

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW012984.D
 Acq On : 14 Sep 2019 11:01
 Operator : SY/VA
 Sample : VW0915SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:50:50 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	286950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	430776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	355250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157005	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	146396	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
35) Dibromofluoromethane	7.88	113	127715	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	
50) Toluene-d8	10.32	98	511721	55.95	ug/l	0.00
Spiked Amount			Recovery	=	111.90%	
62) 4-Bromofluorobenzene	12.62	95	162945	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	

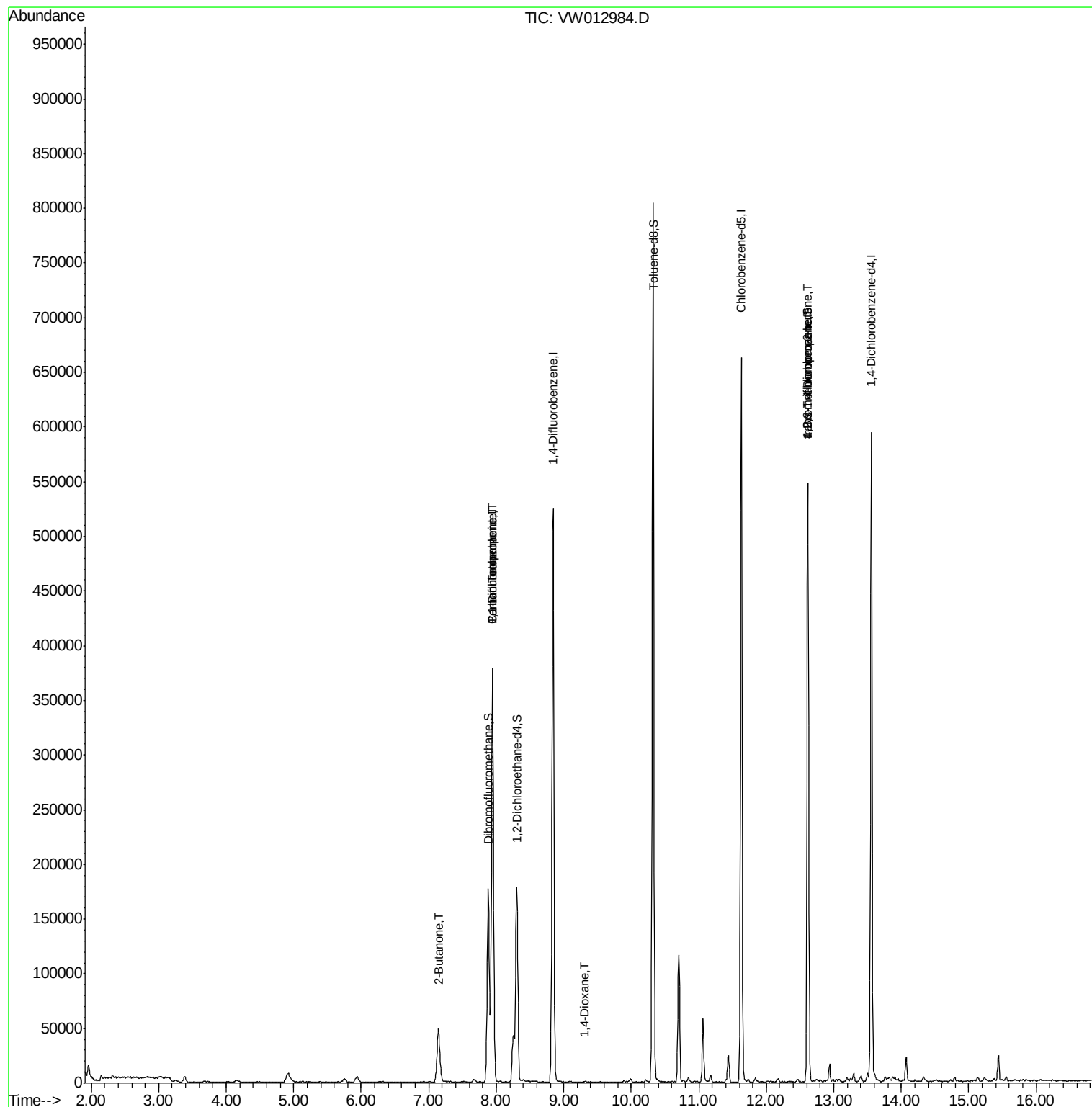
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	798	Below Cal		93
3) Chloromethane	2.21	50	343	Below Cal	#	87
11) Tert butyl alcohol	5.16	59	229	Below Cal		95
13) Acrolein	3.93	56	57	Below Cal	#	15
16) Acetone	4.15	43	4009	Below Cal		97
20) Methylene Chloride	4.92	84	5653	Below Cal	#	75
25) 2-Butanone	7.14	43	3241	3.846	ug/l #	72
26) 2,2-Dichloropropane	7.15	77	3789	Below Cal	#	55
31) Cyclohexane	7.93	56	6309	Below Cal	#	23
36) 1,1-Dichloropropene	7.94	75	21586	6.271	ug/l #	52
38) Carbon Tetrachloride	7.95	117	27573	7.816	ug/l #	14
49) 1,4-Dioxane	9.31	88	45	2.196	ug/l #	5
76) 1,2,3-Trichloropropane	12.62	75	86654	63.010	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86654	142.937	ug/l #	7

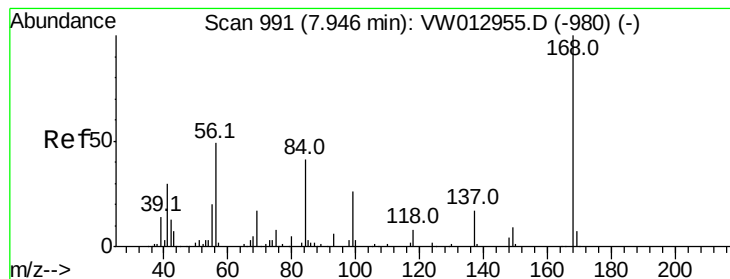
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VW012984.D

Acq: 14 Sep 2019 11:01

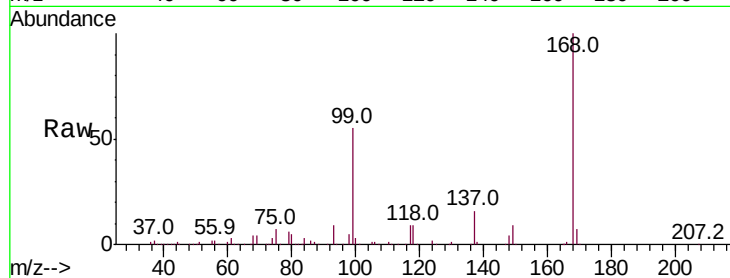
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 286950

Ion Ratio Lower Upper

168 100

99 55.4 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

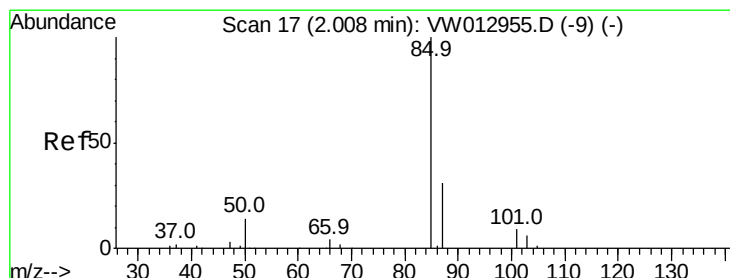
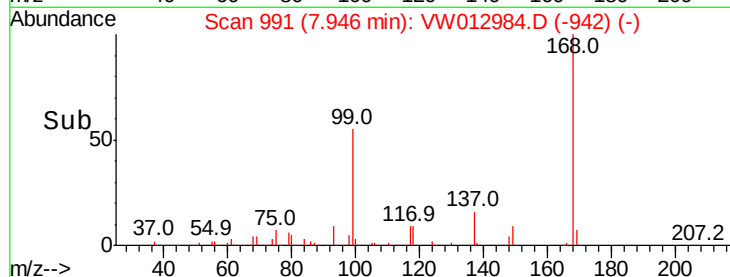
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012984.D

