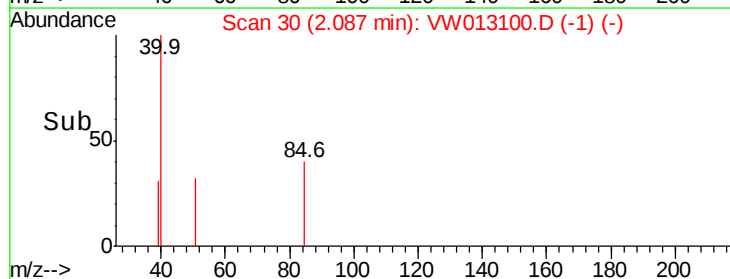
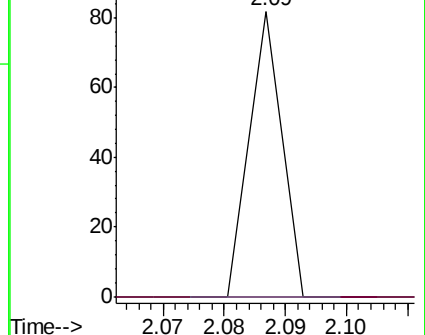
85 100

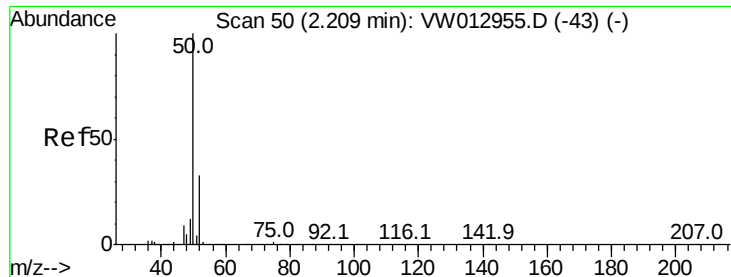
87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013100.D

Acq: 17 Sep 2019 19:30

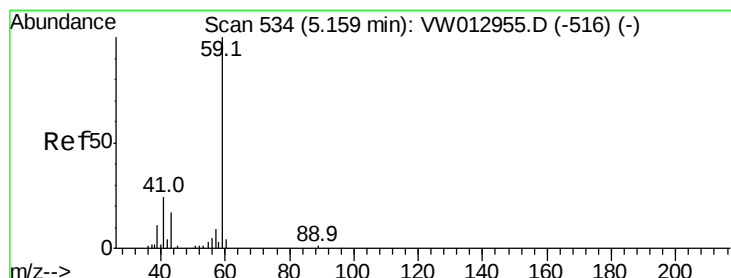
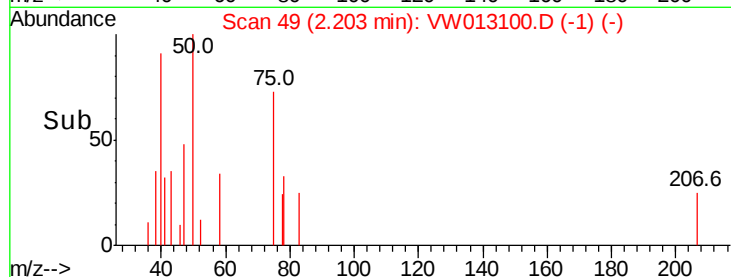
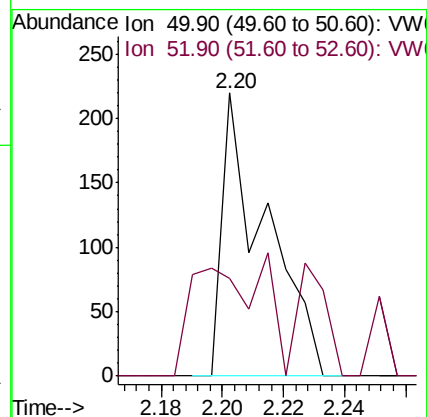
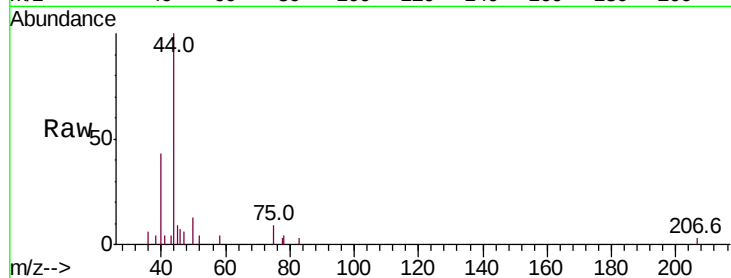
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 216

Ion Ratio Lower Upper

50 100

52 34.5 26.6 39.8



#11

Tert butyl alcohol

Concen: 2.186 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW013100.D

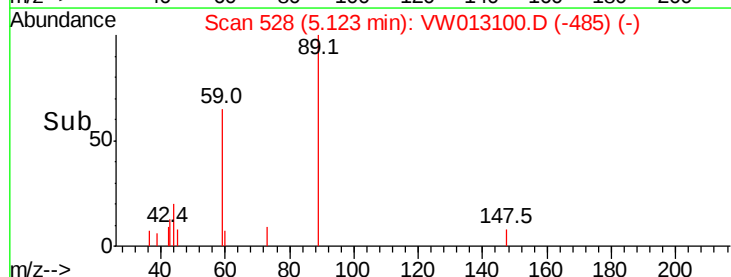
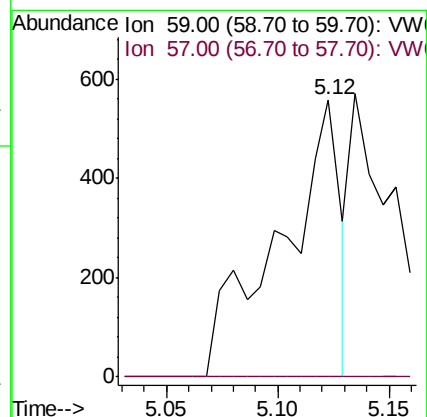
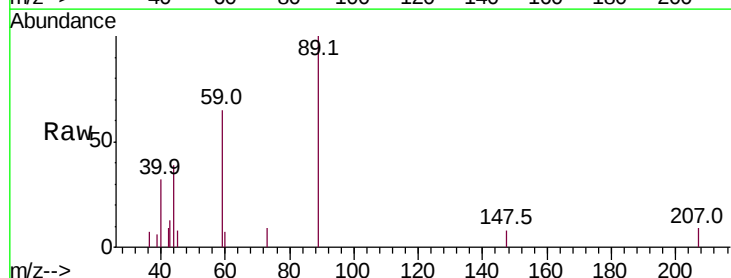
Acq: 17 Sep 2019 19:30

