

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013093.D
 Acq On : 17 Sep 2019 16:30
 Operator : SY/VA
 Sample : K4846-03
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:33:44 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	140806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	205700	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	168686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	70163	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	66496	51.13	ug/l	0.00
Spiked Amount						
			Recovery	=	102.26%	
35) Dibromofluoromethane	7.88	113	59002	52.86	ug/l	0.00
Spiked Amount						
			Recovery	=	105.72%	
50) Toluene-d8	10.32	98	241372	55.26	ug/l	0.00
Spiked Amount						
			Recovery	=	110.52%	
62) 4-Bromofluorobenzene	12.62	95	73928	47.07	ug/l	0.00
Spiked Amount						
			Recovery	=	94.14%	

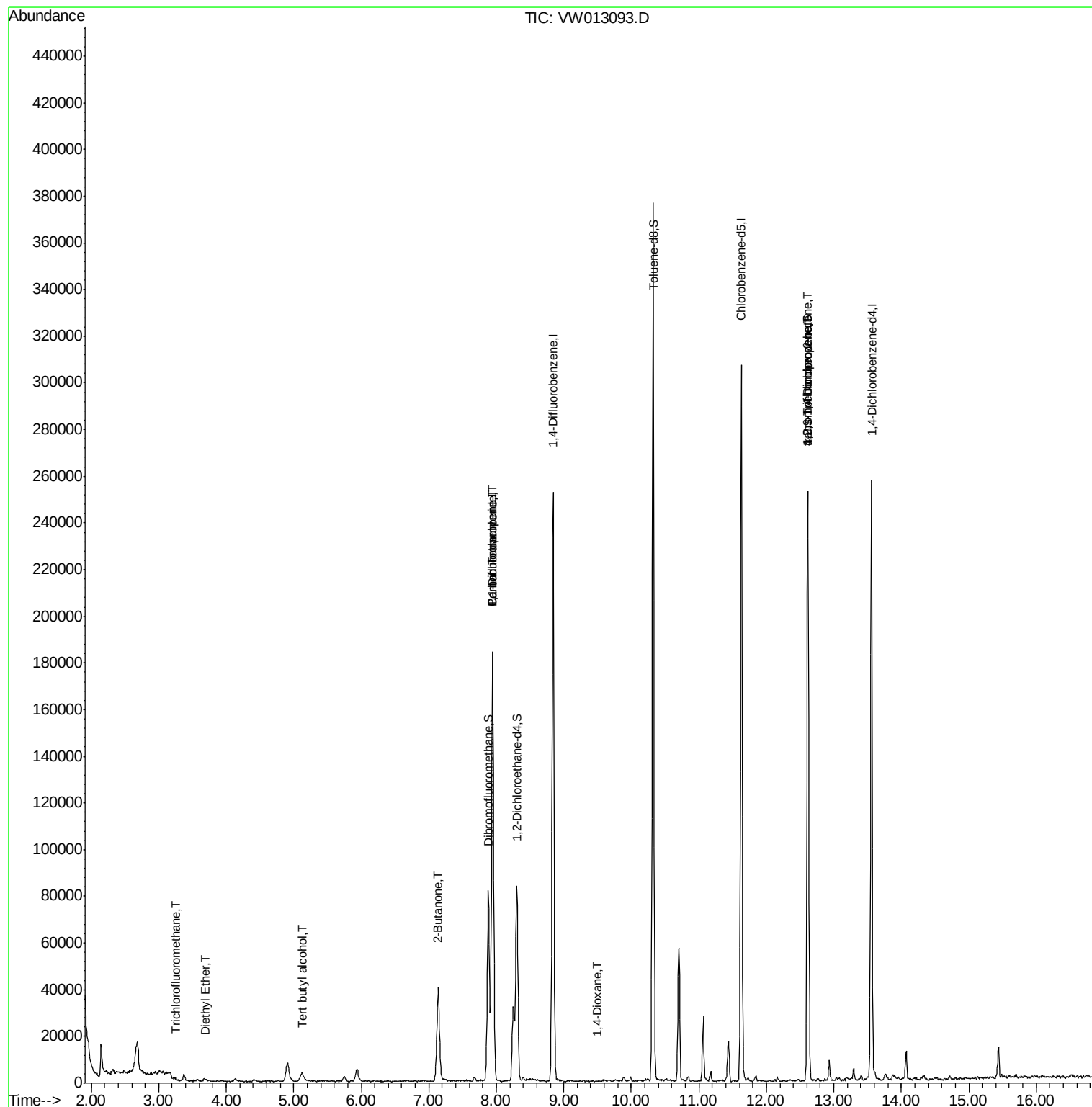
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	220	Below Cal		95
3) Chloromethane	2.20	50	105	Below Cal	#	41
7) Trichlorofluoromethane	3.26	101	733	1.040	ug/l #	62
8) Diethyl Ether	3.70	74	660	1.199	ug/l #	1
11) Tert butyl alcohol	5.12	59	2667	9.801	ug/l #	76
13) Acrolein	3.94	56	91	Below Cal	#	15
16) Acetone	4.14	43	2072	Below Cal	#	87
25) 2-Butanone	7.14	43	2521	6.097	ug/l #	53
26) 2,2-Dichloropropane	7.14	77	2825	Below Cal	#	55
31) Cyclohexane	7.95	56	2808	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	10878	6.618	ug/l #	51
38) Carbon Tetrachloride	7.95	117	13132	7.796	ug/l #	15
49) 1,4-Dioxane	9.50	88	22	2.248	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	37523	61.055	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	37523	138.503	ug/l #	7