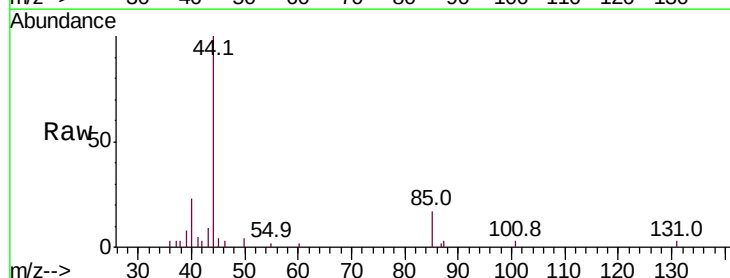
Acq: 14 Sep 2019 11:01

Tgt Ion: 85 Resp: 798

Ion Ratio Lower Upper

85 100

87 27.1 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

500

400

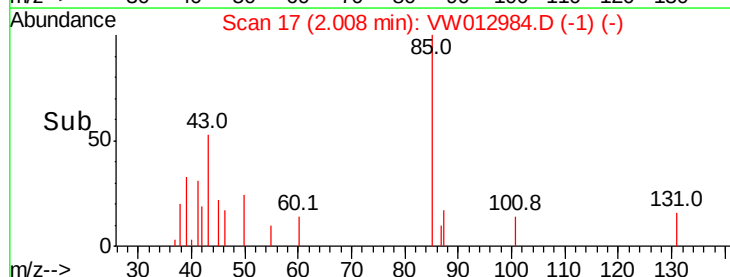
300

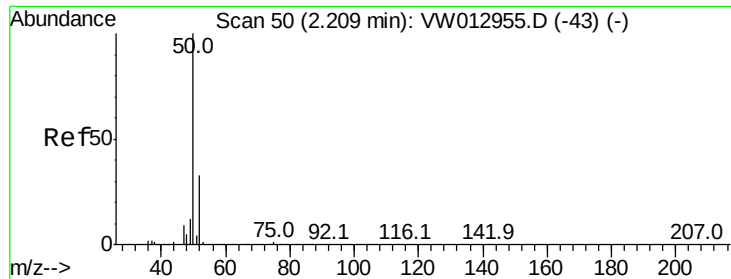
200

100

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012984.D

Acq: 14 Sep 2019 11:01

Instrument :

MSVOA_W

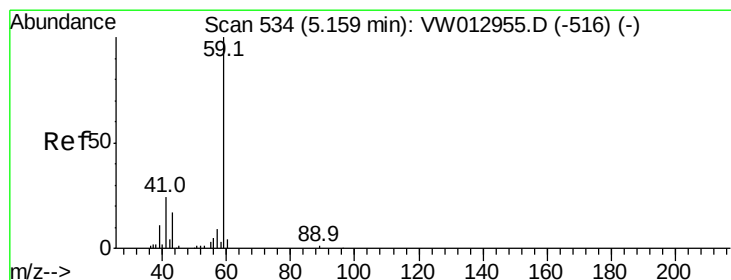
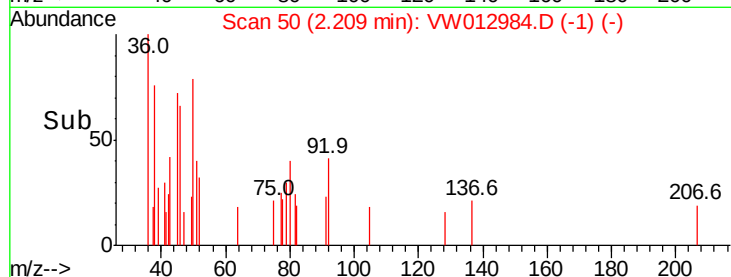
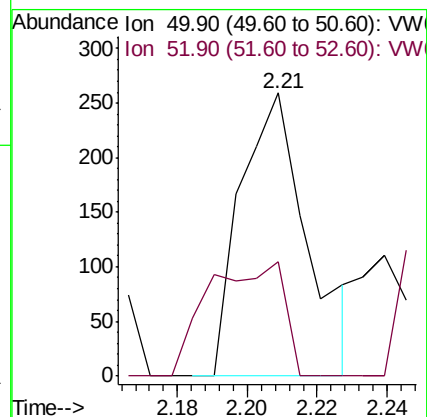
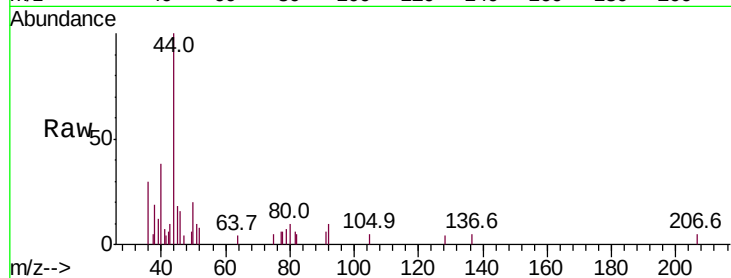
ClientSampled :

Tot Ion: 50 Resp: 343

Ion Ratio Lower Upper

50 100

52 40.5 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW012984.D

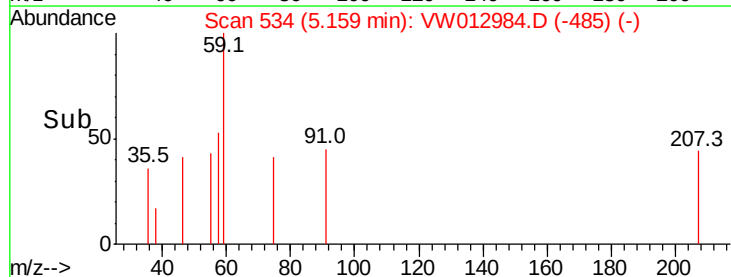
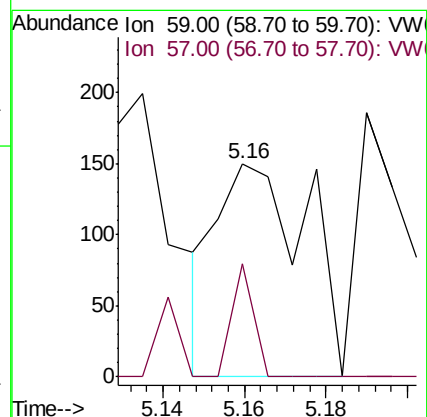
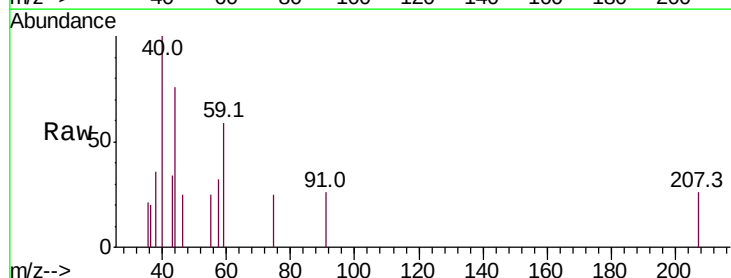
Acq: 14 Sep 2019 11:01

