

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW012987.D
 Acq On : 14 Sep 2019 12:29
 Operator : SY/VA
 Sample : K4719-06RE
 Misc : 1.94G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:51:43 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	243355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	374884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	255864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69903	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	137095	61.00	ug/l	0.00
Spiked Amount			Recovery	=	122.00%	
35) Dibromofluoromethane	7.88	113	113196	55.65	ug/l	0.00
Spiked Amount			Recovery	=	111.30%	
50) Toluene-d8	10.32	98	416623	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.62	95	96892	33.85	ug/l	0.00
Spiked Amount			Recovery	=	67.70%	

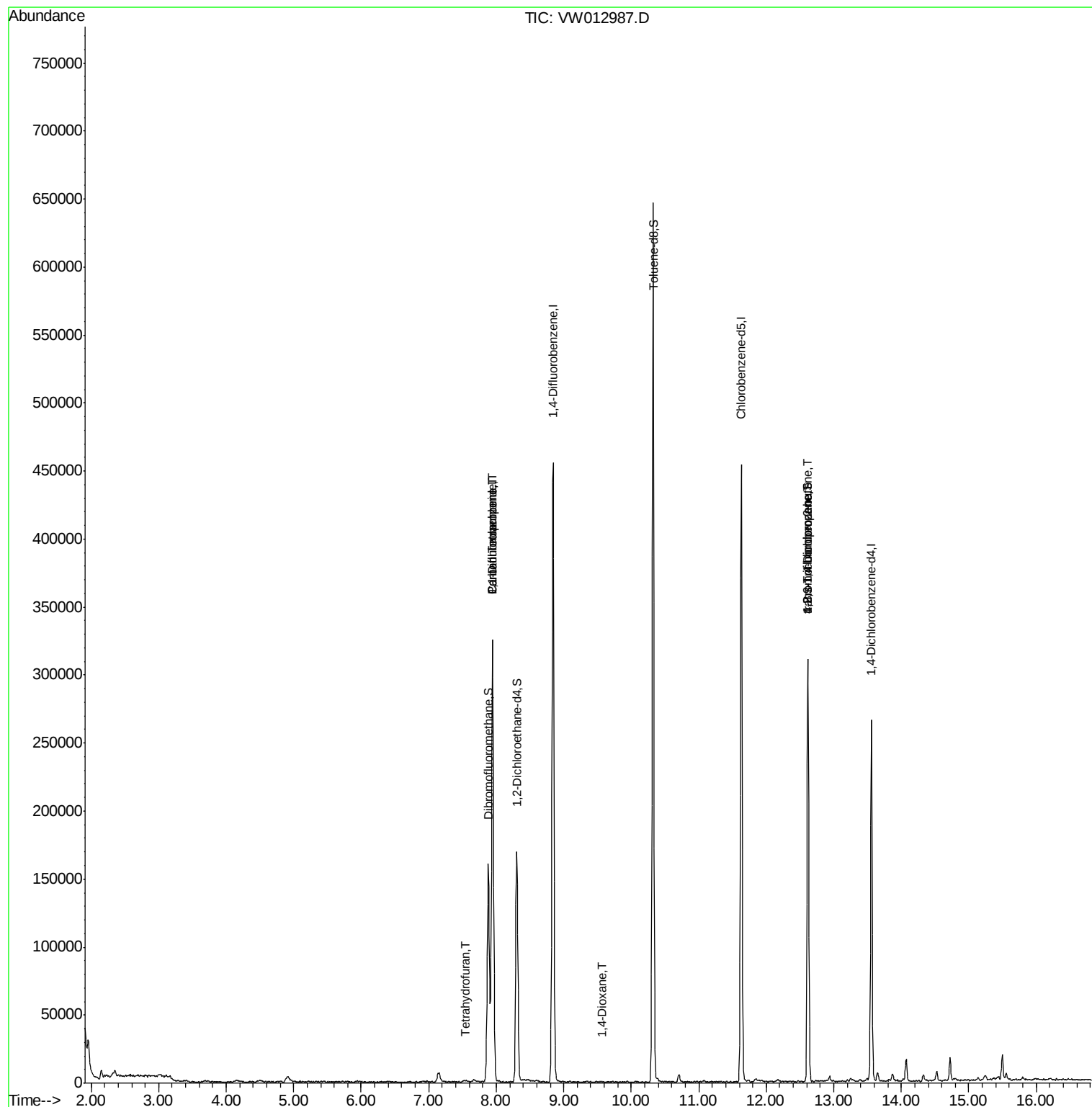
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	199	Below Cal	#	73
11) Tert butyl alcohol	5.14	59	20	Below Cal	#	1
13) Acrolein	3.87	56	25	Below Cal	#	1
16) Acetone	4.15	43	2861	Below Cal	#	57
20) Methylene Chloride	4.90	84	1691	Below Cal	#	95
26) 2,2-Dichloropropane	7.15	77	444	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	1158	2.844	ug/l #	43
31) Cyclohexane	7.95	56	5437	Below Cal	#	32
36) 1,1-Dichloropropene	7.95	75	17734	5.920	ug/l #	54
38) Carbon Tetrachloride	7.95	117	23838	7.765	ug/l #	15
49) 1,4-Dioxane	9.57	88	21	1.177	ug/l #	20
76) 1,2,3-Trichloropropane	12.62	75	51619	84.304	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51619	191.242	ug/l #	7

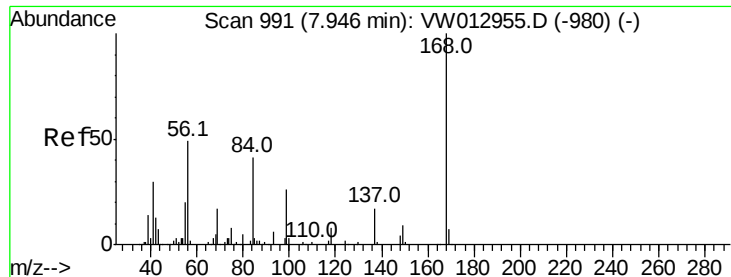
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091519\
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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: VW012987.D

Acq: 14 Sep 2019 12:29

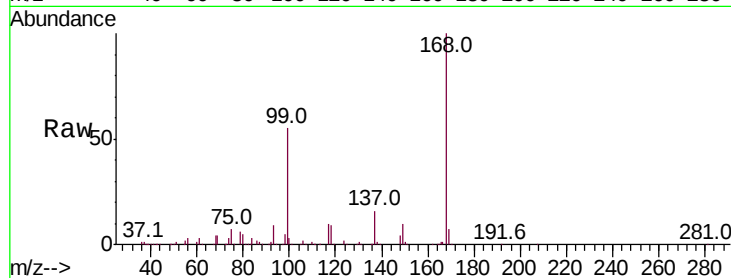
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 243355

Ion Ratio Lower Upper

168 100

99 55.1 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

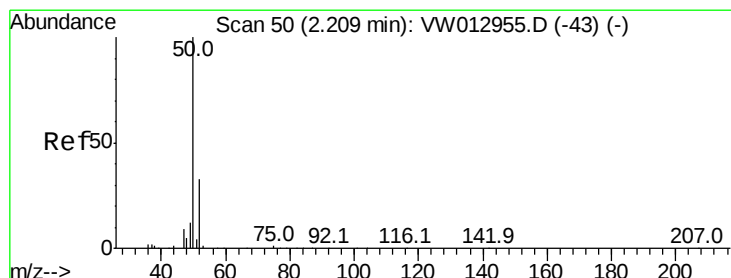
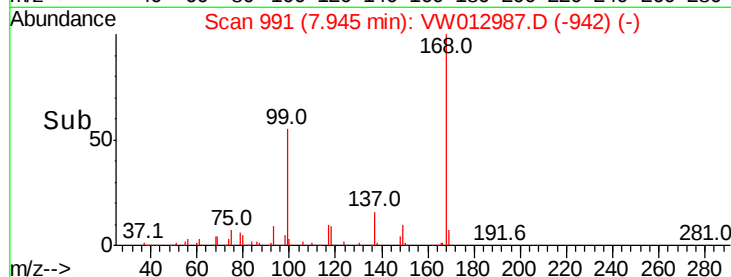
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012987.D