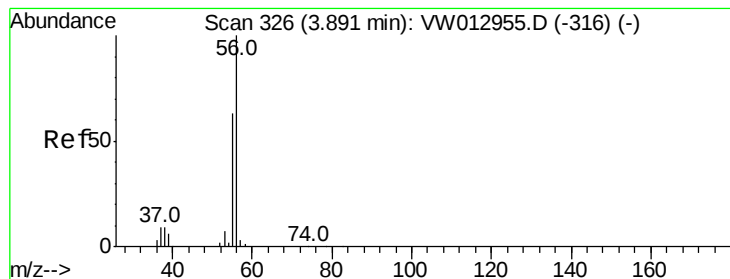
Tgt Ion: 59 Resp: 1047

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.97 min Scan# 339

Delta R.T. 0.08 min

Lab File: VW013100.D

Acq: 17 Sep 2019 19:30

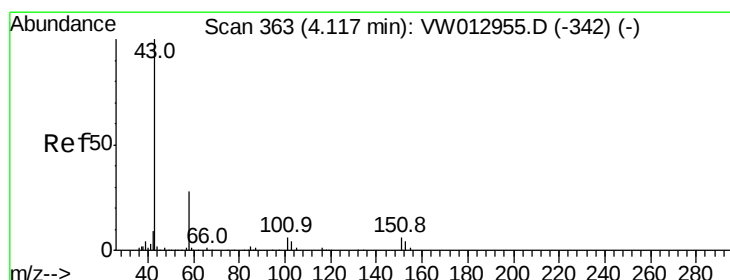
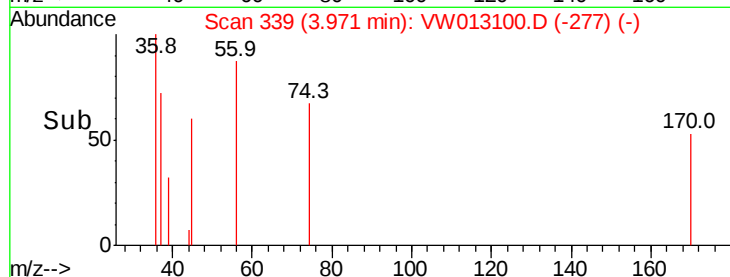
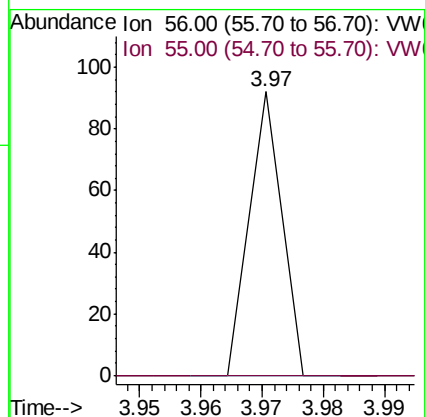
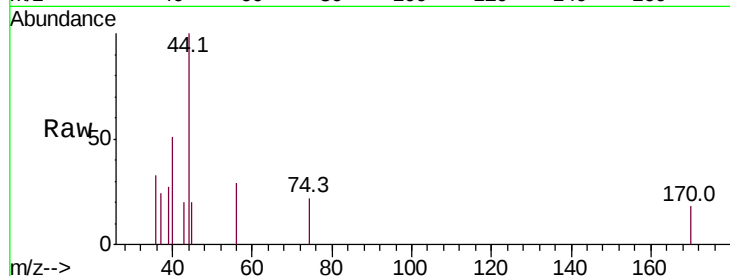
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 34

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013100.D

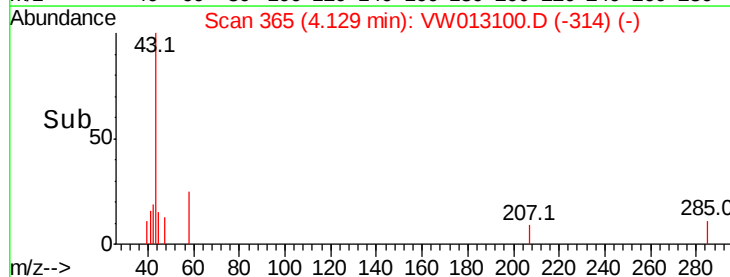
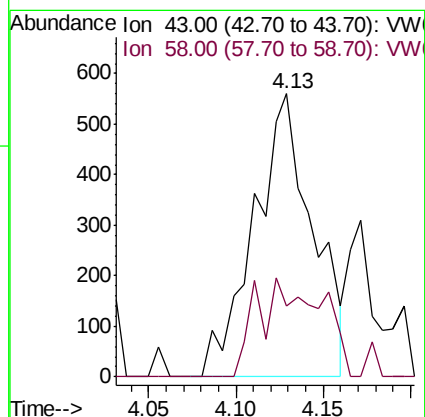
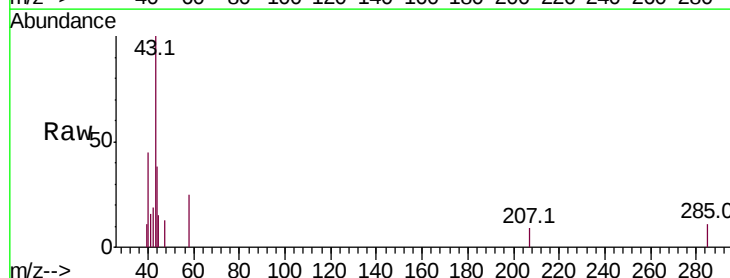
Acq: 17 Sep 2019 19:30

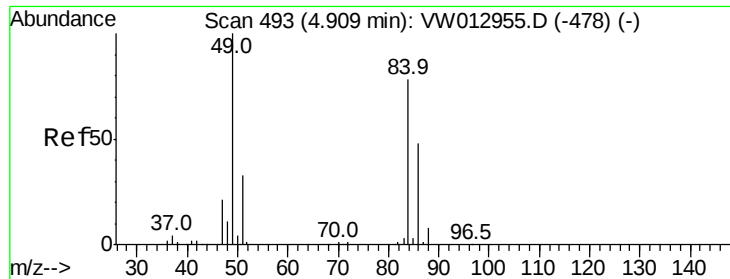
Tgt Ion: 43 Resp: 1308

Ion Ratio Lower Upper

43 100

58 25.2 22.3 33.5

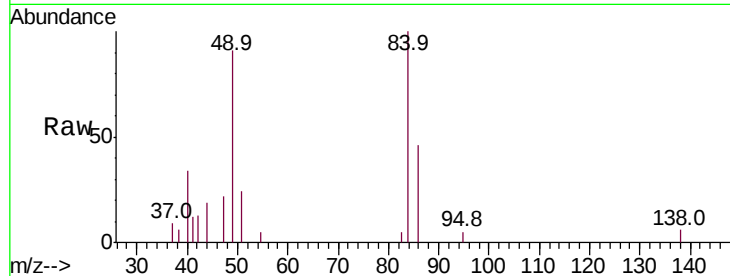




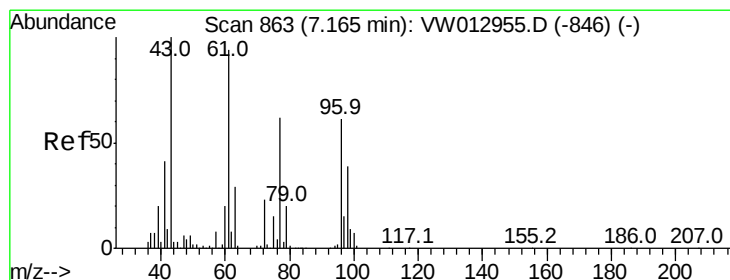
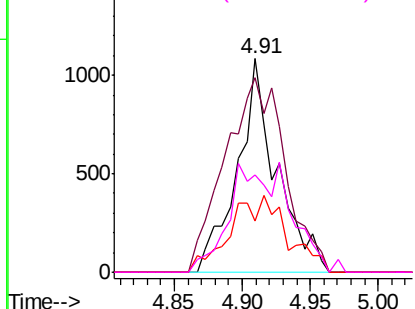
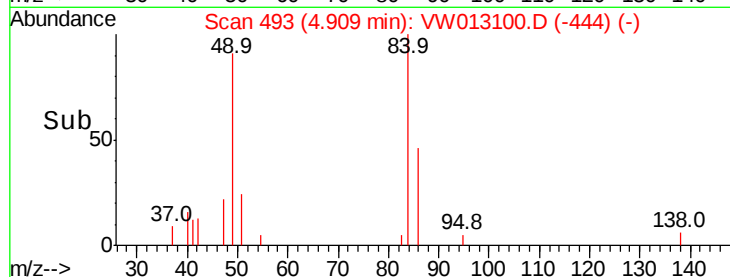
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013100.D
Acq: 17 Sep 2019 19:30