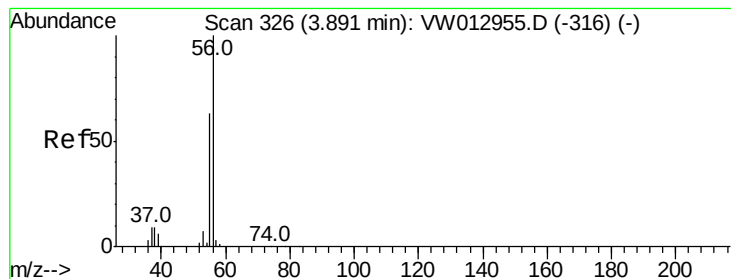
Tgt Ion: 59 Resp: 229

Ion Ratio Lower Upper

59 100

57 12.7 8.5 12.7





#13

Acrolein

Concen: Below Cal

RT: 3.93 min Scan# 332

Delta R.T. 0.04 min

Lab File: VW012984.D

Acq: 14 Sep 2019 11:01

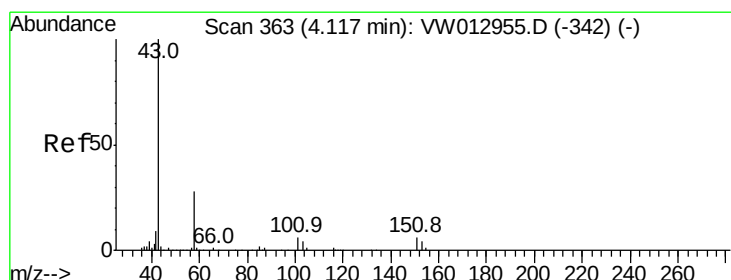
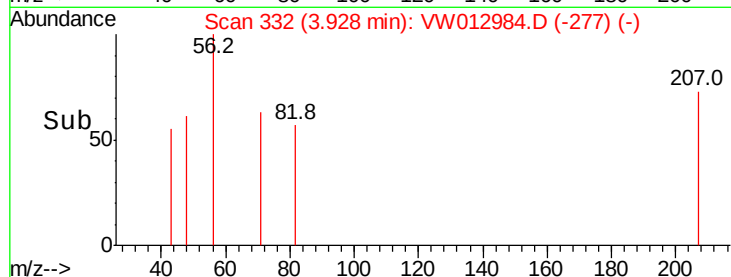
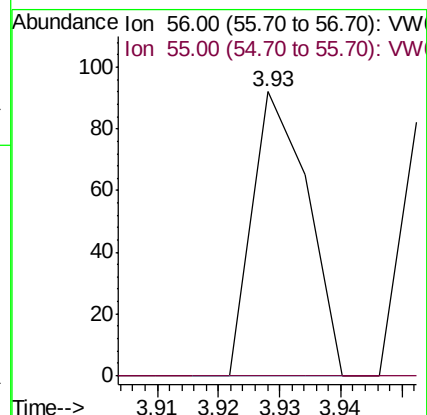
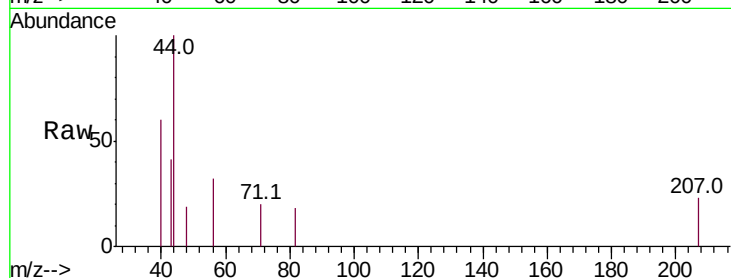
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 57

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW012984.D

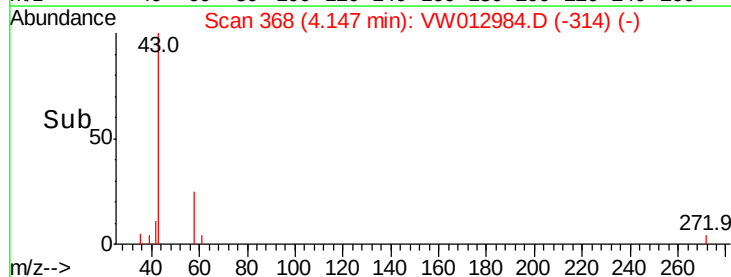
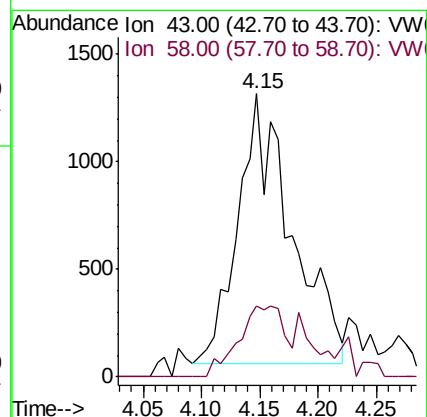
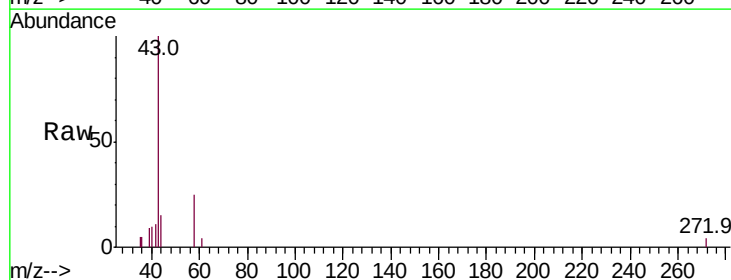
Acq: 14 Sep 2019 11:01

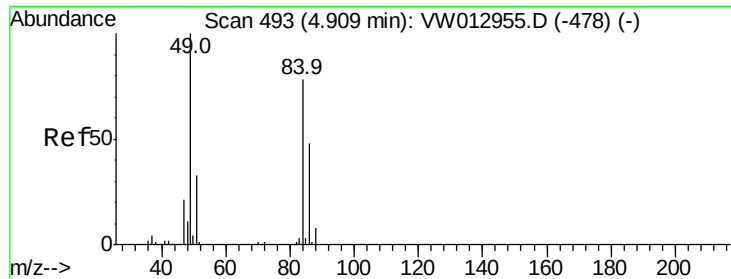
Tgt Ion: 43 Resp: 4009

Ion Ratio Lower Upper

43 100

58 26.4 22.3 33.5

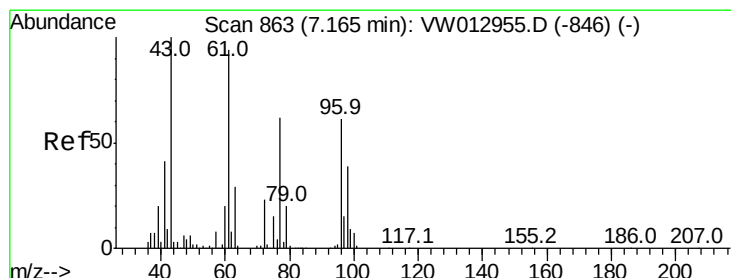
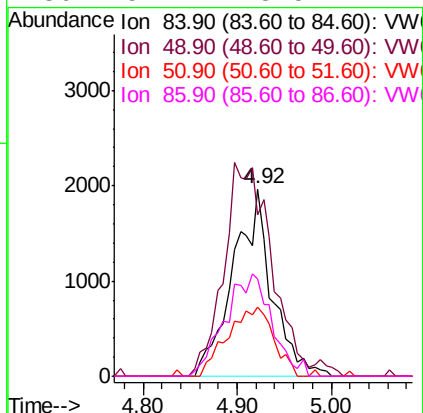
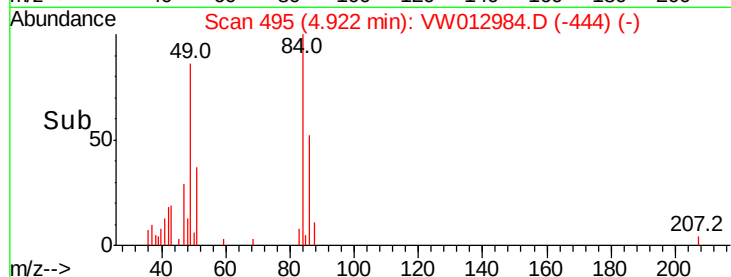
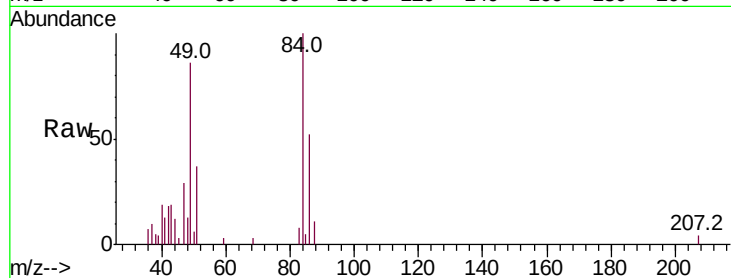