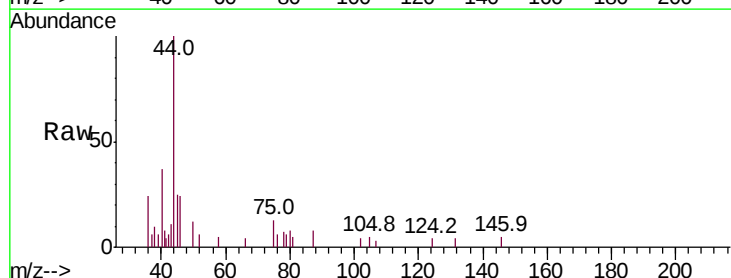
Acq: 14 Sep 2019 12:29

Tgt Ion: 50 Resp: 199

Ion Ratio Lower Upper

50 100

52 48.6 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.20

200

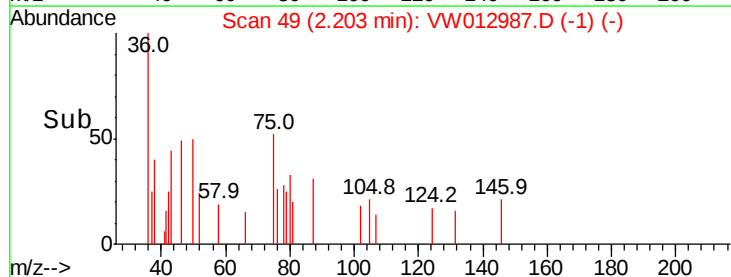
150

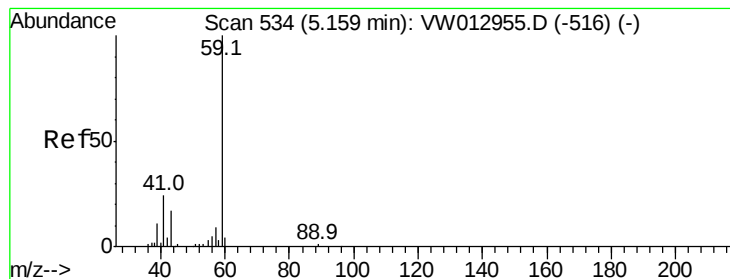
100

50

0

Time--> 2.18 2.20



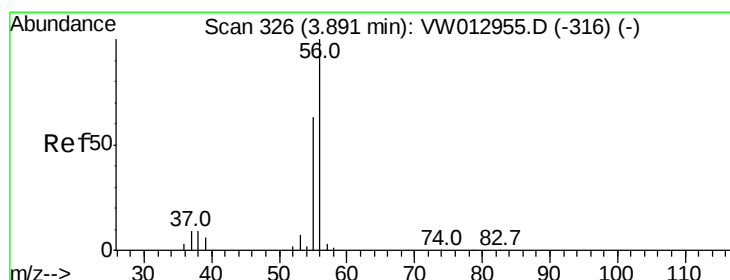
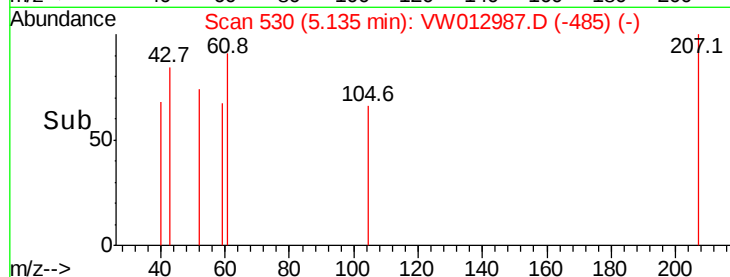
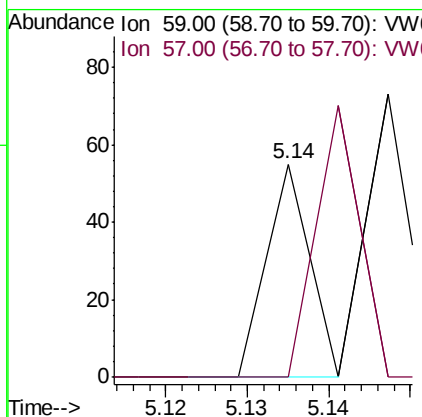
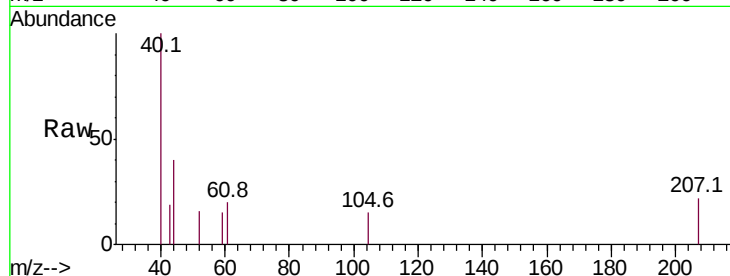


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.14 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VW012987.D
 Acq: 14 Sep 2019 12:29

Instrument :
 MSVOA_W
 ClientSampled :

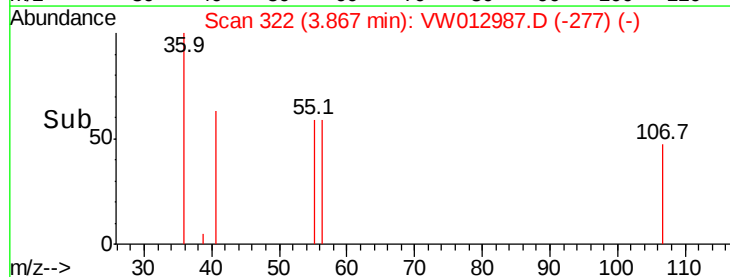
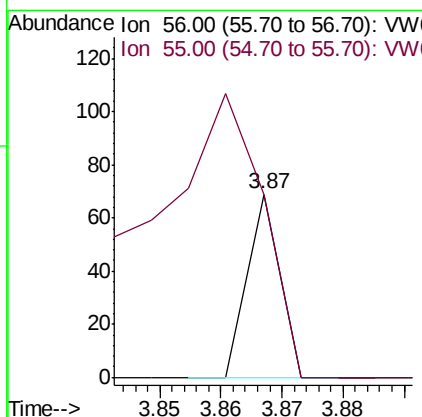
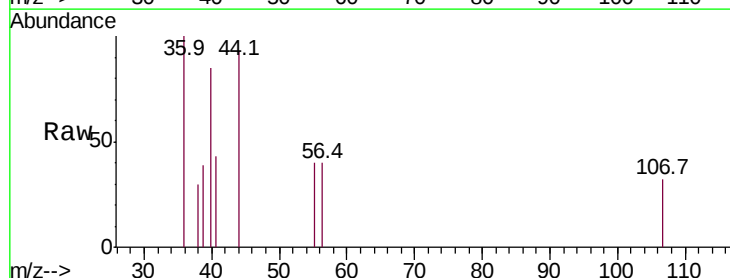
Tot Ion: 59 Resp: 20
 Ion Ratio Lower Upper
 59 100
 57 130.0 8.5 12.7#