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 2180
Ion Ratio Lower Upper
84 100
49 91.0 102.0 153.0#
51 23.8 34.0 51.0#
86 45.6 48.5 72.7#

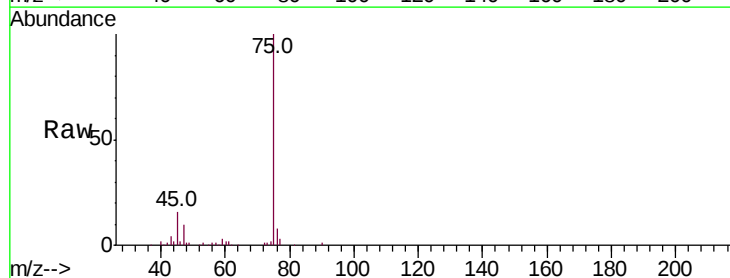


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

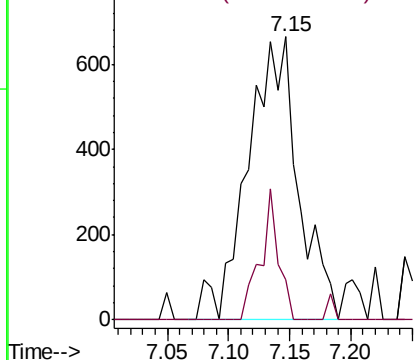
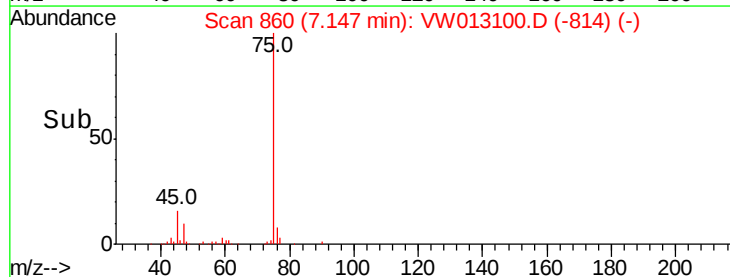


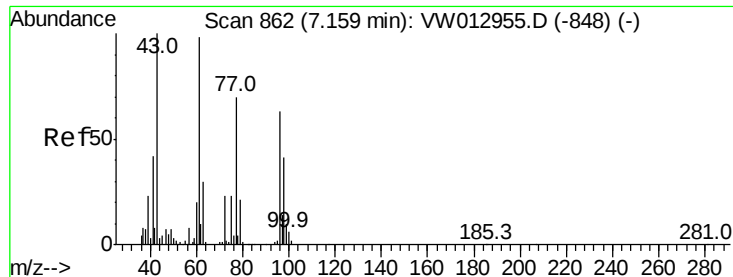
#25
2-Butanone
Concen: 9.084 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW013100.D
Acq: 17 Sep 2019 19:30

Tgt Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
72 14.0 18.2 27.4#



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: 7.13 min Scan# 857

Delta R.T. -0.03 min

Lab File: VW013100.D

Acq: 17 Sep 2019 19:30

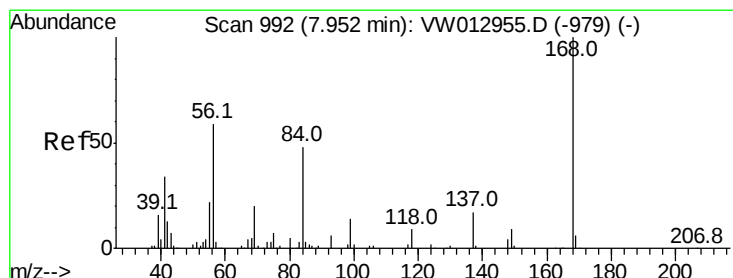
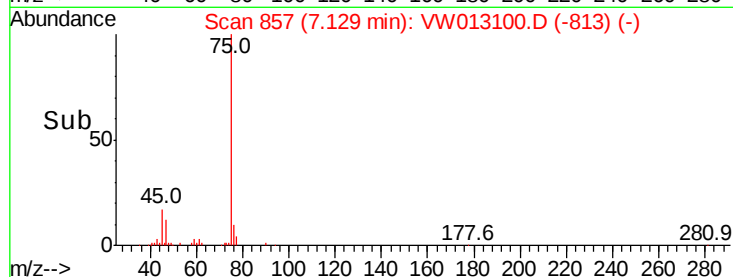
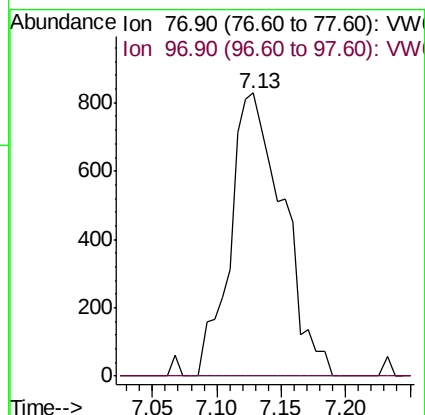
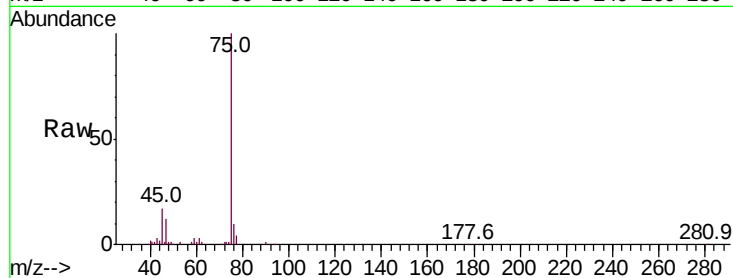
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 77 Resp: 2358

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#



#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013100.D

Acq: 17 Sep 2019 19:30

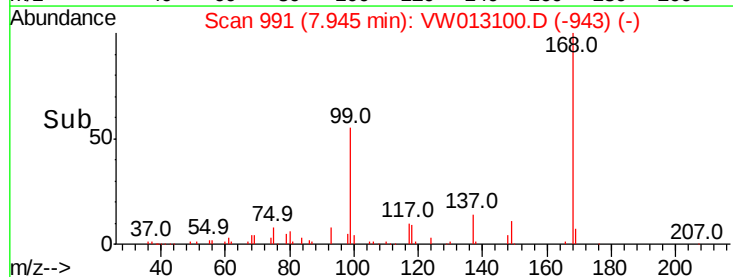
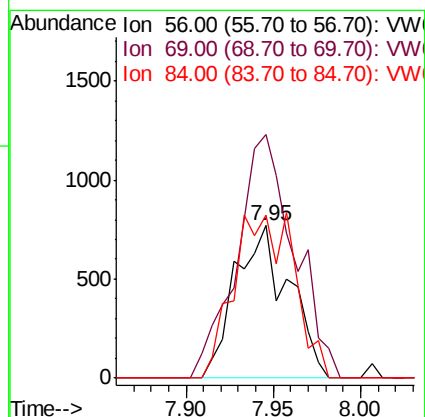
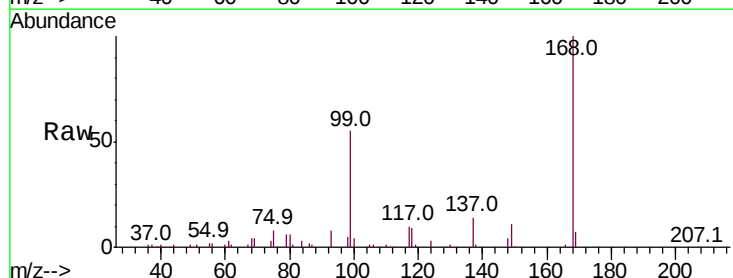
Tgt Ion: 56 Resp: 1643