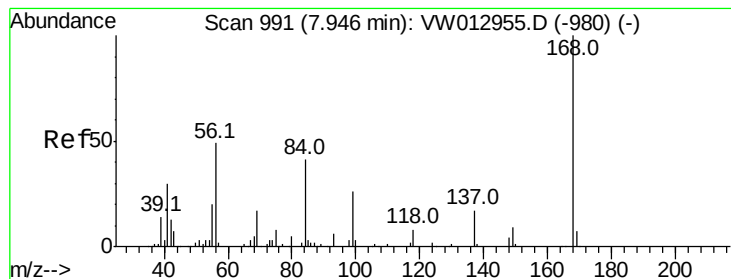
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091719\
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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: VW013093.D

Acq: 17 Sep 2019 16:30

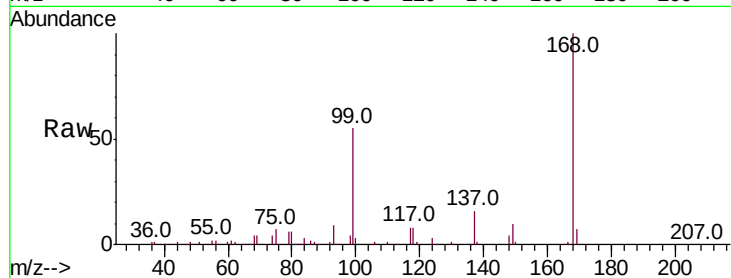
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 140806

Ion Ratio Lower Upper

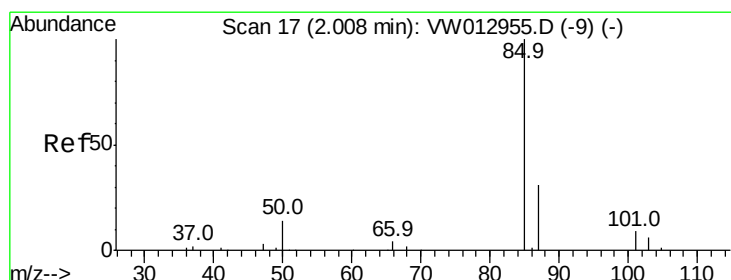
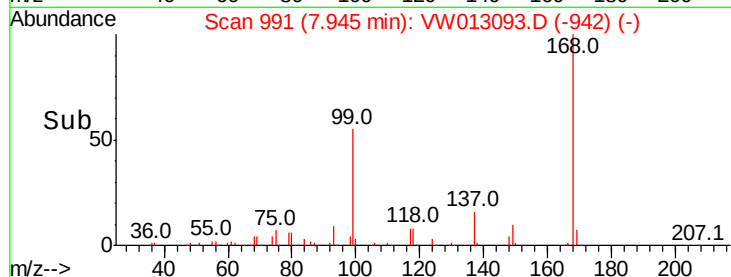
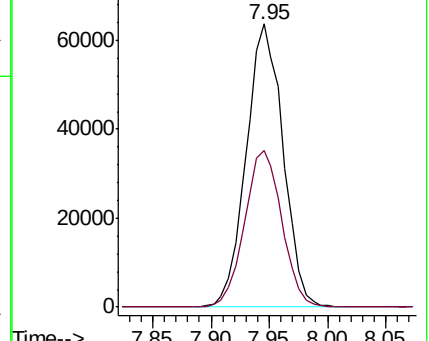
168 100

99 55.3 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: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013093.D

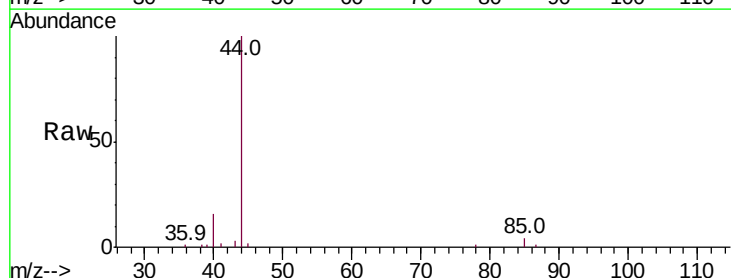
Acq: 17 Sep 2019 16:30

Tgt Ion: 85 Resp: 220

Ion Ratio Lower Upper

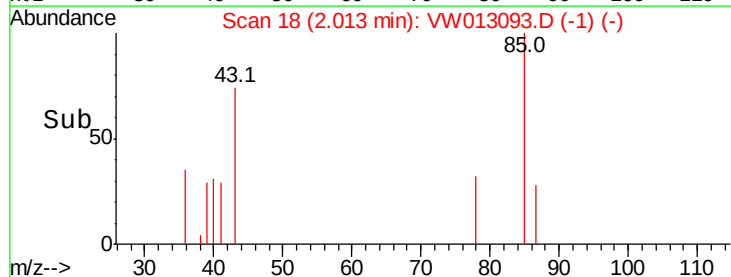
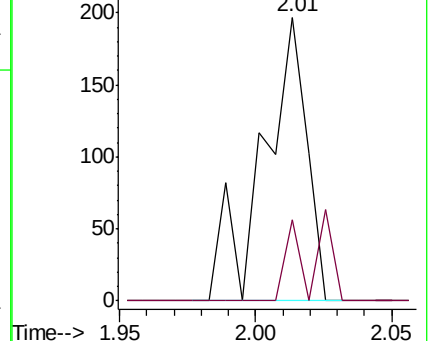
85 100