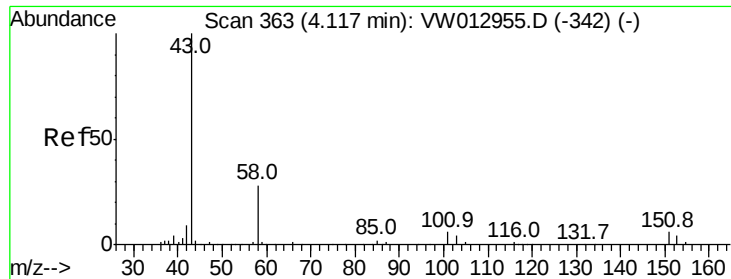


#13

Acrolein
 Concen: Below Cal
 RT: 3.87 min Scan# 322
 Delta R.T. -0.02 min
 Lab File: VW012987.D
 Acq: 14 Sep 2019 12:29

Tgt Ion: 56 Resp: 25
 Ion Ratio Lower Upper
 56 100
 55 360.0 55.8 83.8#





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW012987.D

Acq: 14 Sep 2019 12:29

Instrument :

MSVOA_W

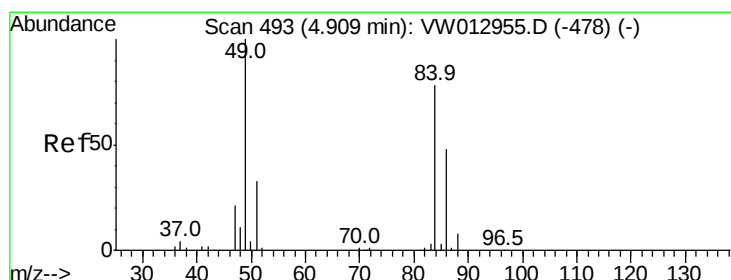
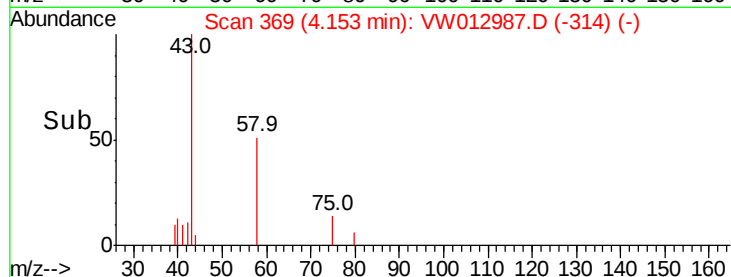
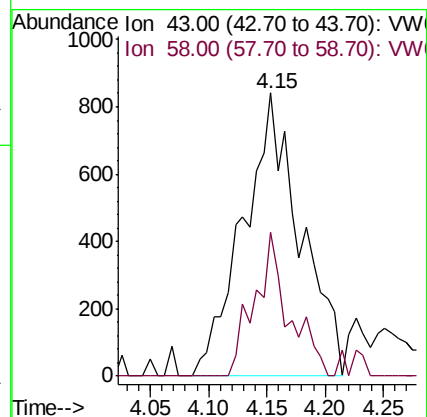
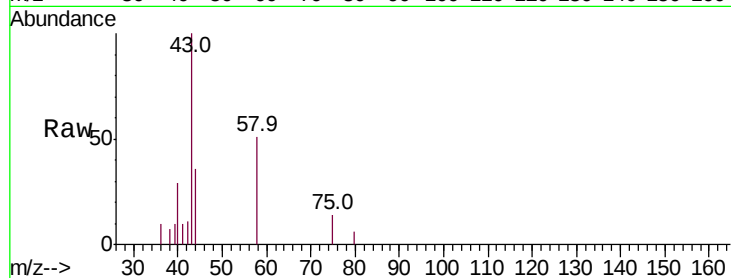
ClientSampleId :

Tot Ion: 43 Resp: 2861

Ion Ratio Lower Upper

43 100

58 50.7 22.3 33.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012987.D

Acq: 14 Sep 2019 12:29

Tgt Ion: 84 Resp: 1691

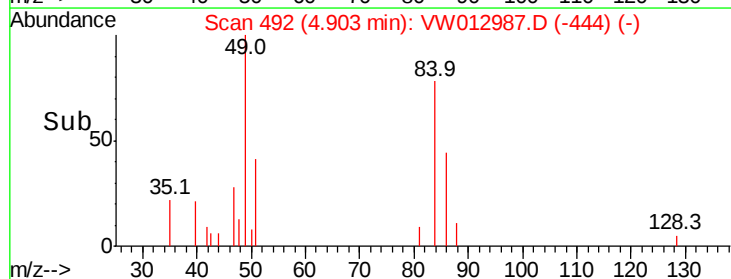
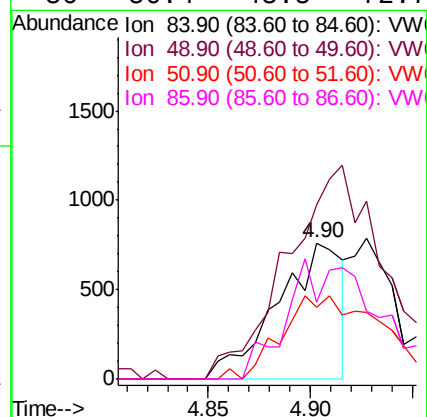
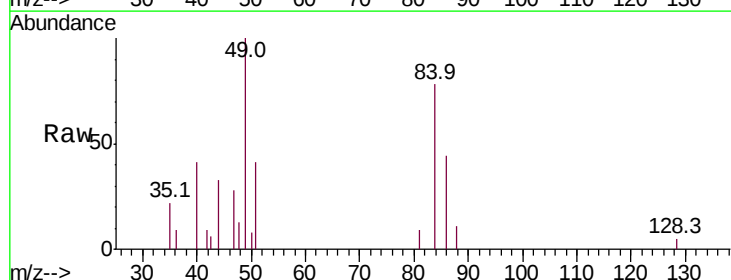
Ion Ratio Lower Upper

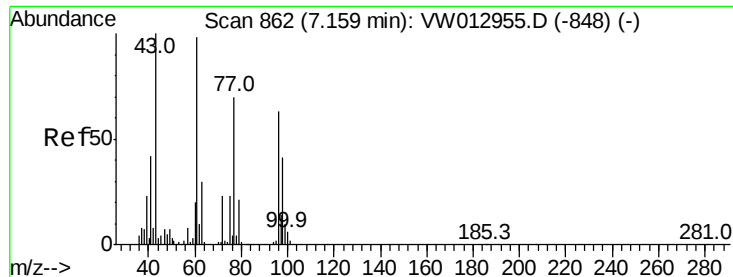
84 100

49 128.3 102.0 153.0

51 52.8 34.0 51.0#

86 56.4 48.5 72.7





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW012987.D

Acq: 14 Sep 2019 12:29

Instrument :

MSVOA_W

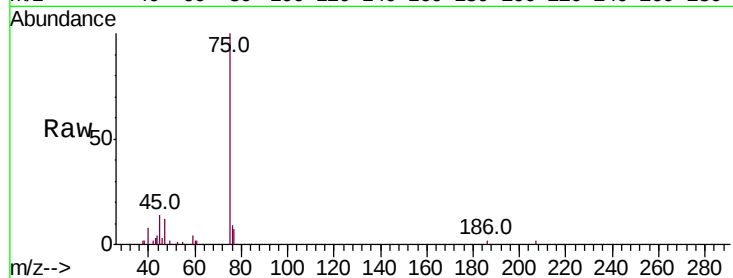
ClientSampleId :