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW012984.D
Acq: 14 Sep 2019 11:01

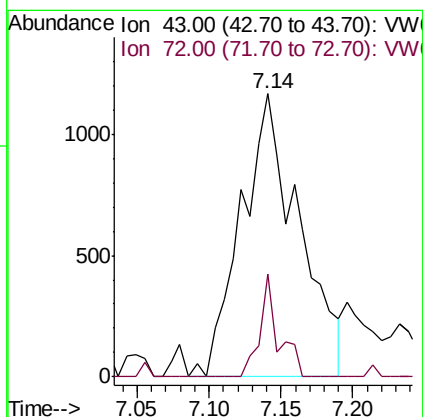
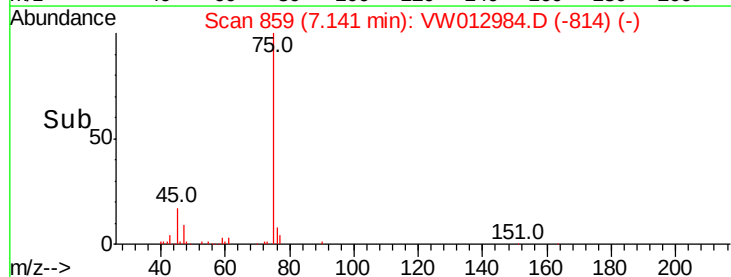
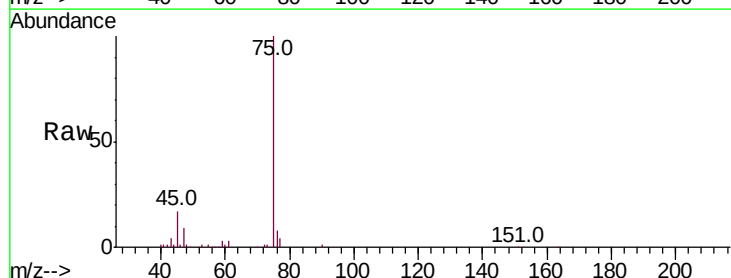
Instrument :
MSVOA_W
ClientSampleId :

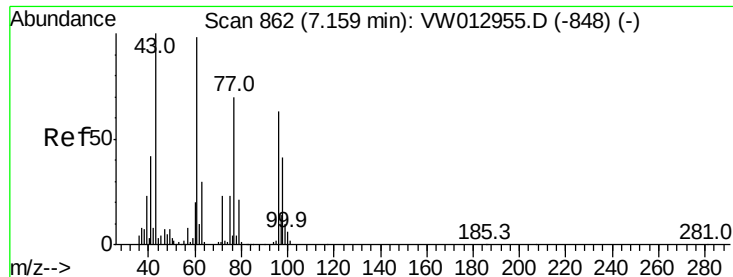
Tot Ion: 84 Resp: 5653
Ion Ratio Lower Upper
84 100
49 86.1 102.0 153.0#
51 37.0 34.0 51.0
86 51.7 48.5 72.7



#25
2-Butanone
Concen: 3.846 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW012984.D
Acq: 14 Sep 2019 11:01

Tgt Ion: 43 Resp: 3241
Ion Ratio Lower Upper
43 100
72 36.2 18.2 27.4#

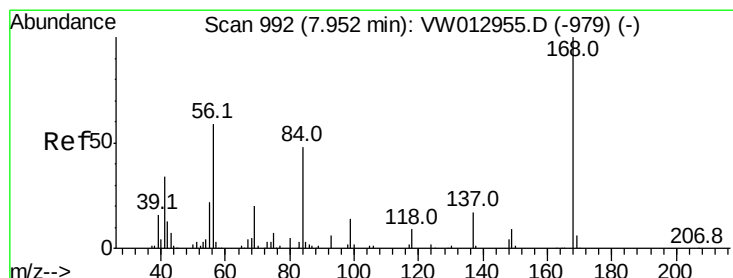
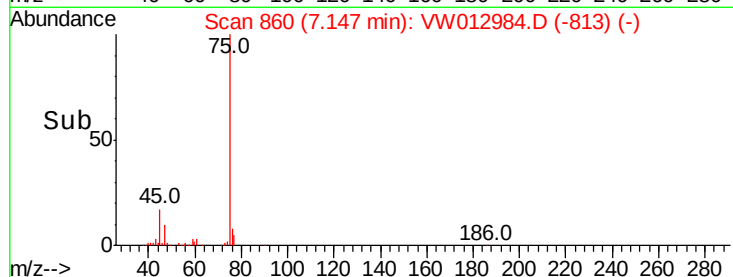
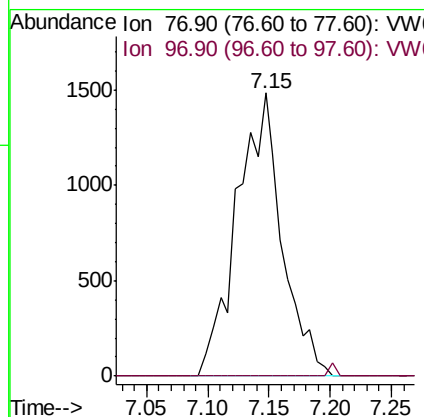
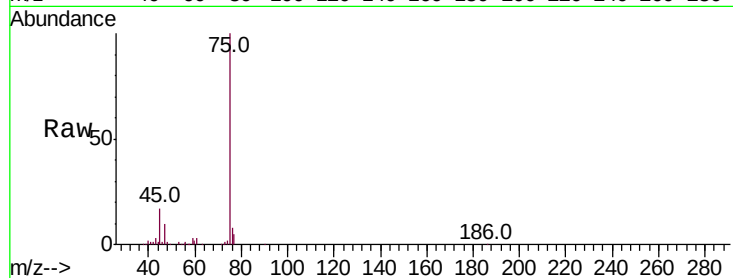




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: VW012984.D
Acq: 14 Sep 2019 11:01

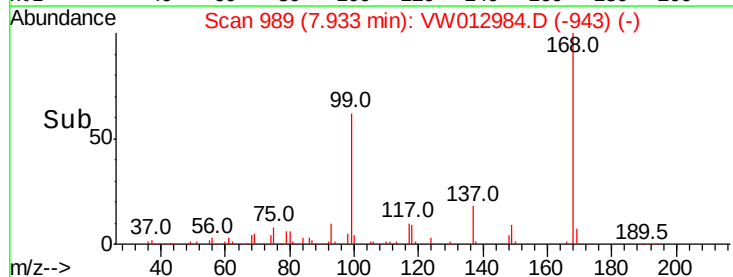
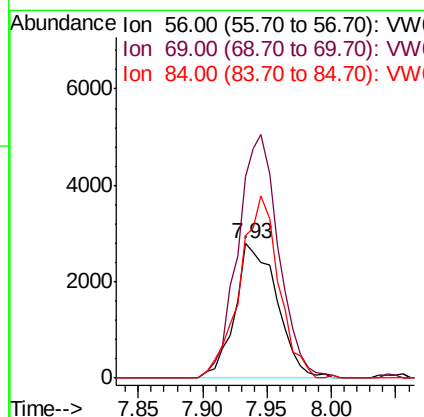
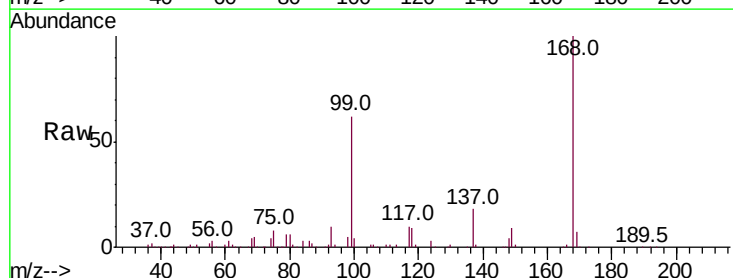
Instrument :
MSVOA_W
ClientSampleId :