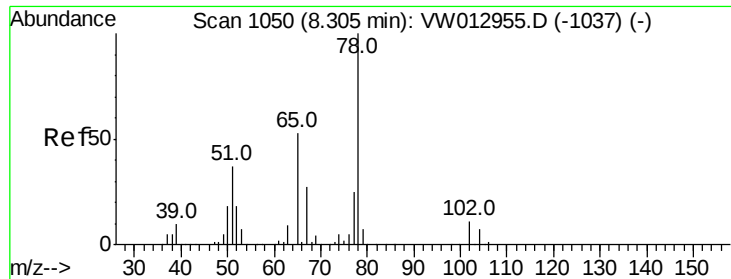
Ion Ratio Lower Upper

56 100

69 160.0 27.0 40.6#

84 106.8 66.2 99.2#





#33

1,2-Dichloroethane-d4

Concen: 54.715 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013100.D

Acq: 17 Sep 2019 19:30

Instrument :

MSVOA_W

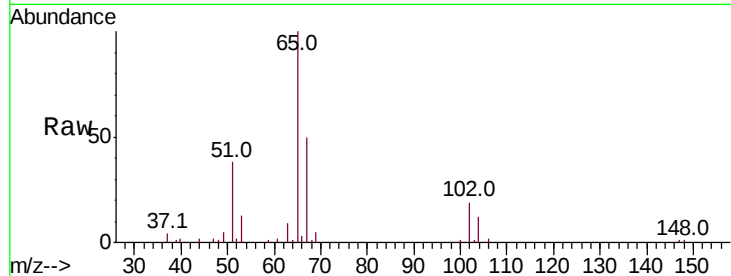
ClientSampled :

Tot Ion: 65 Resp: 36238

Ion Ratio Lower Upper

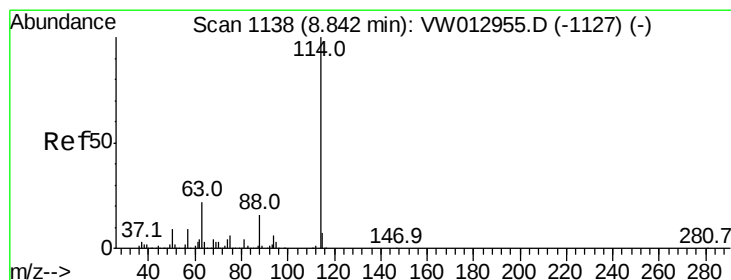
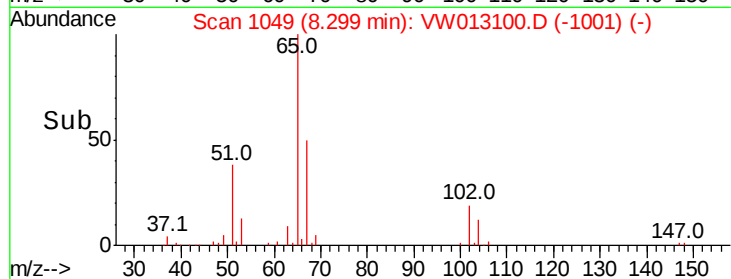
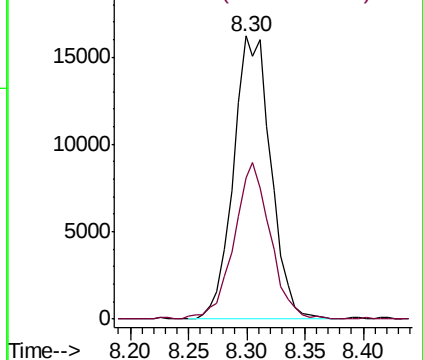
65 100

67 53.4 0.0 101.2



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: VW013100.D

Acq: 17 Sep 2019 19:30

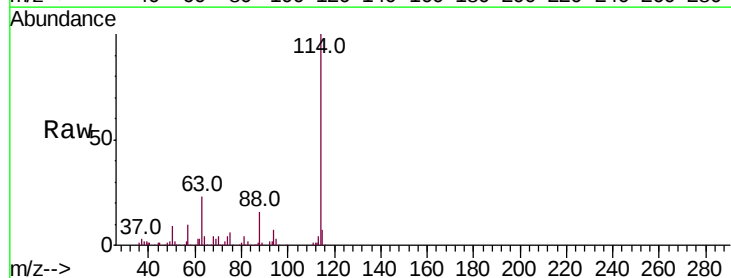
Tgt Ion: 114 Resp: 102125

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.4

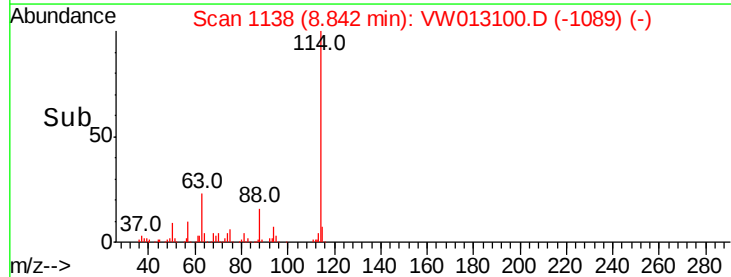
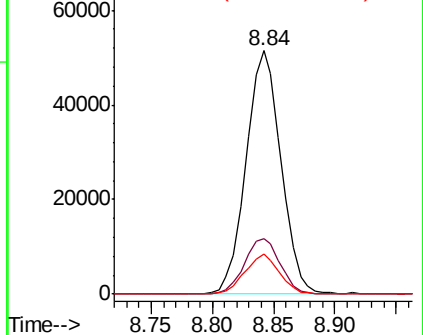
88 16.5 0.0 31.6

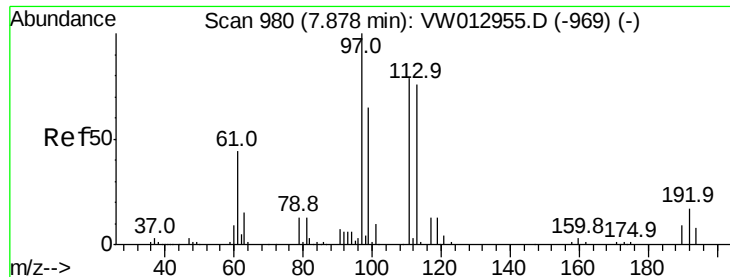


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 54.549 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013100.D

Acq: 17 Sep 2019 19:30

Instrument :

MSVOA_W

ClientSampleId :