Tot Ion: 77 Resp: 444

Ion Ratio Lower Upper

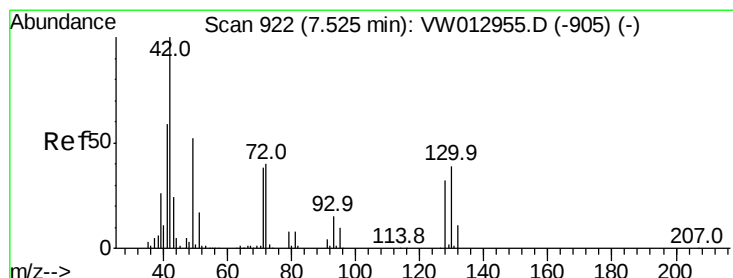
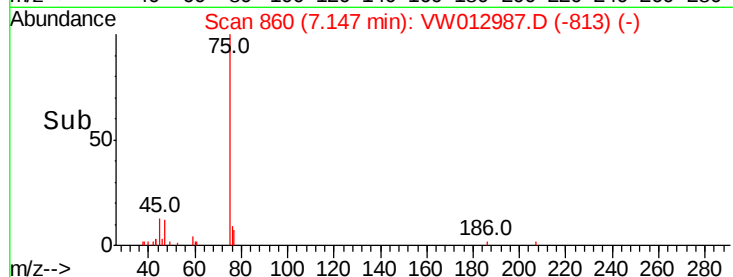
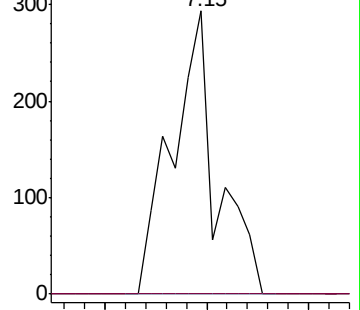
77 100

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



#29

Tetrahydrofuran

Concen: 2.844 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW012987.D

Acq: 14 Sep 2019 12:29

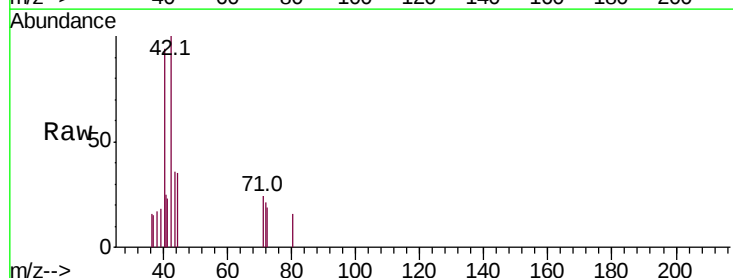
Tgt Ion: 42 Resp: 1158

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

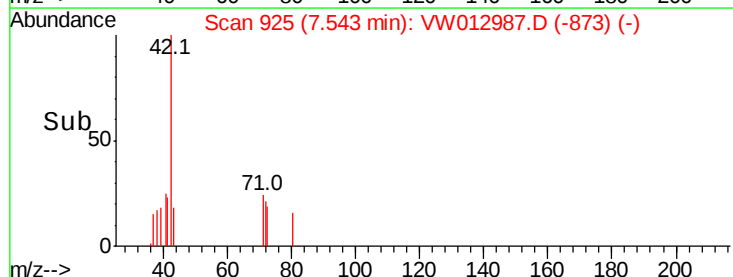
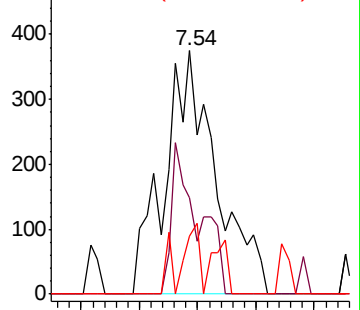
71 7.9 29.8 44.8#

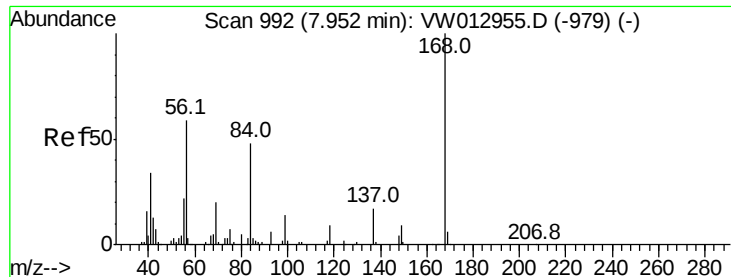


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

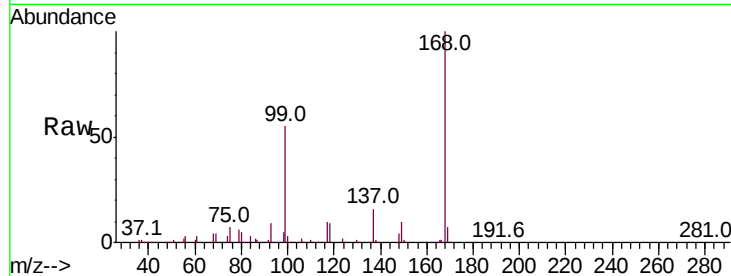




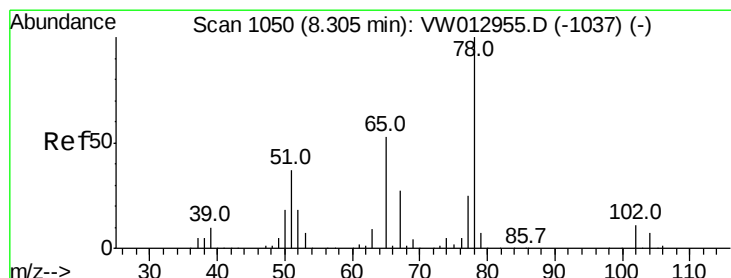
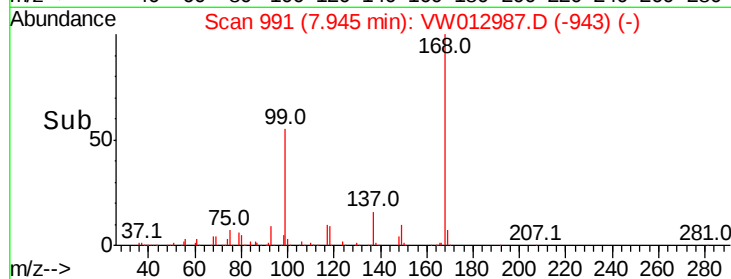
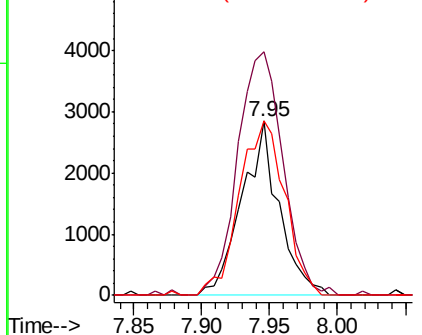
#31
Cyclohexane
Concen: Below Cal
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012987.D
Acq: 14 Sep 2019 12:29

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5437
Ion Ratio Lower Upper
56 100
69 140.0 27.0 40.6#
84 100.6 66.2 99.2#