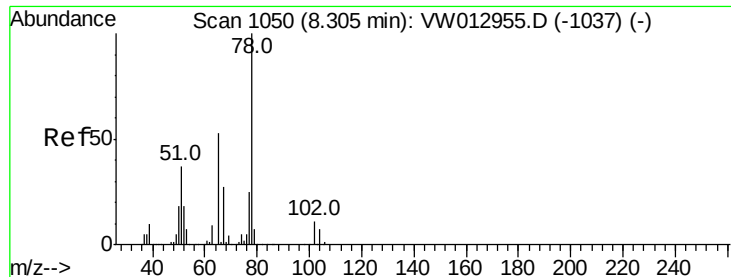
Tot Ion: 77 Resp: 3789
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#



#31
Cyclohexane
Concen: Below Cal
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW012984.D
Acq: 14 Sep 2019 11:01

Tgt Ion: 56 Resp: 6309
Ion Ratio Lower Upper
56 100
69 149.6 27.0 40.6#
84 106.0 66.2 99.2#

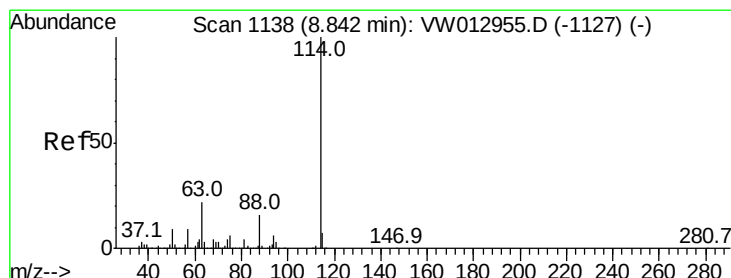
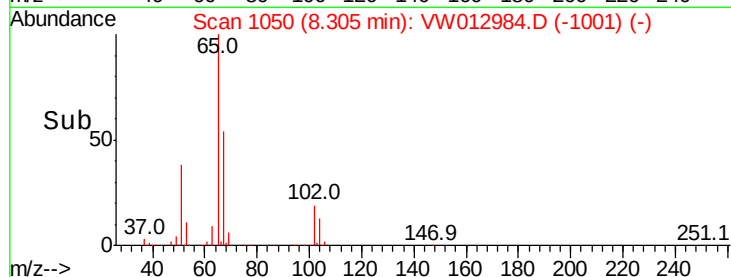
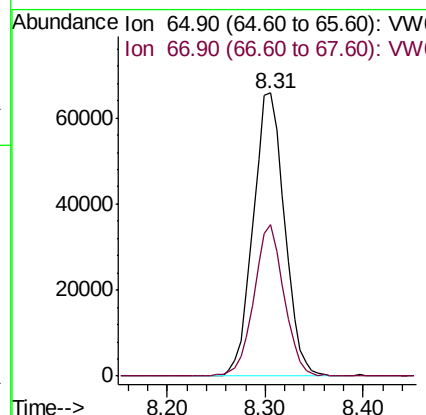
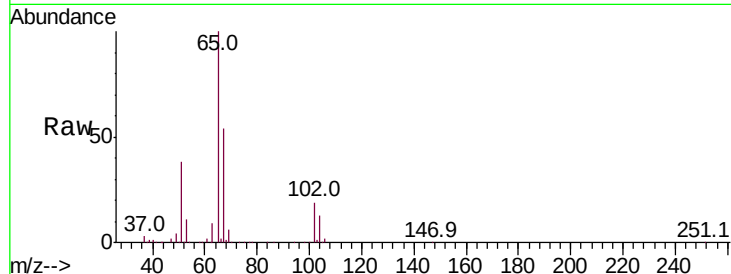




#33
 1,2-Dichloroethane-d4
 Concen: 55.240 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012984.D
 Acq: 14 Sep 2019 11:01

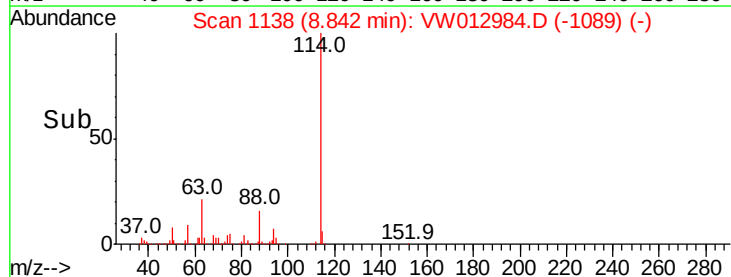
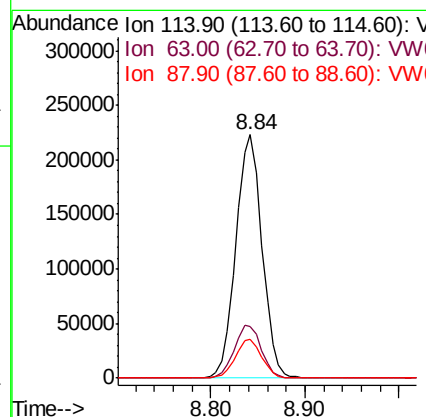
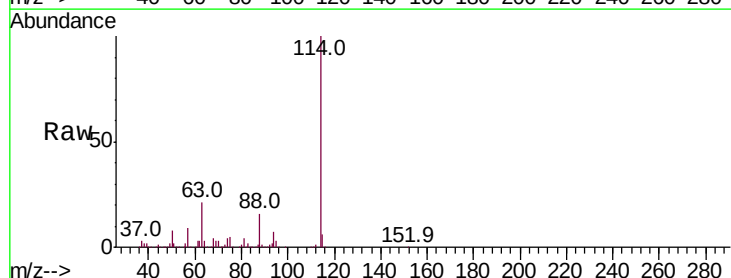
Instrument :
 MSVOA_W
 ClientSampleId :

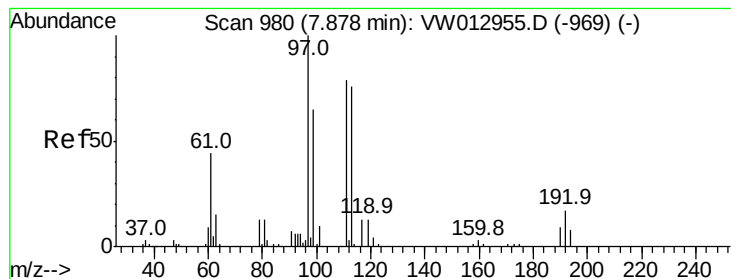
Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012984.D
 Acq: 14 Sep 2019 11:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.4
88	16.1	0.0	31.6





#35

Dibromofluoromethane

Concen: 54.639 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW012984.D

Acq: 14 Sep 2019 11:01

Instrument :

MSVOA_W

ClientSampleId :

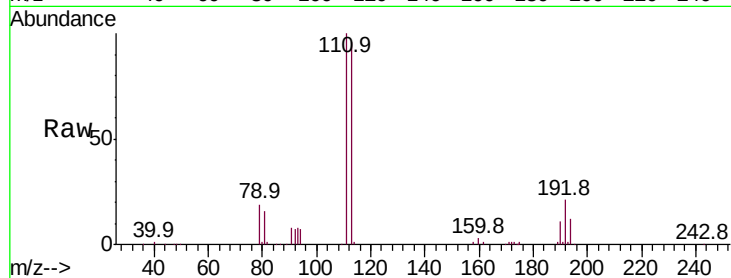
Tot Ion:113 Resp: 127715

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

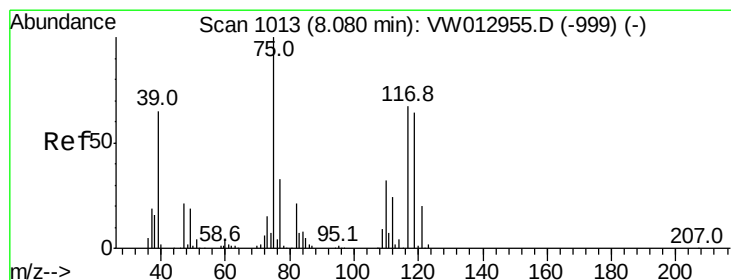
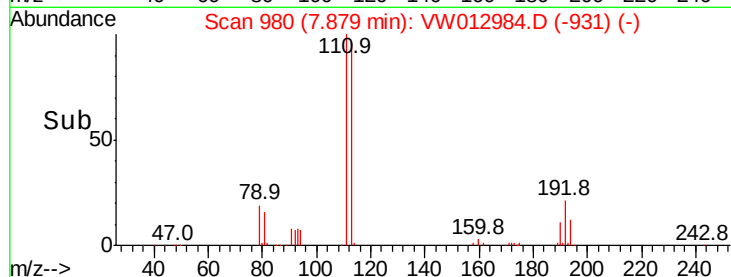
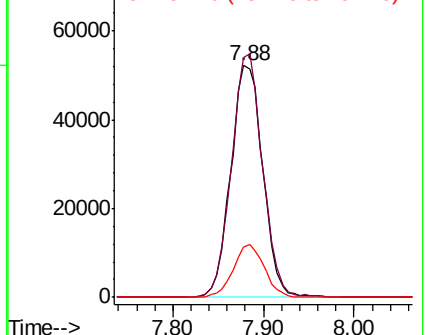
192 22.0 17.8 26.8