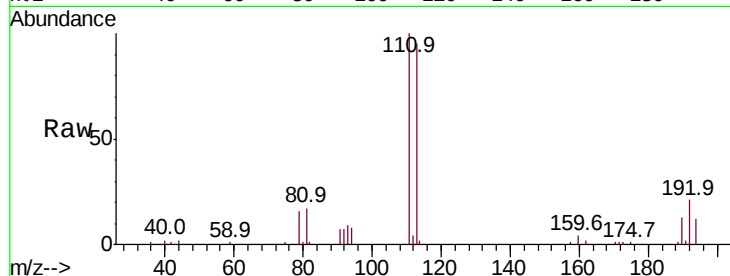
Tot Ion:113 Resp: 30228

Ion Ratio Lower Upper

113 100

111 108.1 82.8 124.2

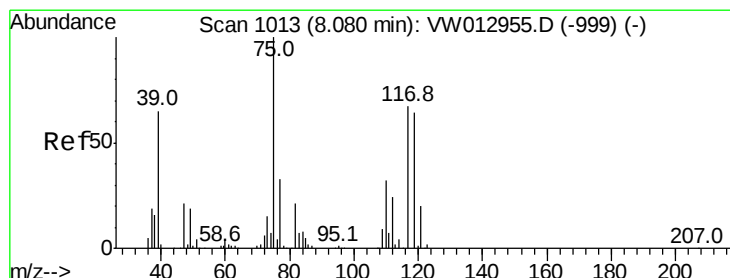
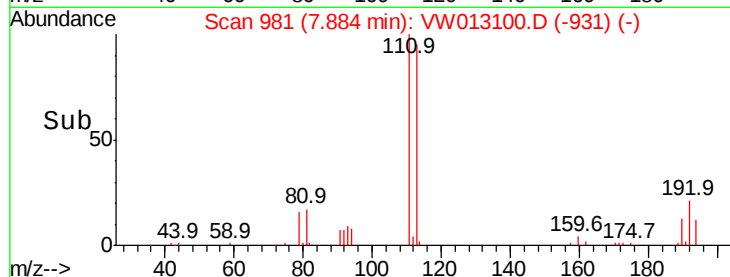
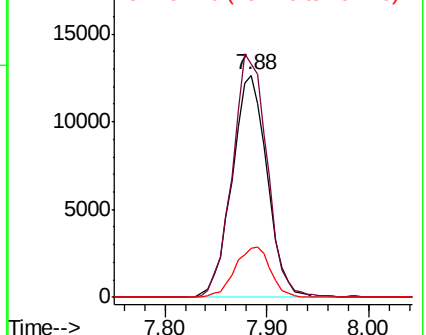
192 22.9 17.8 26.8



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: 6.861 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013100.D

Acq: 17 Sep 2019 19:30

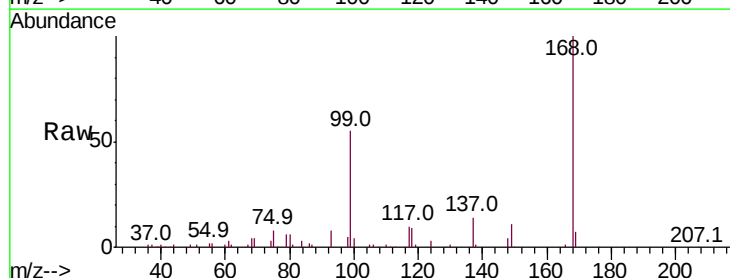
Tgt Ion: 75 Resp: 5599

Ion Ratio Lower Upper

75 100

110 9.3 16.4 49.1#

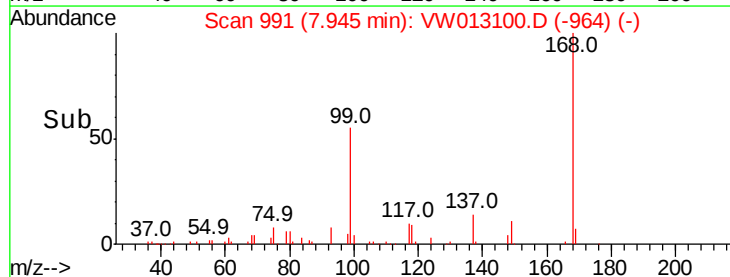
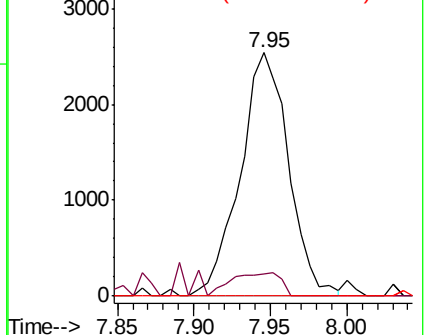
77 0.0 25.1 37.7#

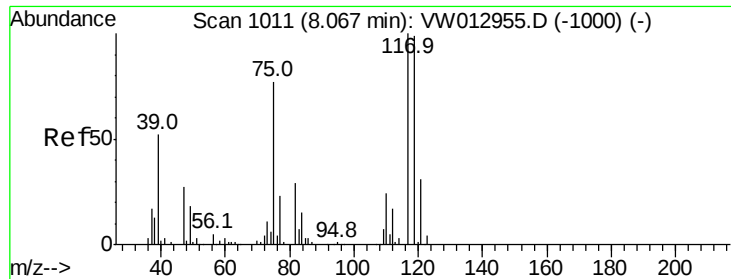


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

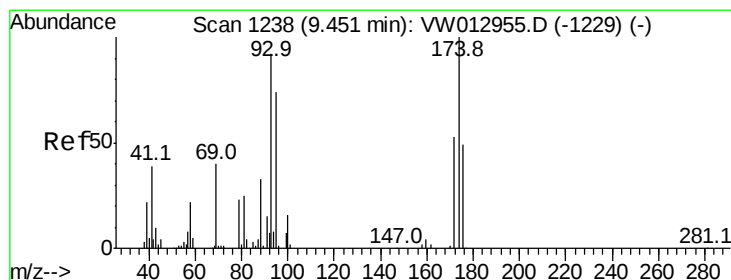
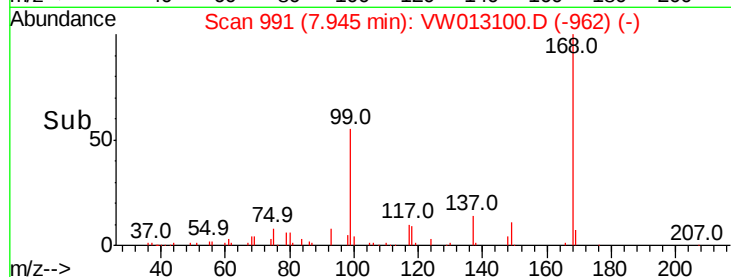
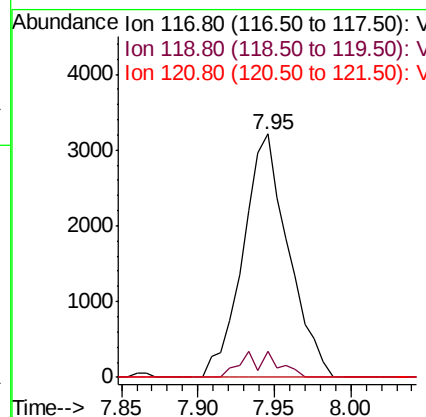
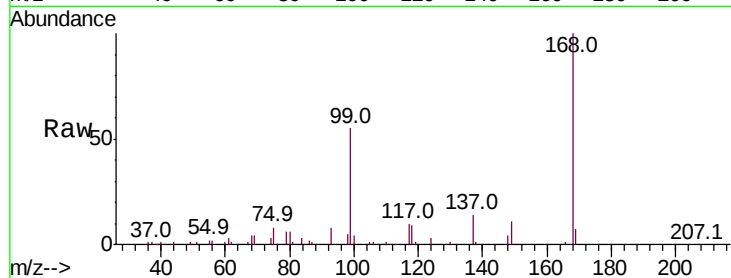




#38
Carbon Tetrachloride
Concen: 7.898 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013100.D
Acq: 17 Sep 2019 19:30