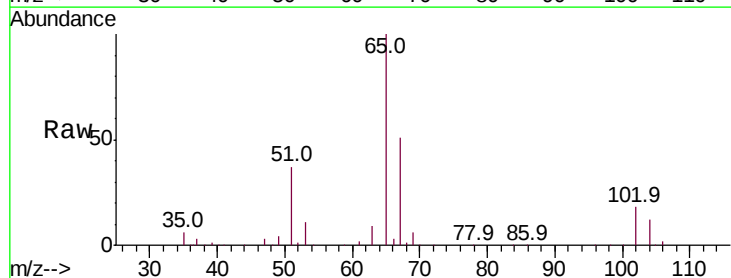


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

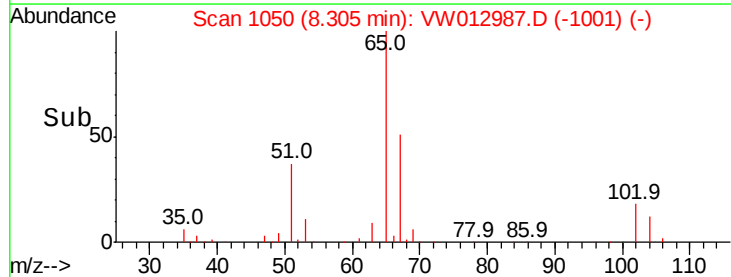
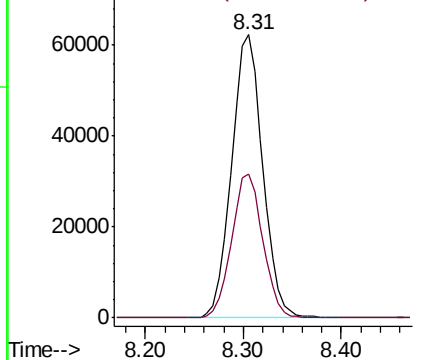


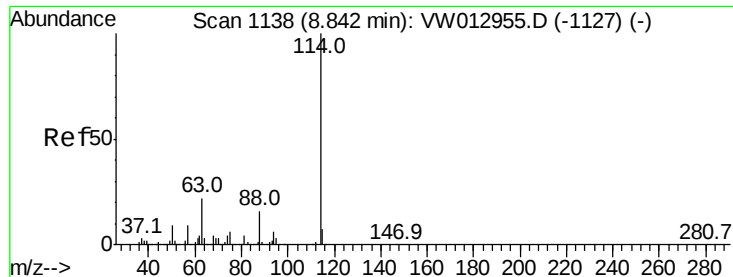
#33
1,2-Dichloroethane-d4
Concen: 60.997 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012987.D
Acq: 14 Sep 2019 12:29

Tgt Ion: 65 Resp: 137095
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

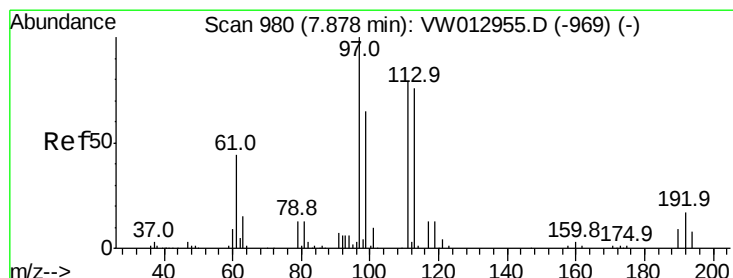
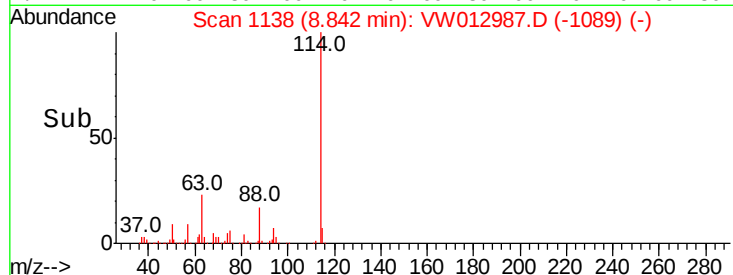
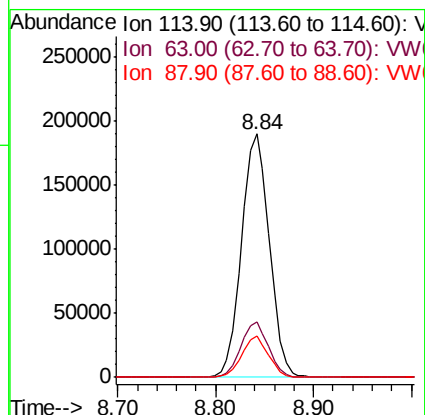
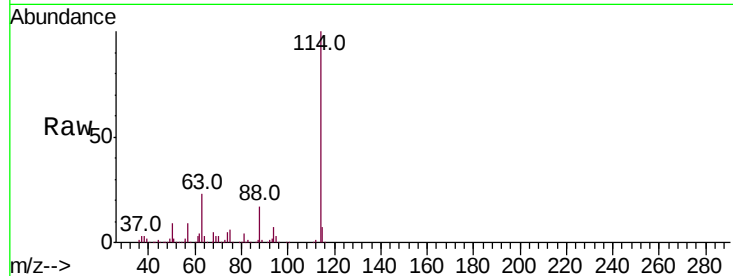




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW012987.D
Acq: 14 Sep 2019 12:29

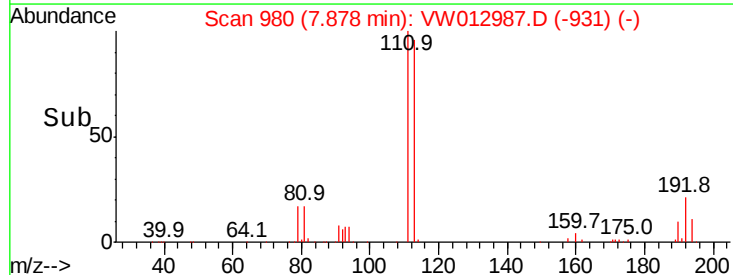
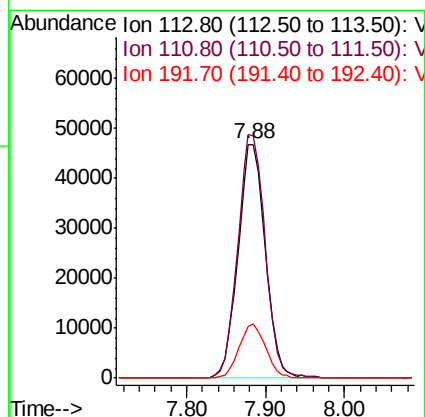
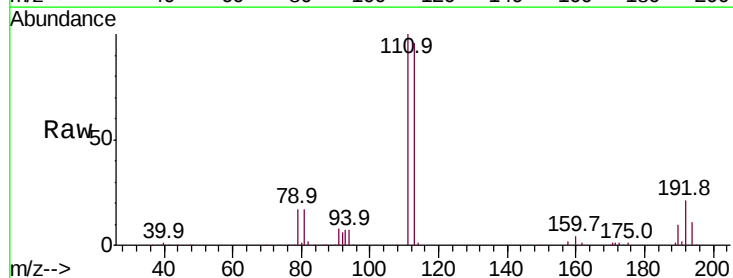
Instrument :
MSVOA_W
ClientSampleId :

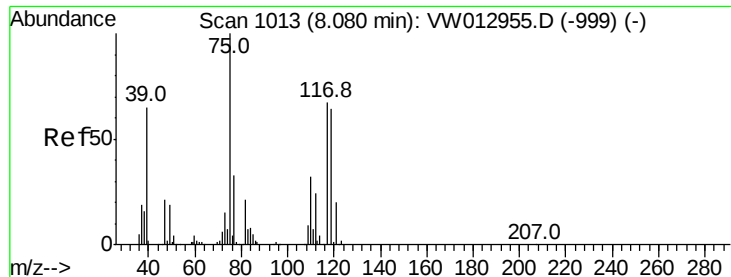
Tot Ion:114 Resp: 374884
Ion Ratio Lower Upper
114 100
63 22.9 0.0 43.4
88 17.3 0.0 31.6



#35
Dibromofluoromethane
Concen: 55.647 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW012987.D
Acq: 14 Sep 2019 12:29

Tgt Ion:113 Resp: 113196
Ion Ratio Lower Upper
113 100
111 103.9 82.8 124.2
192 22.5 17.8 26.8