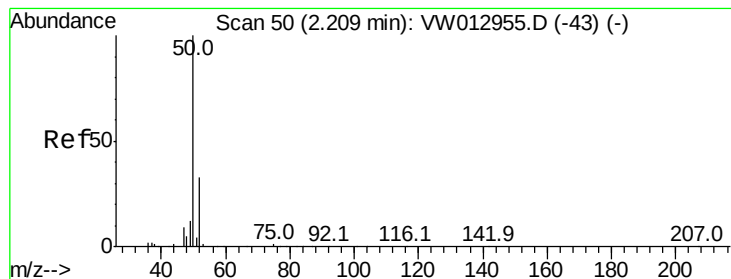
87 28.4 15.4 46.4



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: VW013093.D

Acq: 17 Sep 2019 16:30

Instrument :

MSVOA_W

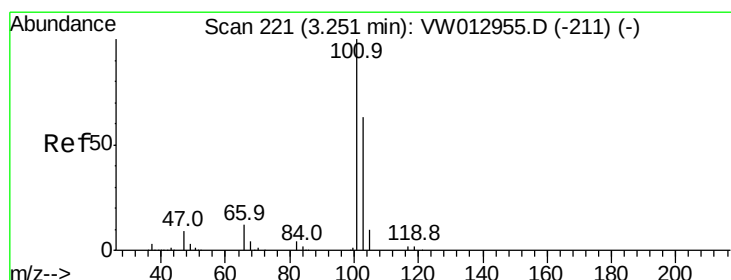
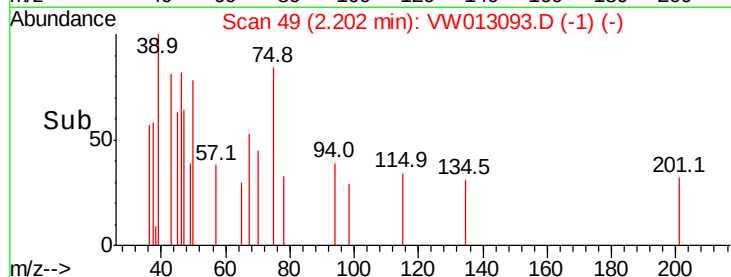
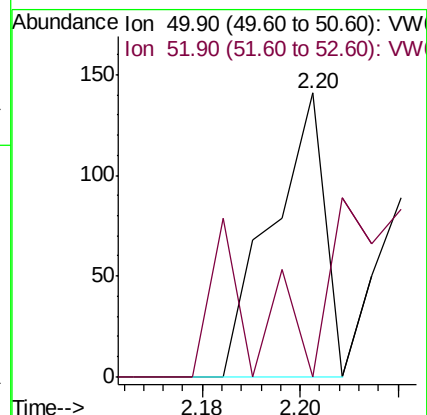
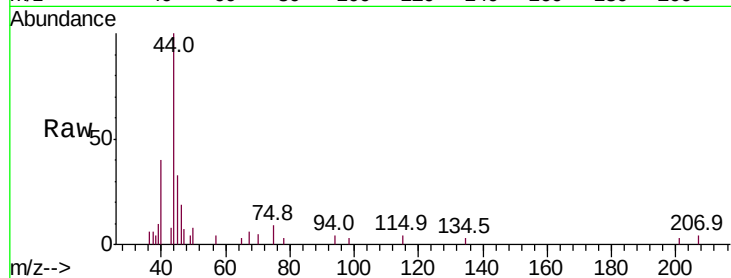
ClientSampled :

Tot Ion: 50 Resp: 105

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#7

Trichlorofluoromethane

Concen: 1.040 ug/l

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW013093.D

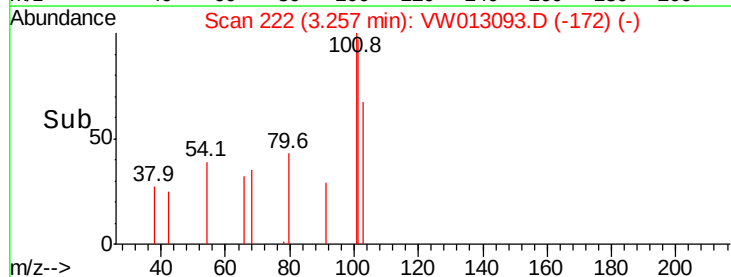
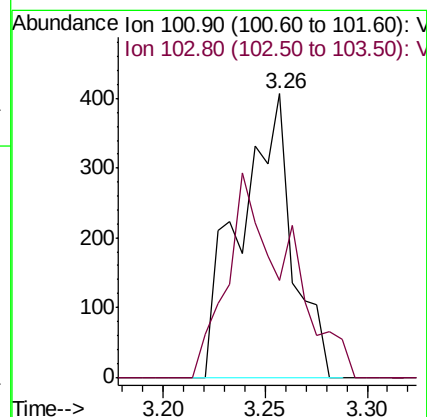
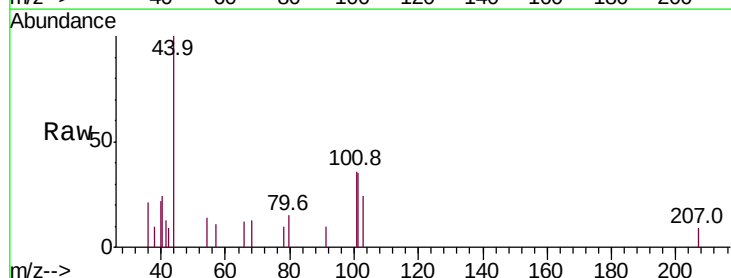
Acq: 17 Sep 2019 16:30