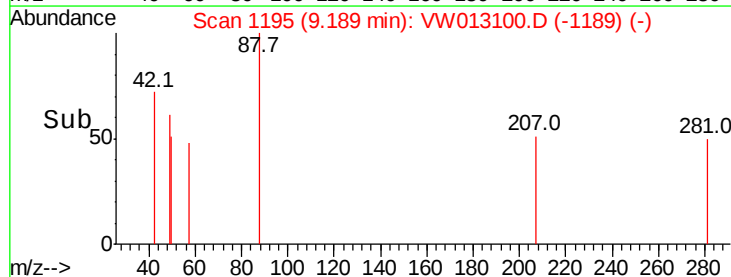
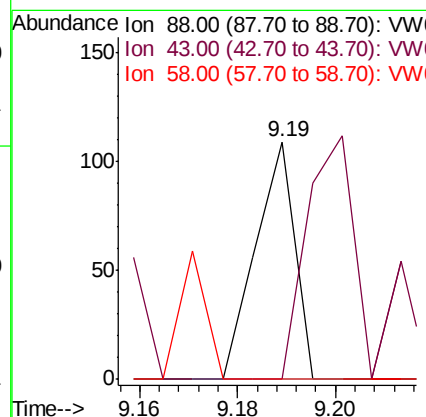
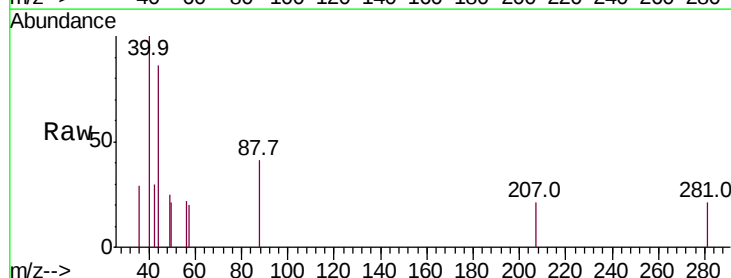
Instrument :
MSVOA_W
ClientSampleId :

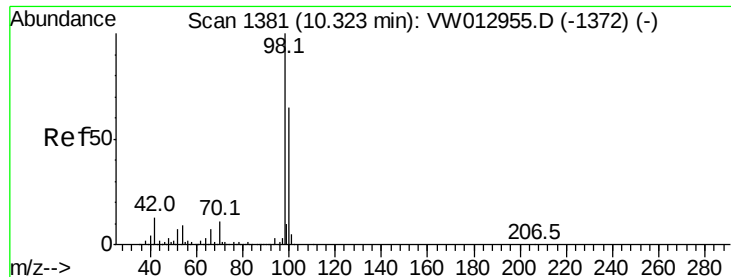
Tot Ion:117 Resp: 6605
Ion Ratio Lower Upper
117 100
119 10.7 79.4 119.0#
121 0.0 24.6 36.8#



#49
1,4-Dioxane
Concen: 12.348 ug/l
RT: 9.19 min Scan# 1195
Delta R.T. -0.26 min
Lab File: VW013100.D
Acq: 17 Sep 2019 19:30

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 156.7 31.3 46.9#
58 0.0 60.2 90.2#





#50

Toluene-d8

Concen: 56.429 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013100.D

Acq: 17 Sep 2019 19:30

Instrument :

MSVOA_W

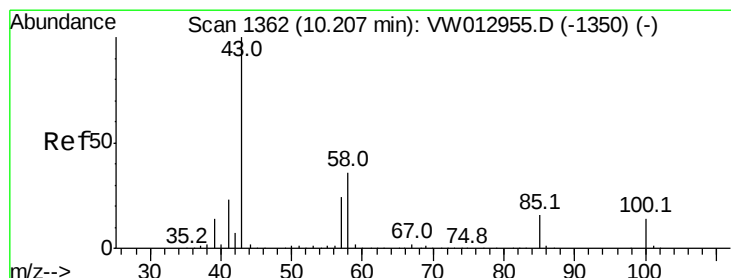
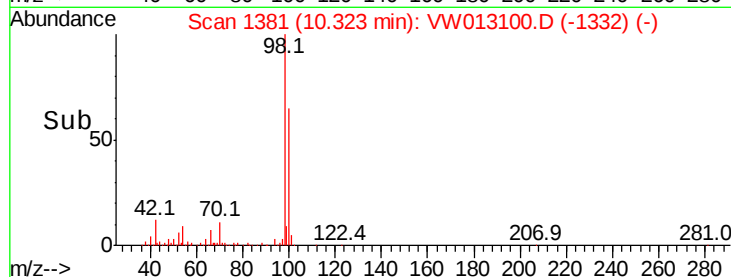
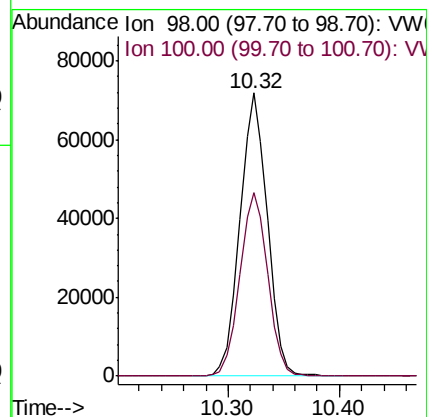
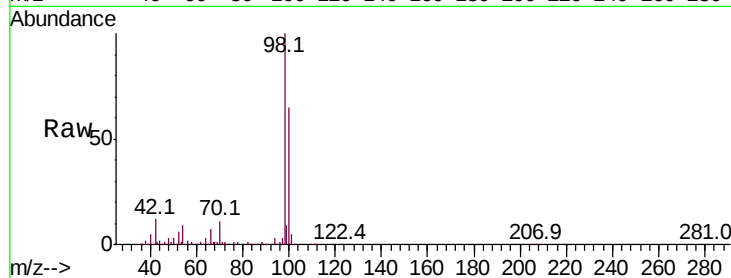
ClientSampleId :

Tot Ion: 98 Resp: 122362

Ion Ratio Lower Upper

98 100

100 65.7 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 1.619 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW013100.D

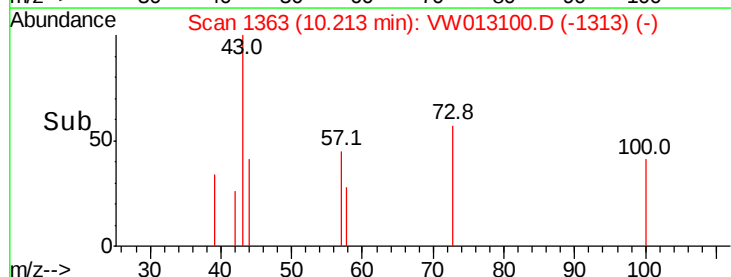
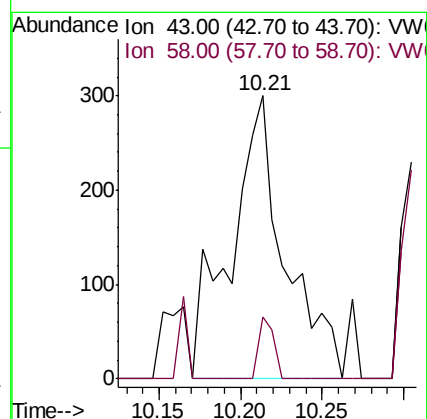
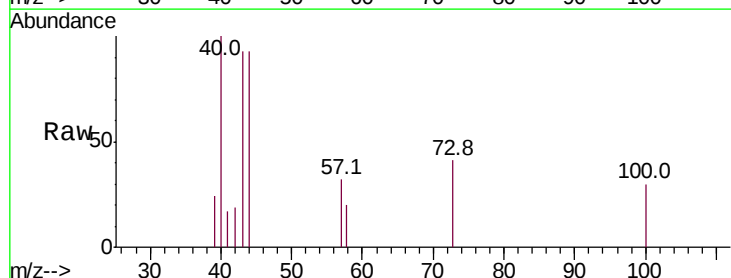
Acq: 17 Sep 2019 19:30