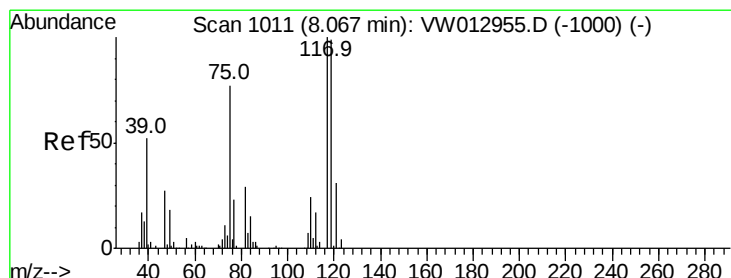
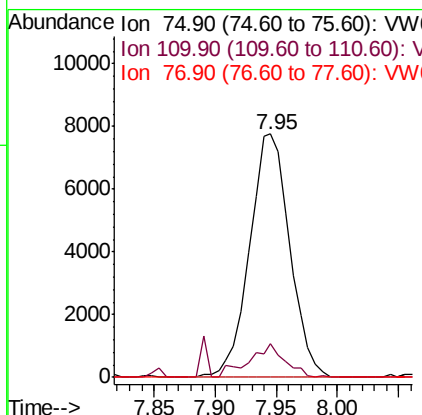
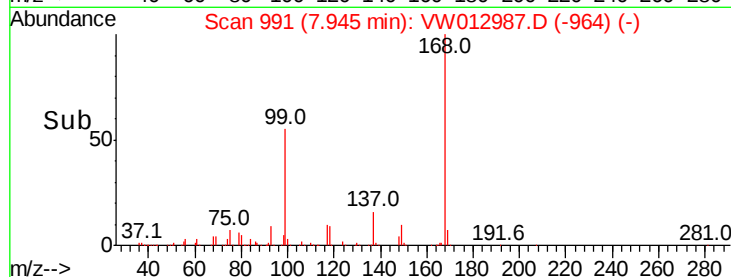
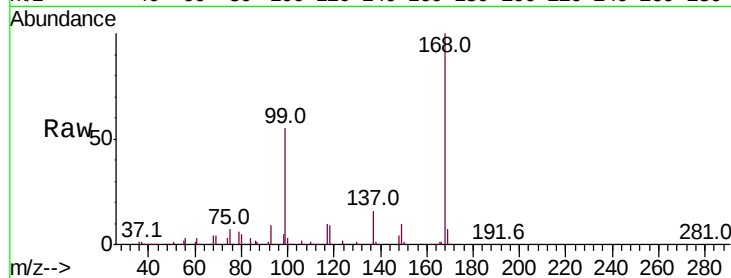




#36
 1,1-Dichloropropene
 Concen: 5.920 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012987.D
 Acq: 14 Sep 2019 12:29

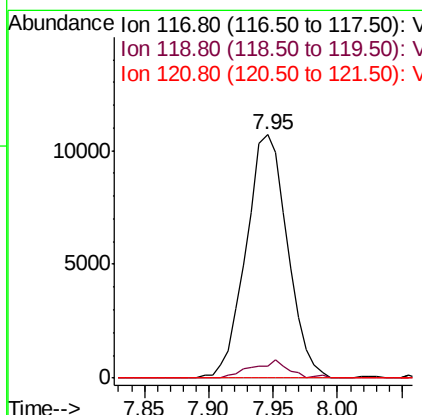
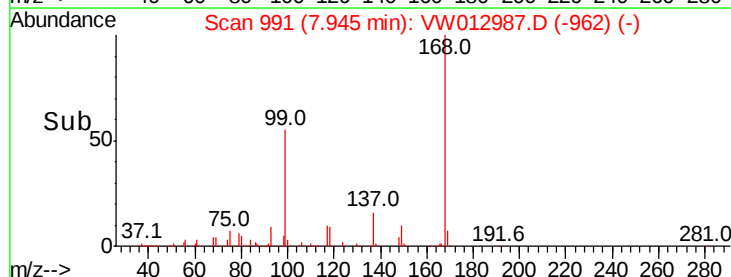
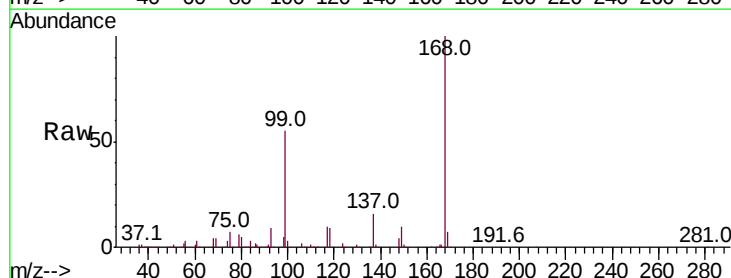
Instrument :
 MSVOA_W
 ClientSampled :

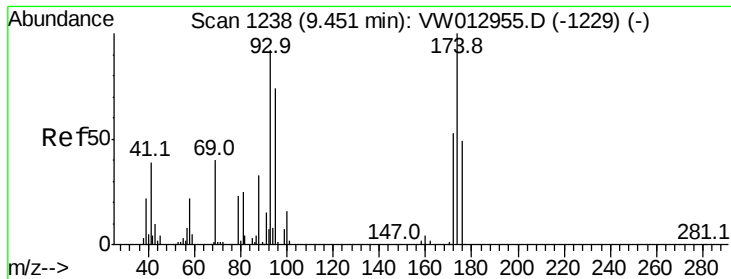
Tot Ion: 75 Resp: 17734
 Ion Ratio Lower Upper
 75 100
 110 12.4 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.765 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012987.D
 Acq: 14 Sep 2019 12:29

Tgt Ion: 117 Resp: 23838
 Ion Ratio Lower Upper
 117 100
 119 5.1 79.4 119.0#
 121 0.0 24.6 36.8#

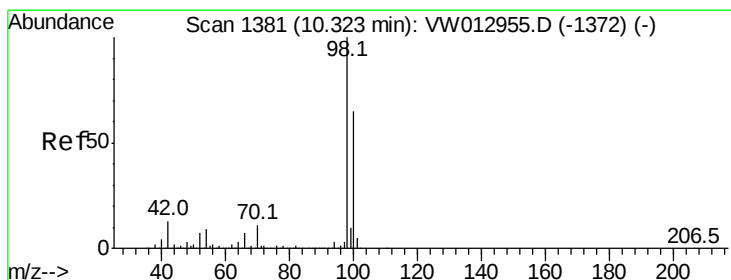
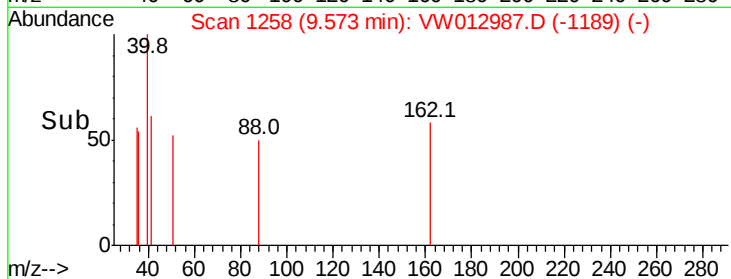
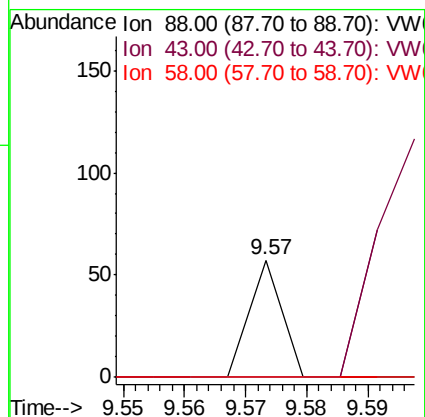
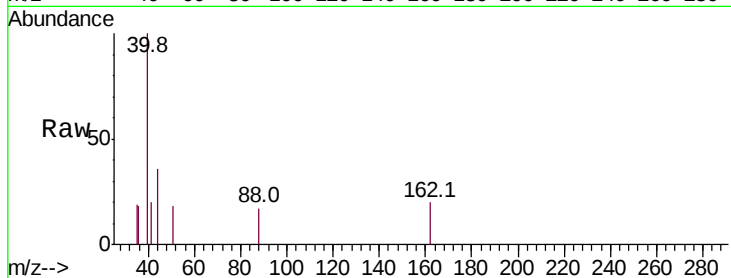