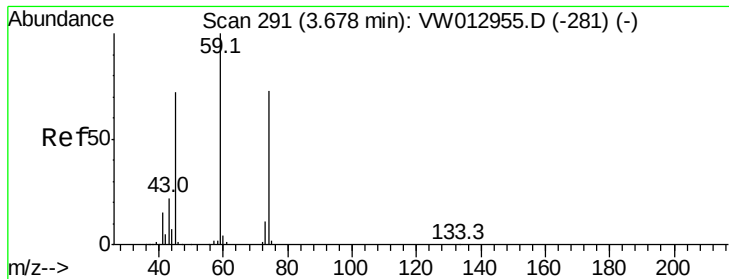
Tgt Ion: 101 Resp: 733

Ion Ratio Lower Upper

101 100

103 34.2 50.7 76.1#





#8

Diethyl Ether

Concen: 1.199 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.02 min

Lab File: VW013093.D

Acq: 17 Sep 2019 16:30

Instrument :

MSVOA_W

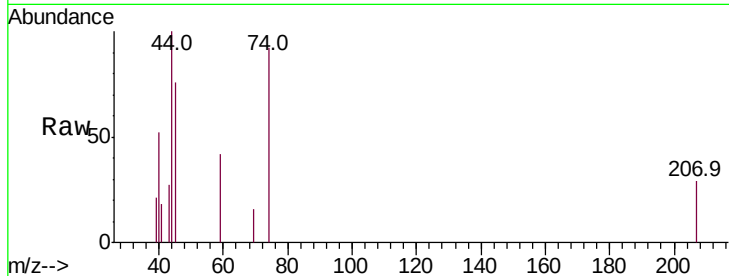
ClientSampled :

Tot Ion: 74 Resp: 660

Ion Ratio Lower Upper

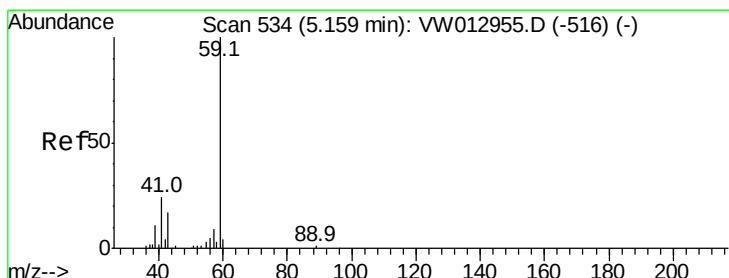
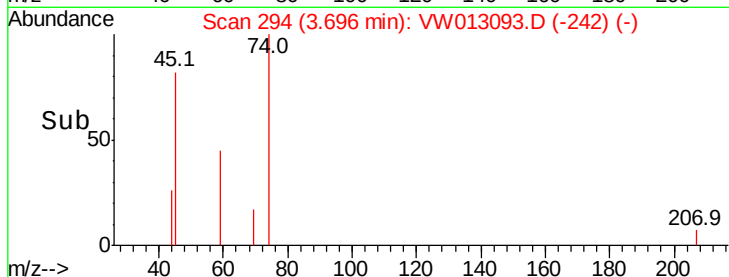
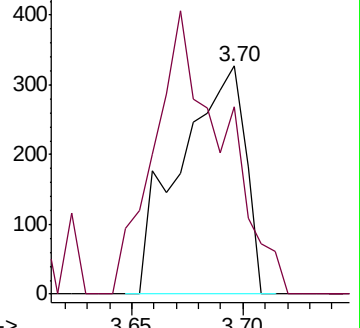
74 100