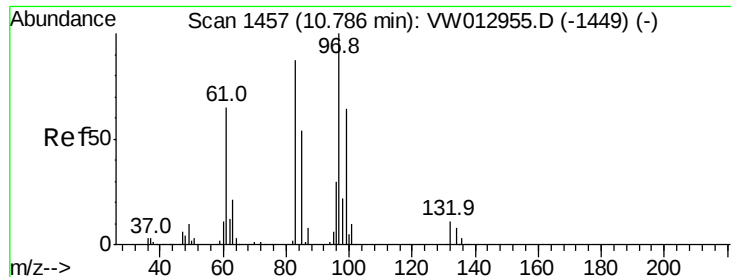
Tgt Ion: 43 Resp: 695

Ion Ratio Lower Upper

43 100

58 6.2 29.5 44.3#





#55

1,1,2-Trichloroethane

Concen: 1.621 ug/l

RT: 10.70 min Scan# 1443

Delta R.T. -0.09 min

Lab File: VW013100.D

Acq: 17 Sep 2019 19:30

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 716

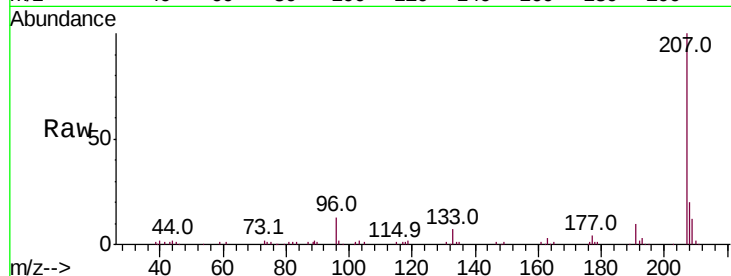
Ion Ratio Lower Upper

97 100

83 36.6 69.4 104.0#

85 0.0 43.3 64.9#

99 0.0 50.9 76.3#

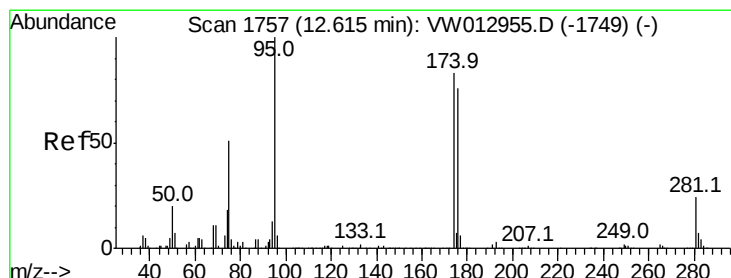
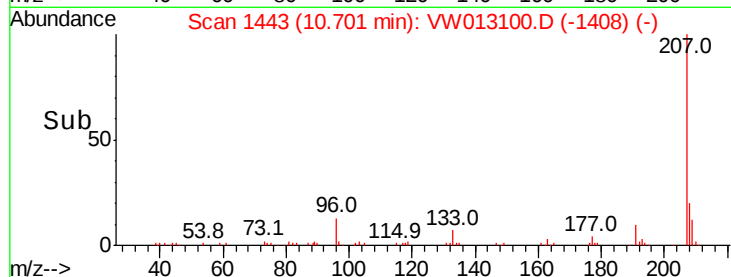
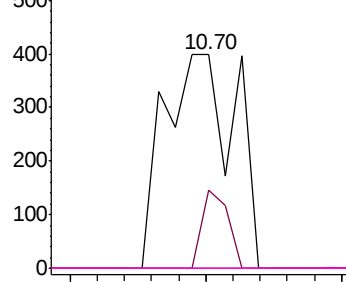


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#62

4-Bromofluorobenzene

Concen: 48.373 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013100.D

Acq: 17 Sep 2019 19:30

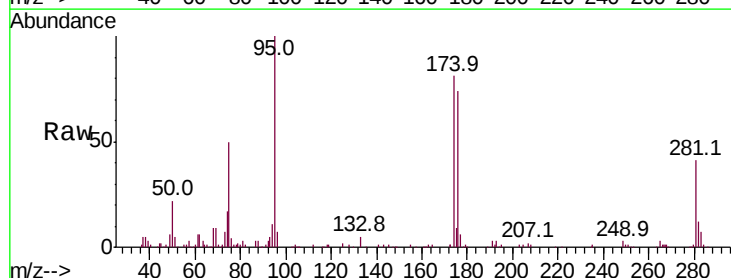
Tgt Ion: 95 Resp: 37717

Ion Ratio Lower Upper

95 100

174 84.8 0.0 170.4

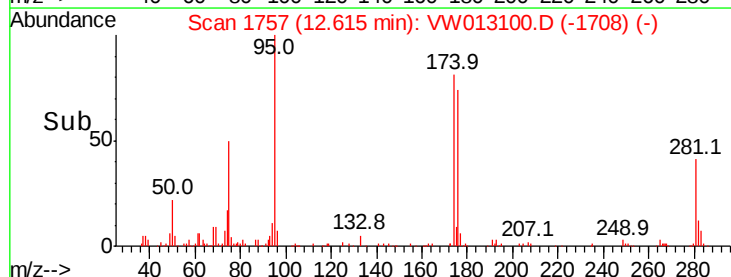
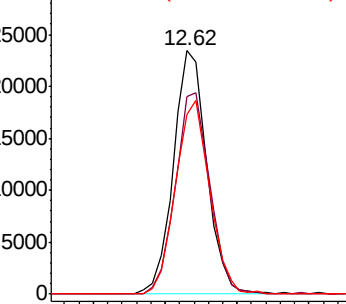
176 81.5 0.0 164.6