#49
 1,4-Dioxane
 Concen: 1.177 ug/l
 RT: 9.57 min Scan# 1258
 Delta R.T. 0.12 min
 Lab File: VW012987.D
 Acq: 14 Sep 2019 12:29

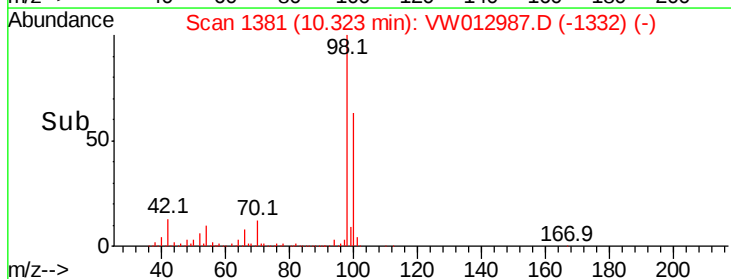
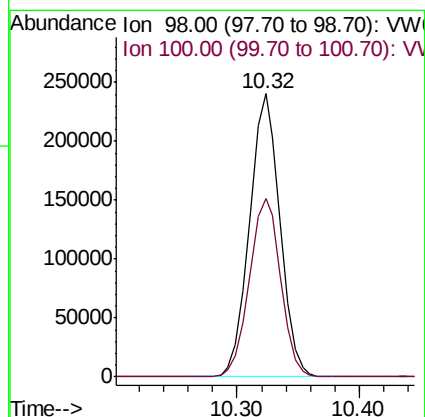
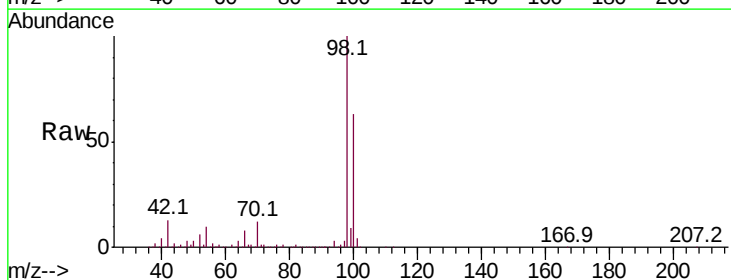
Instrument :
 MSVOA_W
 ClientSampleId :

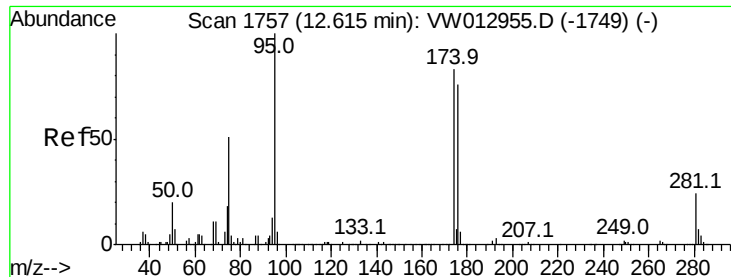
Tot Ion: 88 Resp: 21
 Ion Ratio Lower Upper
 88 100
 43 0.0 31.3 46.9#
 58 0.0 60.2 90.2#



#50
 Toluene-d8
 Concen: 52.340 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012987.D
 Acq: 14 Sep 2019 12:29

Tgt Ion: 98 Resp: 416623
 Ion Ratio Lower Upper
 98 100
 100 64.8 52.1 78.1

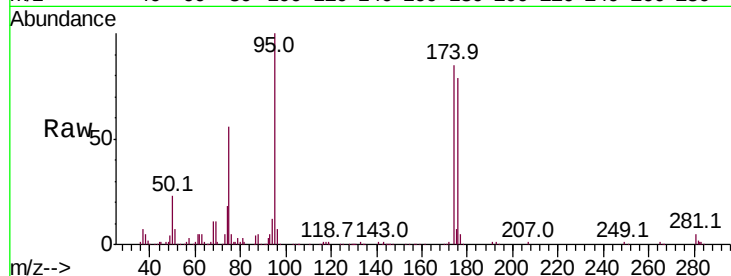




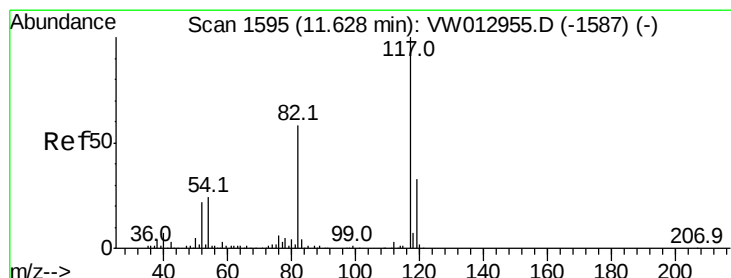
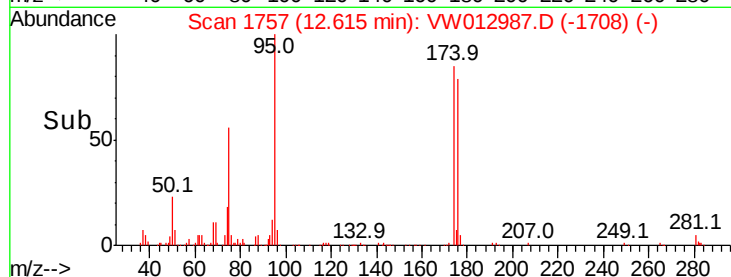
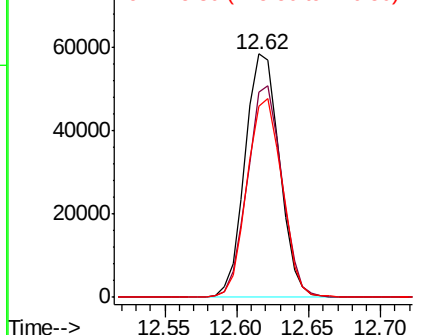
#62
4-Bromofluorobenzene
Concen: 33.852 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012987.D
Acq: 14 Sep 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 95 Resp: 96892
Ion Ratio Lower Upper
95 100
174 86.9 0.0 170.4
176 82.9 0.0 164.6

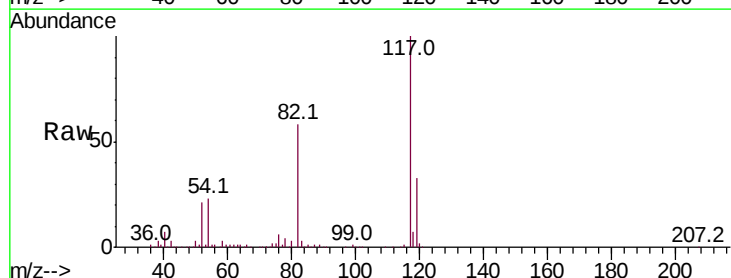


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

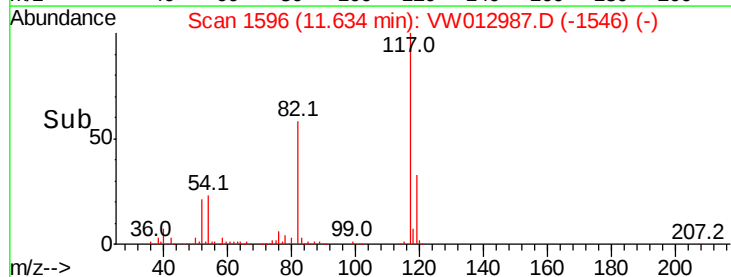
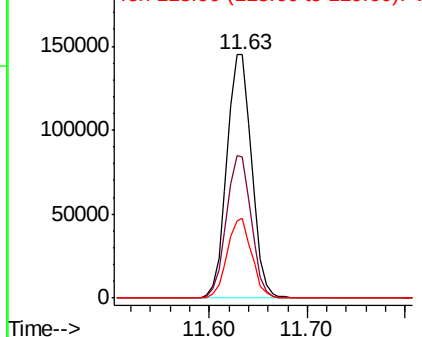