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: 6.271 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012984.D

Acq: 14 Sep 2019 11:01

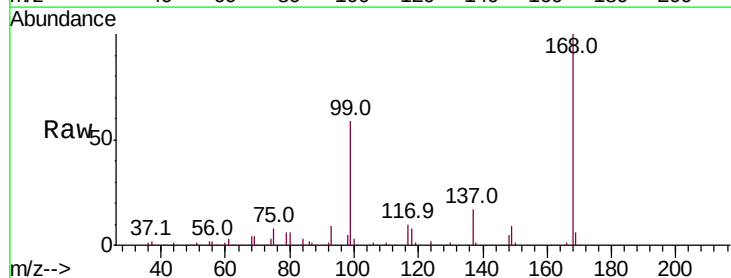
Tgt Ion: 75 Resp: 21586

Ion Ratio Lower Upper

75 100

110 10.2 16.4 49.1#

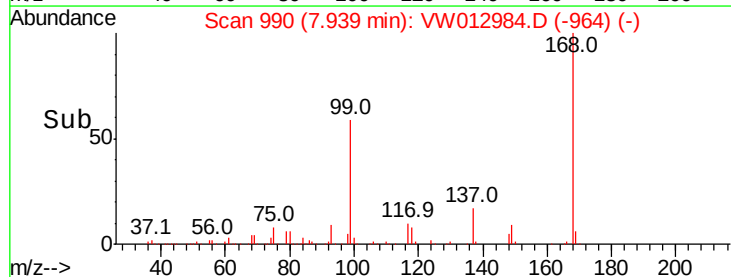
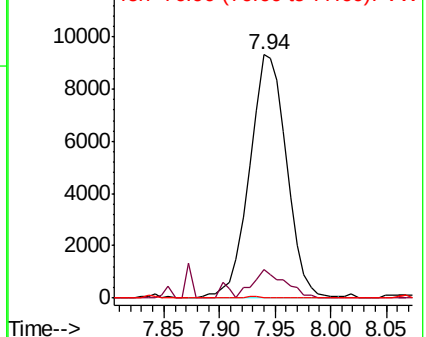
77 0.2 25.1 37.7#

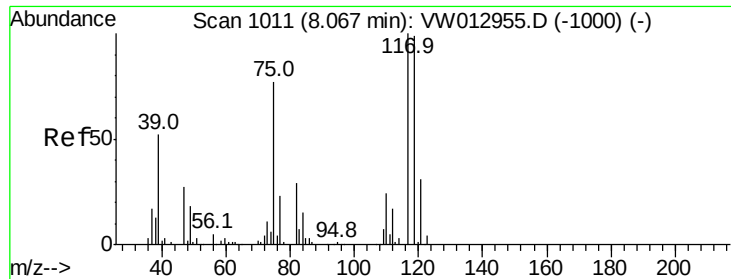


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

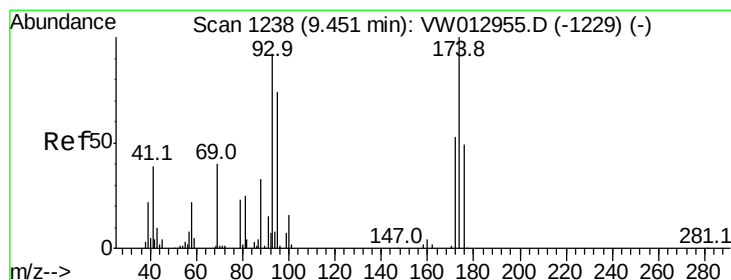
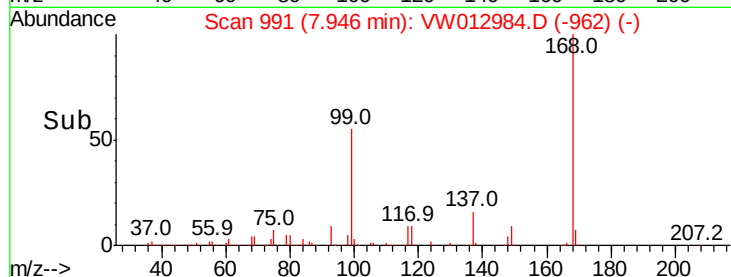
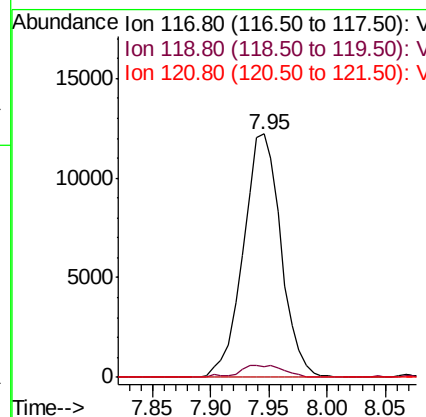
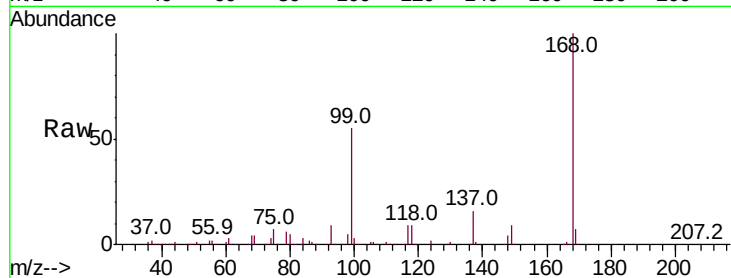




#38
Carbon Tetrachloride
Concen: 7.816 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012984.D
Acq: 14 Sep 2019 11:01

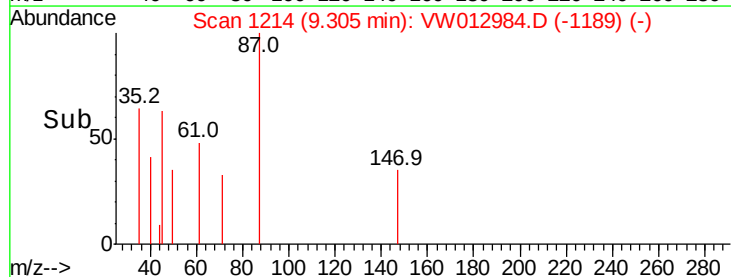
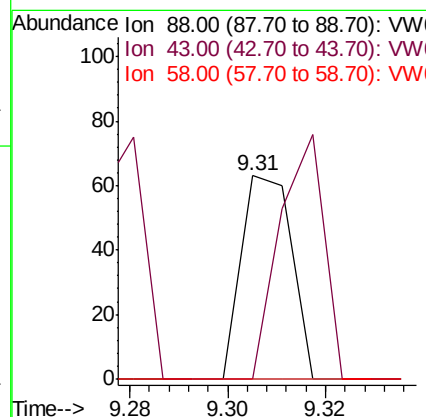
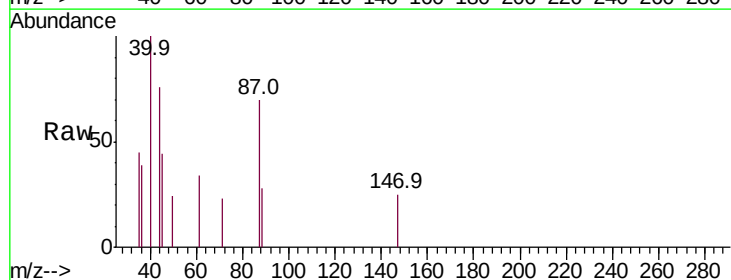
Instrument :
MSVOA_W
ClientSampleId :