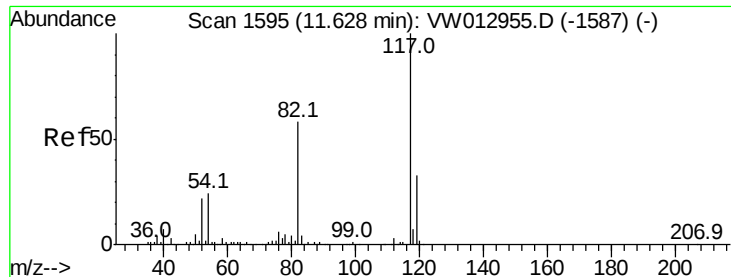


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

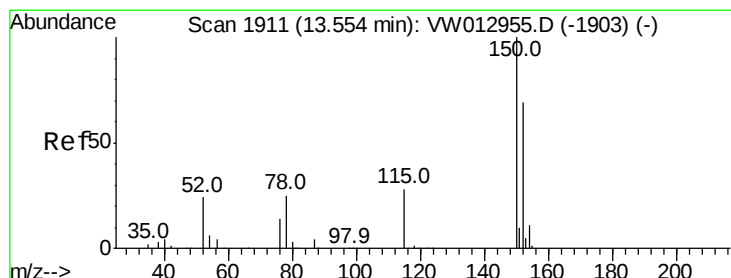
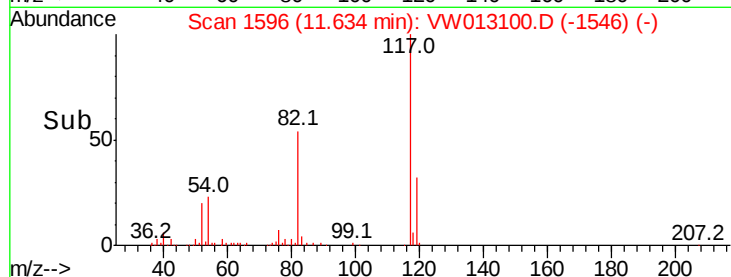
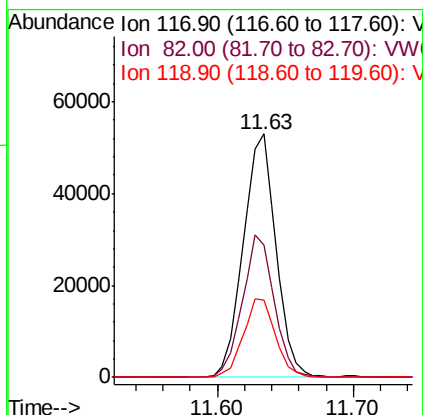
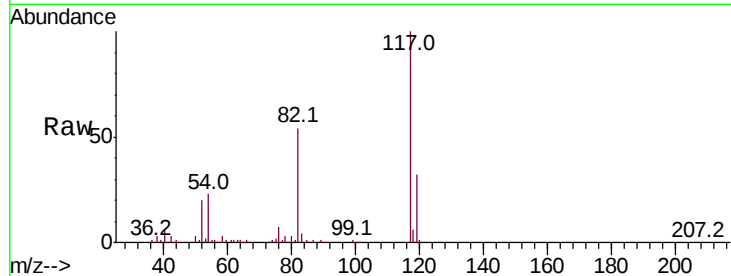




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013100.D
Acq: 17 Sep 2019 19:30

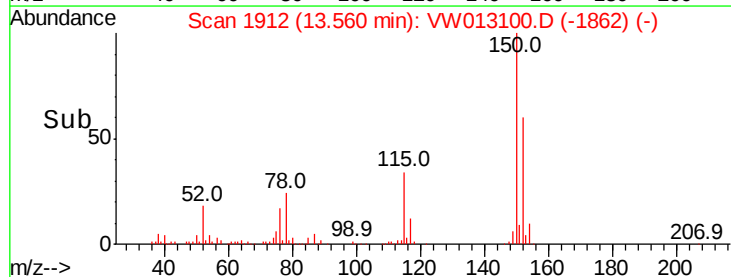
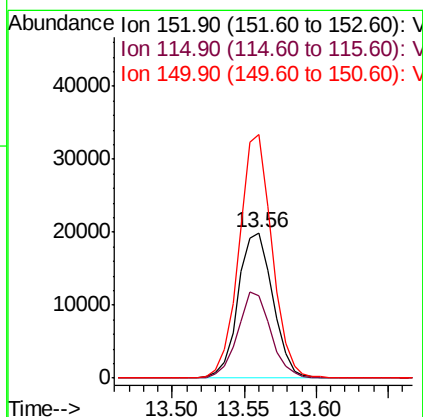
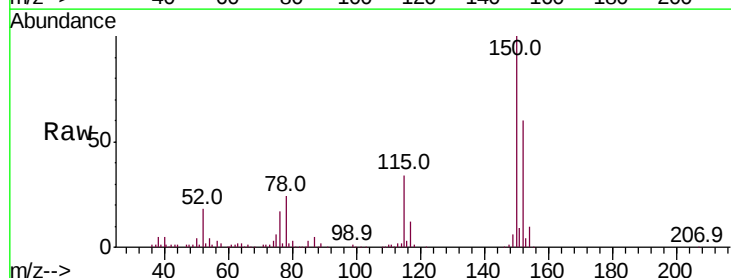
Instrument :
MSVOA_W
ClientSampleId :

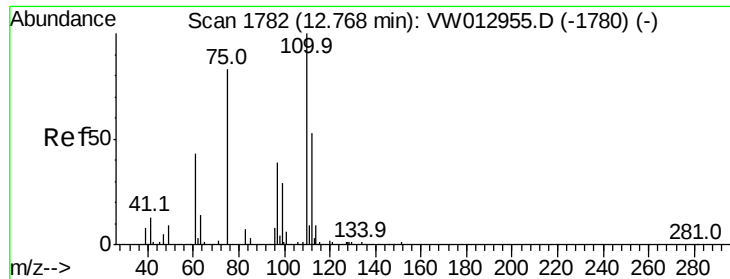
Tot Ion:117 Resp: 89281
Ion Ratio Lower Upper
117 100
82 54.4 46.3 69.5
119 31.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013100.D
Acq: 17 Sep 2019 19:30

Tgt Ion:152 Resp: 33209
Ion Ratio Lower Upper
152 100
115 56.7 28.8 86.4
150 159.2 0.0 340.2

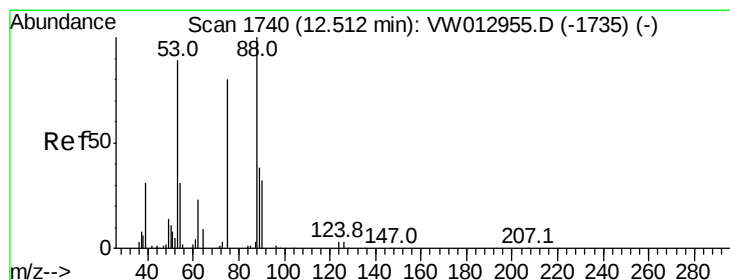
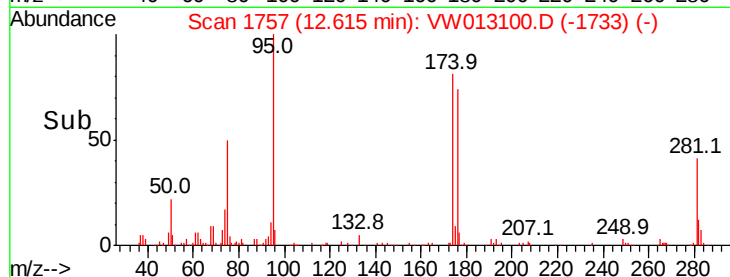
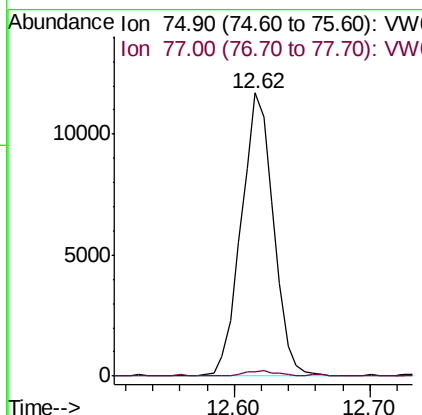
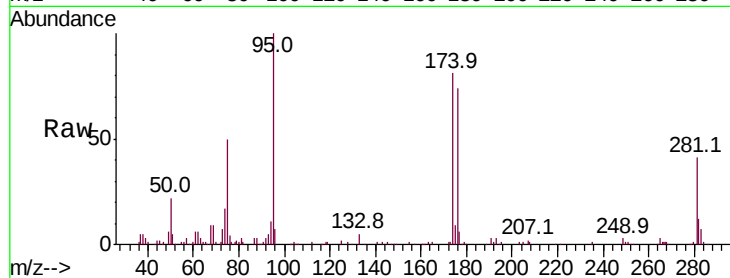




#76
 1,2,3-Trichloropropane
 Concen: 66.514 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013100.D
 Acq: 17 Sep 2019 19:30

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 19348
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.887 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013100.D
 Acq: 17 Sep 2019 19:30

Tgt Ion: 75 Resp: 19348
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.6 128.4#
 89 0.6 37.2 55.8#