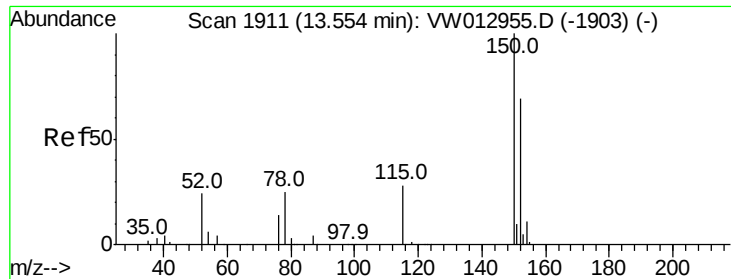
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW012987.D
Acq: 14 Sep 2019 12:29

Tgt Ion: 117 Resp: 255864
Ion Ratio Lower Upper
117 100
82 57.8 46.3 69.5
119 32.6 26.2 39.4



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. 0.01 min

Lab File: VW012987.D

Acq: 14 Sep 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

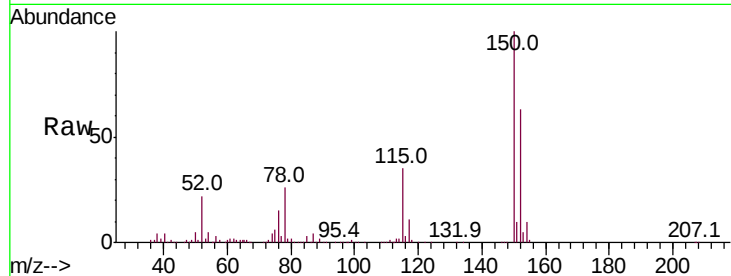
Tot Ion:152 Resp: 69903

Ion Ratio Lower Upper

152 100

115 58.1 28.8 86.4

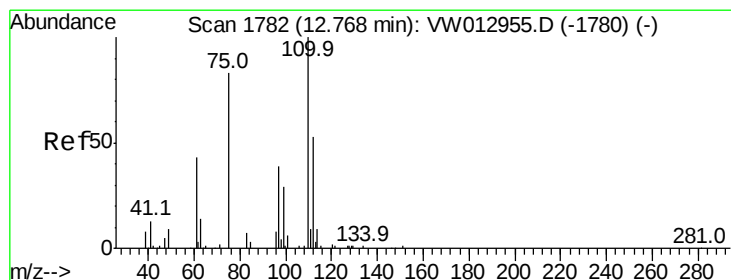
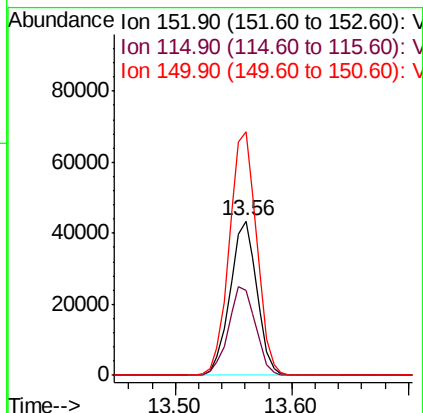
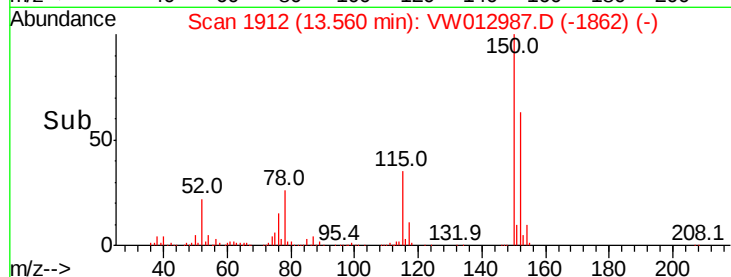
150 159.9 0.0 340.2



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: 84.304 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012987.D

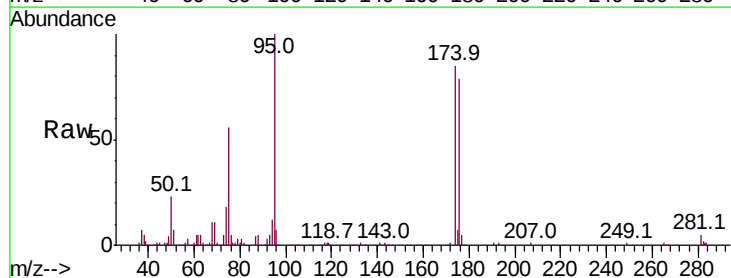
Acq: 14 Sep 2019 12:29

Tgt Ion: 75 Resp: 51619

Ion Ratio Lower Upper

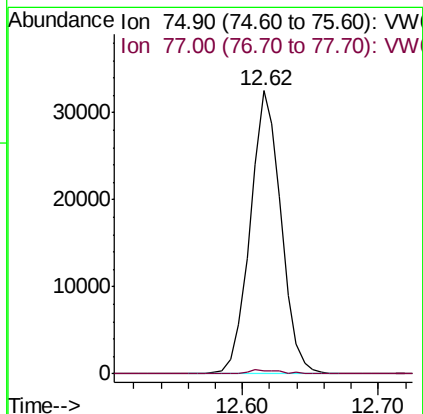
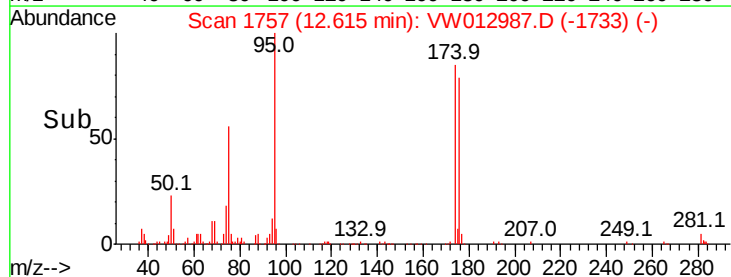
75 100

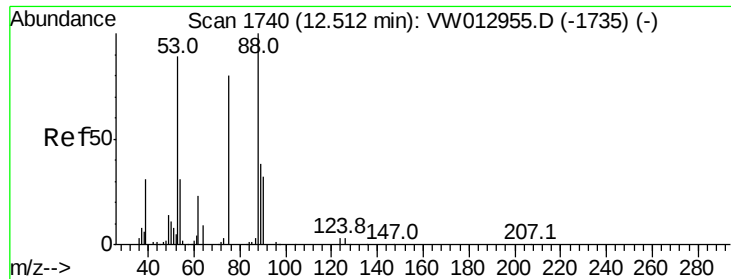
77 1.3 0.0 0.0#



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: 191.242 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012987.D

Acq: 14 Sep 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 51619

Ion Ratio Lower Upper

75 100

53 0.2 85.6 128.4#

89 0.2 37.2 55.8#