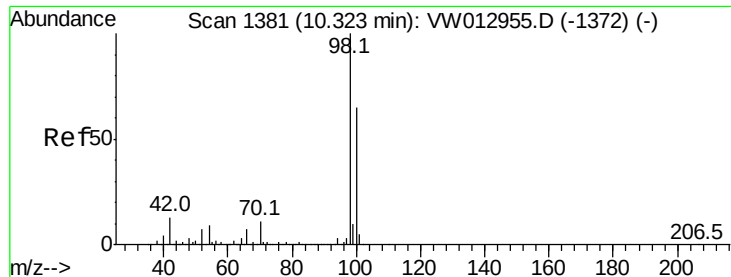
Tot Ion:117 Resp: 27573
Ion Ratio Lower Upper
117 100
119 4.6 79.4 119.0#
121 0.0 24.6 36.8#



#49
1,4-Dioxane
Concen: 2.196 ug/l
RT: 9.31 min Scan# 1214
Delta R.T. -0.15 min
Lab File: VW012984.D
Acq: 14 Sep 2019 11:01

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 104.4 31.3 46.9#
58 0.0 60.2 90.2#

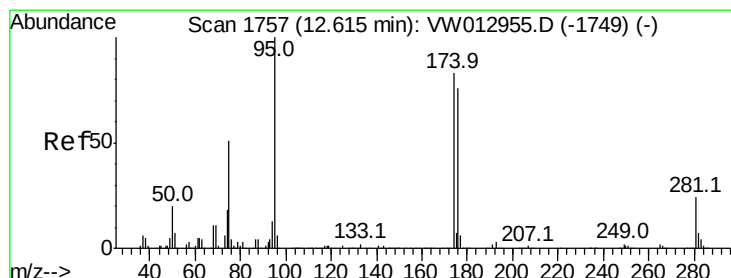
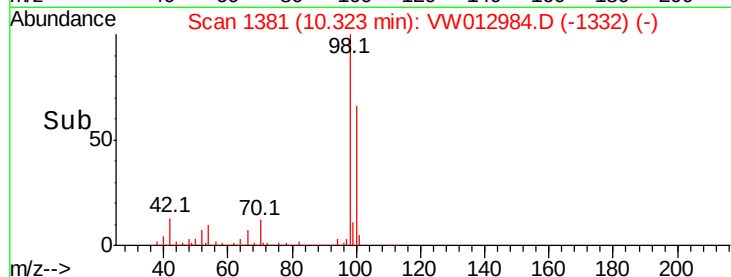
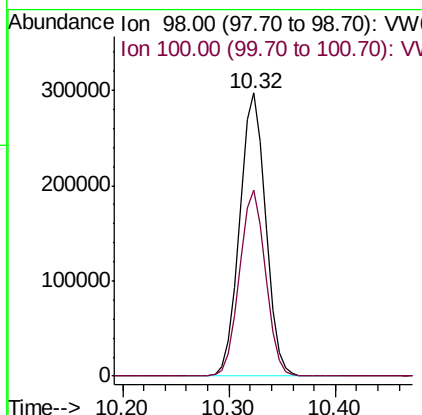
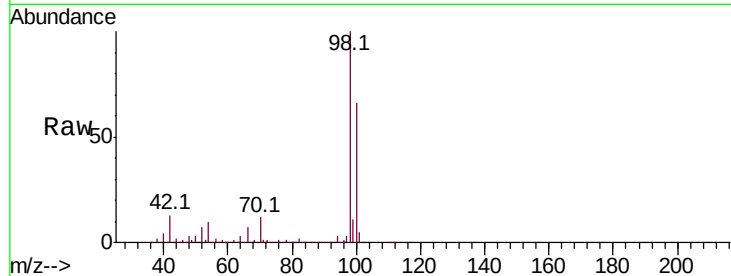




#50
Toluene-d8
Concen: 55.946 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012984.D
Acq: 14 Sep 2019 11:01

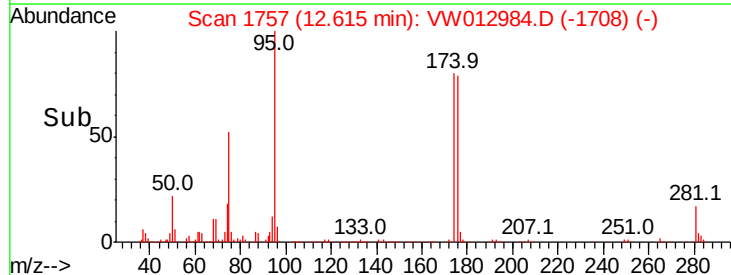
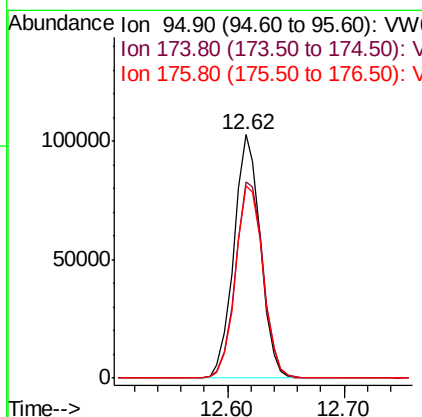
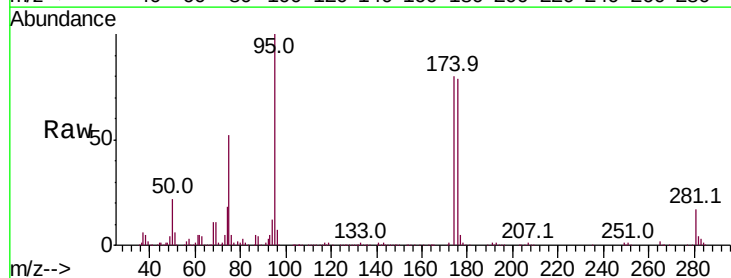
Instrument :
MSVOA_W
ClientSampleId :

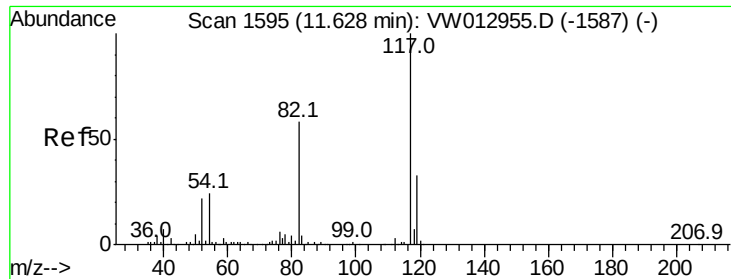
Tot Ion: 98 Resp: 511721
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 49.543 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012984.D
Acq: 14 Sep 2019 11:01

Tgt Ion: 95 Resp: 162945
Ion Ratio Lower Upper
95 100
174 84.4 0.0 170.4
176 82.1 0.0 164.6