45 0.0 53.8 161.4#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#11

Tert butyl alcohol

Concen: 9.801 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW013093.D

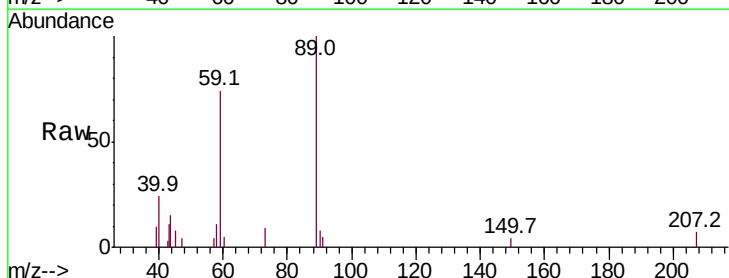
Acq: 17 Sep 2019 16:30

Tgt Ion: 59 Resp: 2667

Ion Ratio Lower Upper

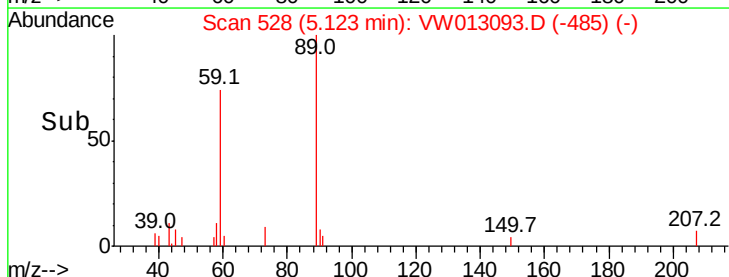
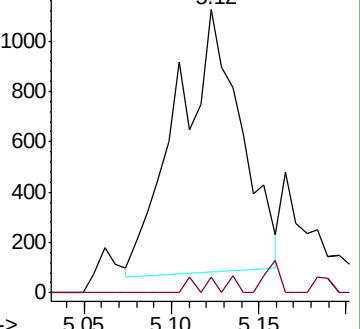
59 100

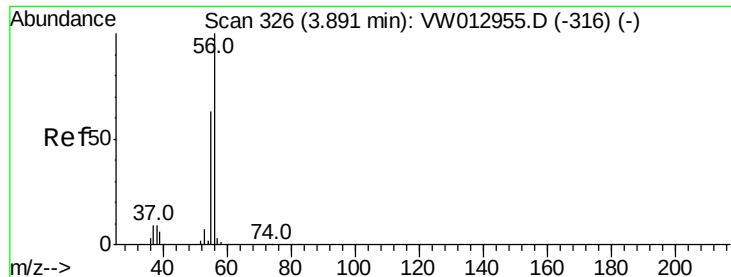
57 1.8 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

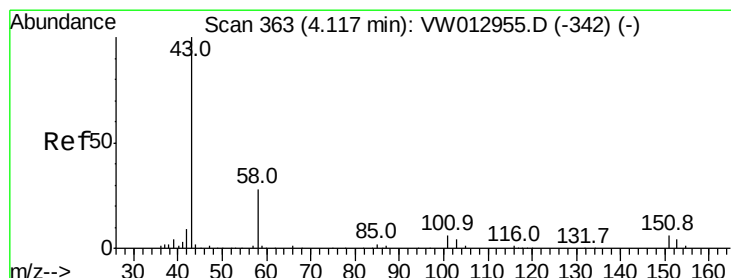
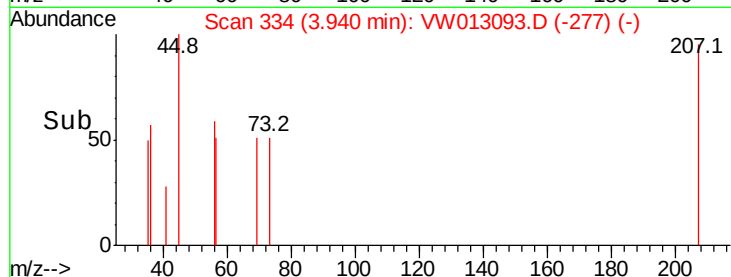
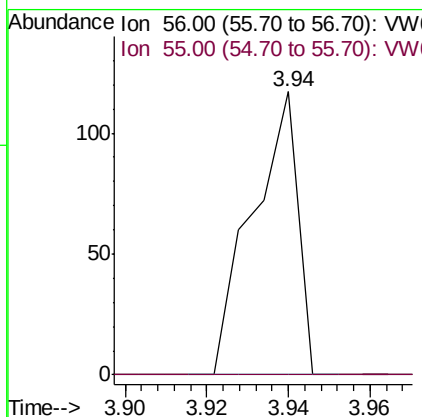
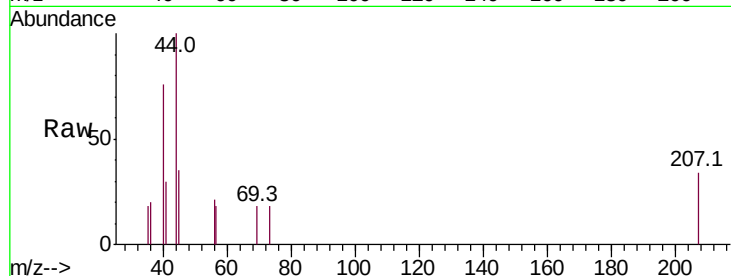




#13
Acrolein
Concen: Below Cal
RT: 3.94 min Scan# 334
Delta R.T. 0.05 min
Lab File: VW013093.D
Acq: 17 Sep 2019 16:30