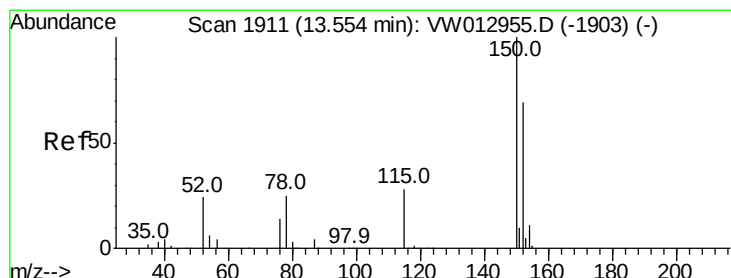
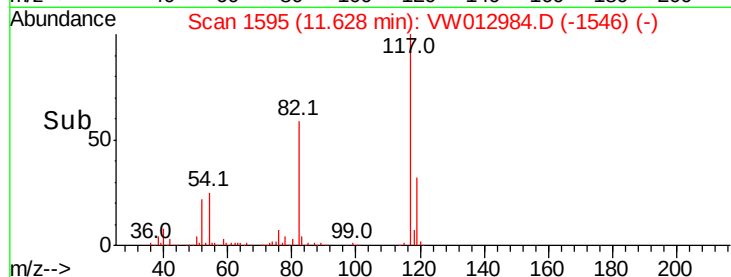
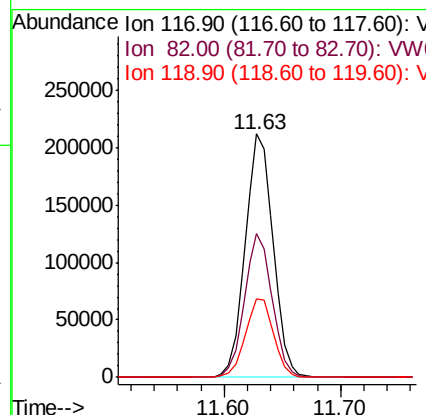
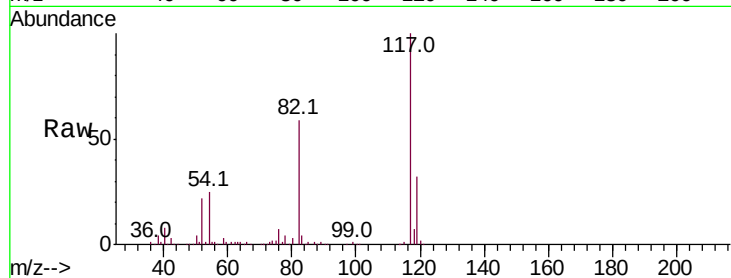




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW012984.D
Acq: 14 Sep 2019 11:01

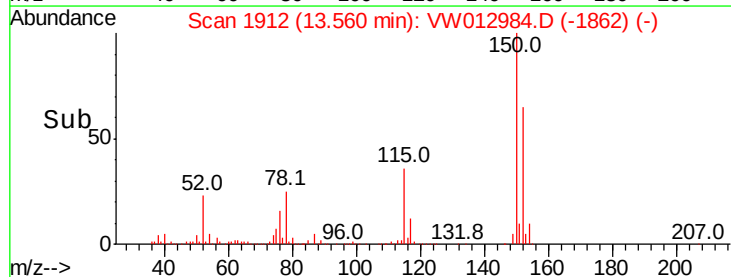
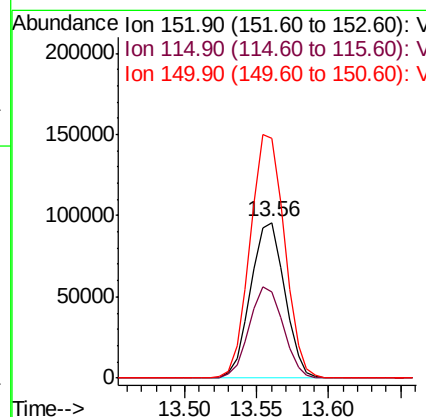
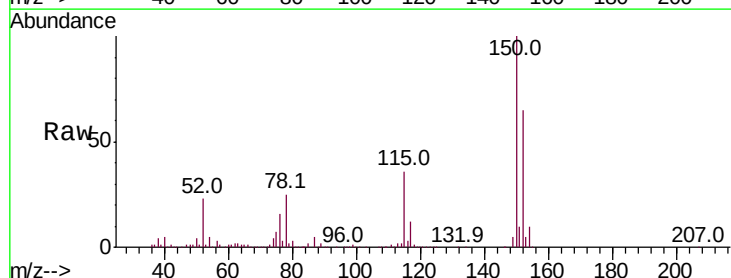
Instrument :
MSVOA_W
ClientSampleId :

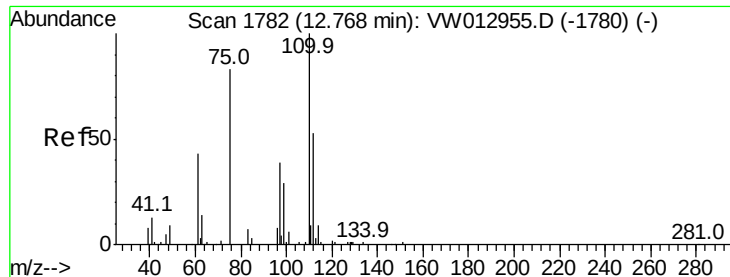
Tot Ion:117 Resp: 355250
Ion Ratio Lower Upper
117 100
82 59.1 46.3 69.5
119 32.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW012984.D
Acq: 14 Sep 2019 11:01

Tgt Ion:152 Resp: 157005
Ion Ratio Lower Upper
152 100
115 58.3 28.8 86.4
150 157.5 0.0 340.2





#76

1,2,3-Trichloropropane

Concen: 63.010 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012984.D

Acq: 14 Sep 2019 11:01

Instrument :

MSVOA_W

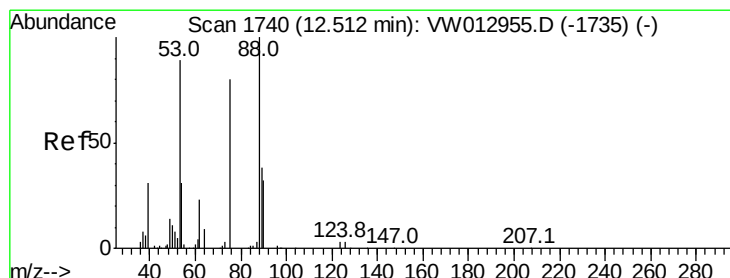
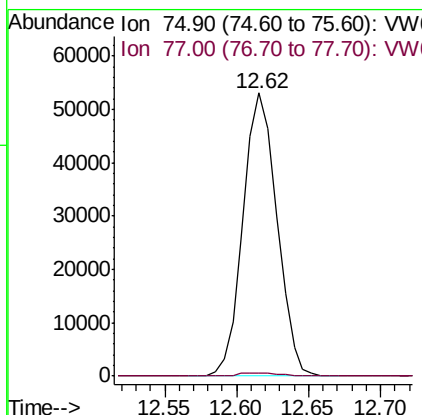
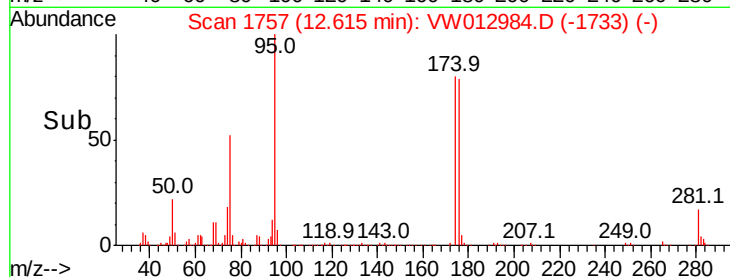
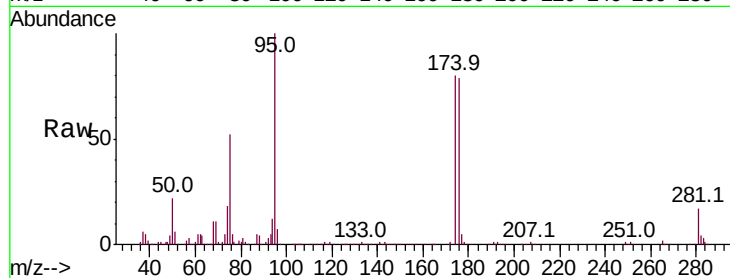
ClientSampleId :

Tot Ion: 75 Resp: 86654

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.937 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012984.D

Acq: 14 Sep 2019 11:01

Tgt Ion: 75 Resp: 86654

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.3 37.2 55.8#