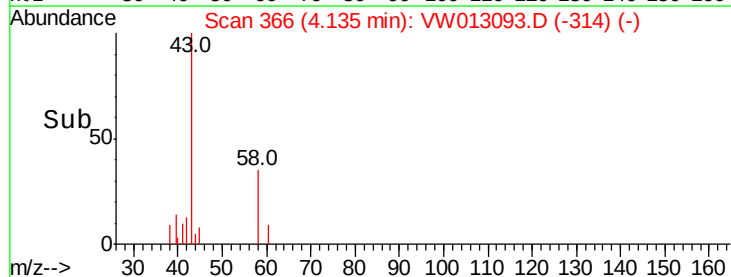
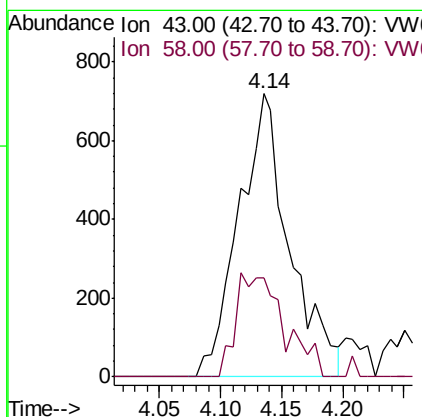
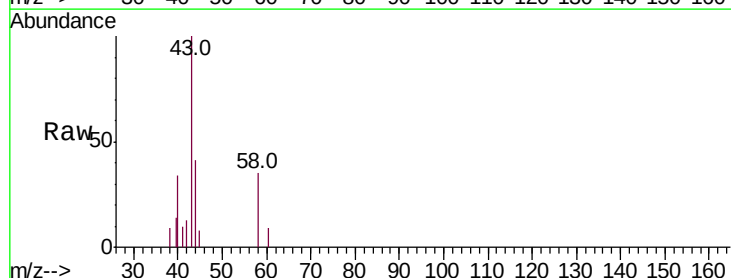
Instrument :
MSVOA_W
ClientSampled :

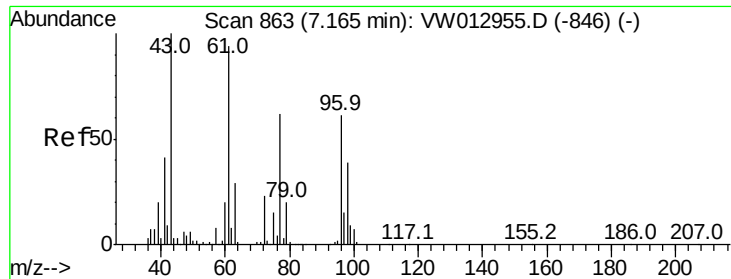
Tot Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: Below Cal
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW013093.D
Acq: 17 Sep 2019 16:30

Tgt Ion: 43 Resp: 2072
Ion Ratio Lower Upper
43 100
58 34.8 22.3 33.5#





#25

2-Butanone

Concen: 6.097 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013093.D

Acq: 17 Sep 2019 16:30

Instrument :

MSVOA_W

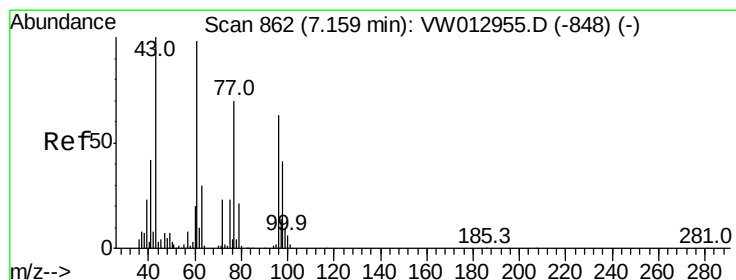
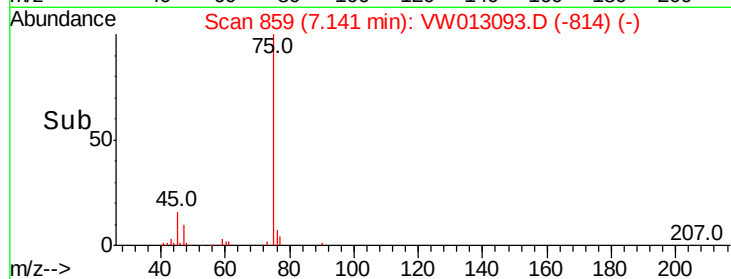
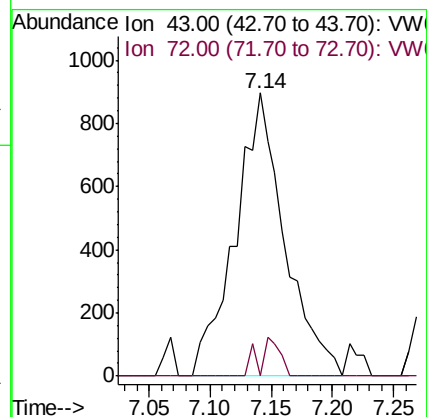
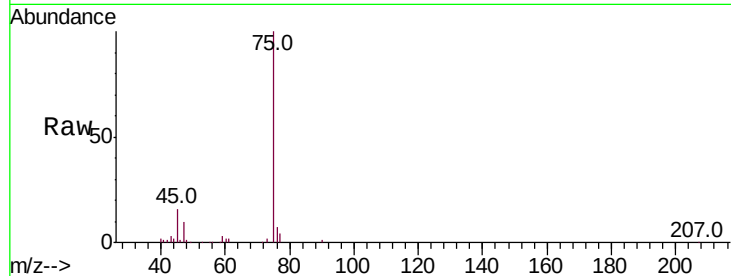
ClientSampled :

Tot Ion: 43 Resp: 2521

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013093.D

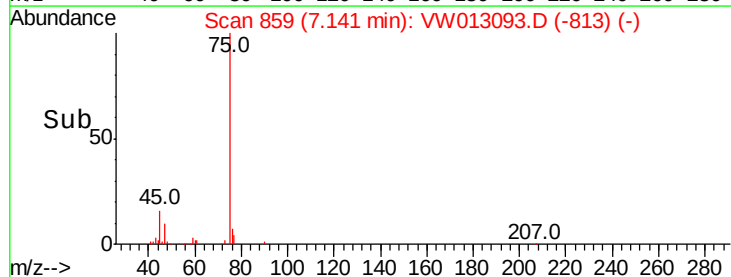
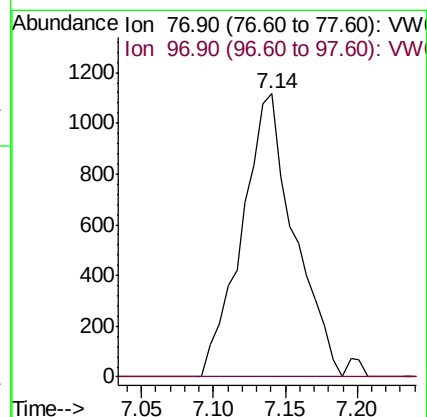
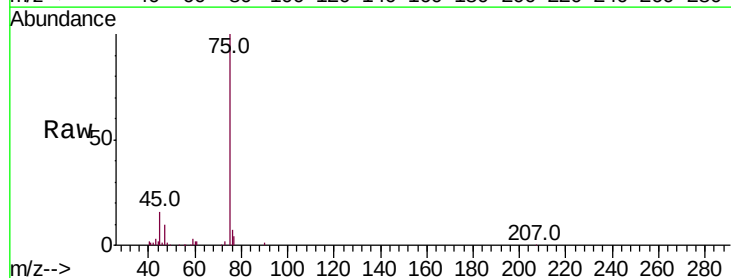
Acq: 17 Sep 2019 16:30

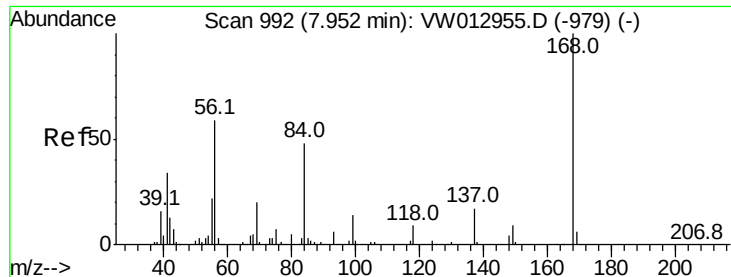
Tgt Ion: 77 Resp: 2825

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#

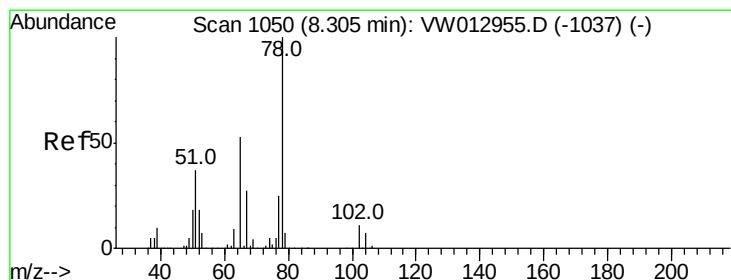
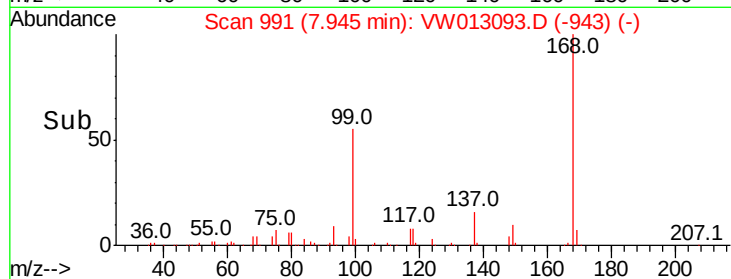
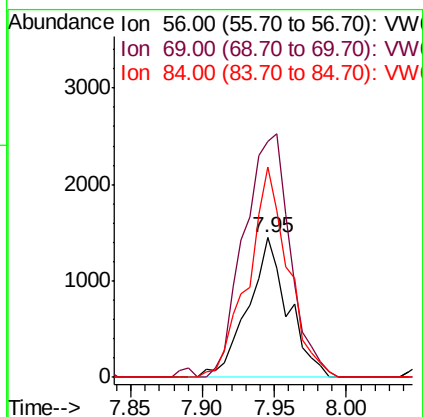
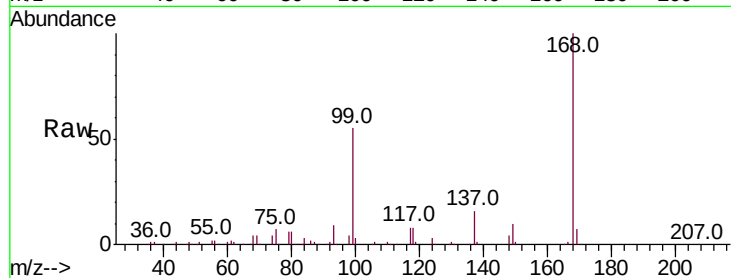




#31
Cyclohexane
Concen: Below Cal
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013093.D
Acq: 17 Sep 2019 16:30

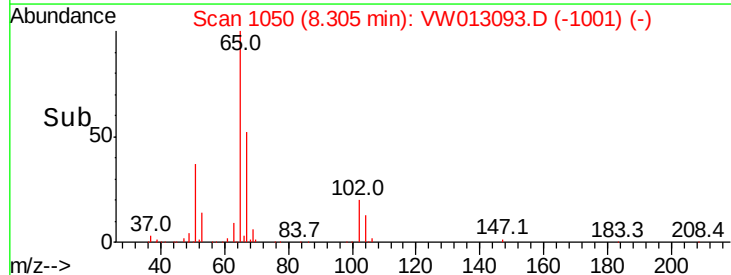
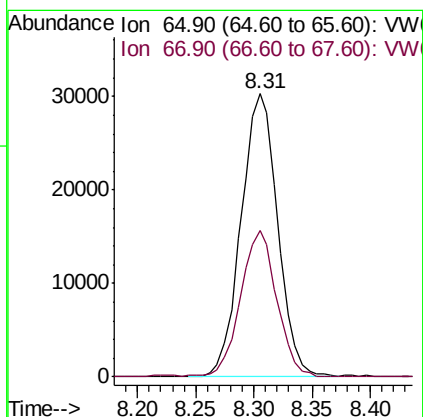
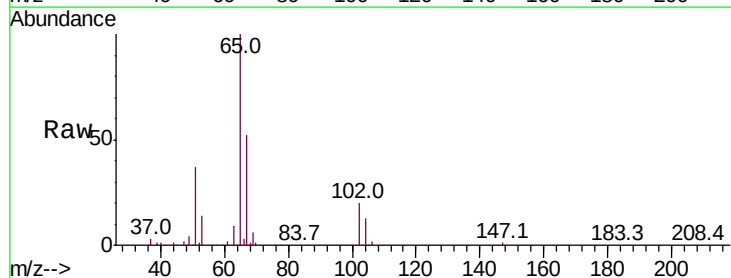
Instrument :
MSVOA_W
ClientSampled :

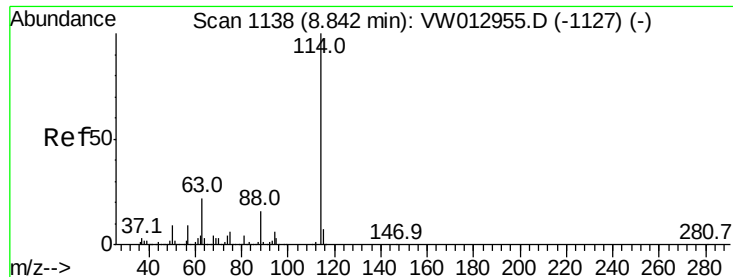
Tot Ion: 56 Resp: 2808
Ion Ratio Lower Upper
56 100
69 168.9 27.0 40.6#
84 150.8 66.2 99.2#



#33
1,2-Dichloroethane-d4
Concen: 51.133 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013093.D
Acq: 17 Sep 2019 16:30

Tgt Ion: 65 Resp: 66496
Ion Ratio Lower Upper
65 100
67 51.3 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: VW013093.D

Acq: 17 Sep 2019 16:30

Instrument :

MSVOA_W

ClientSampleId :

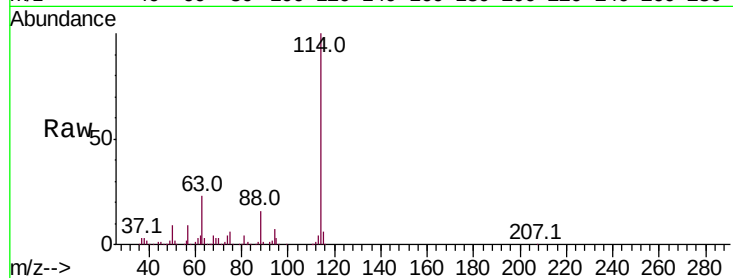
Tot Ion:114 Resp: 205700

Ion Ratio Lower Upper

114 100

63 23.0 0.0 43.4

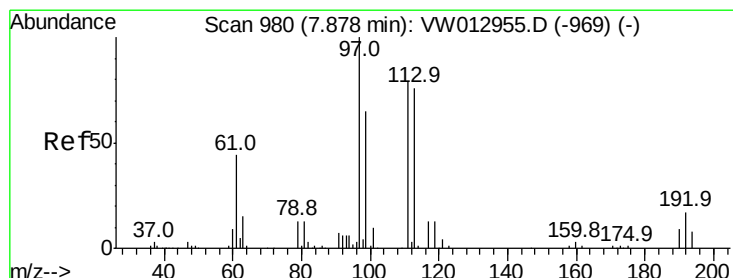
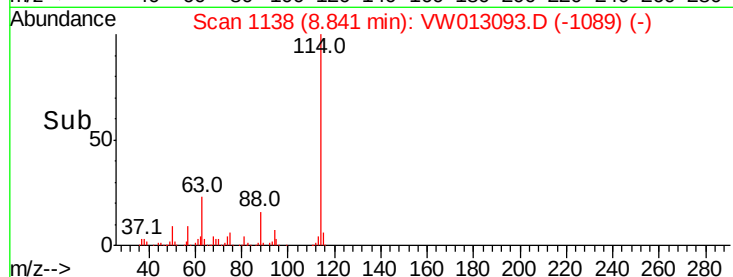
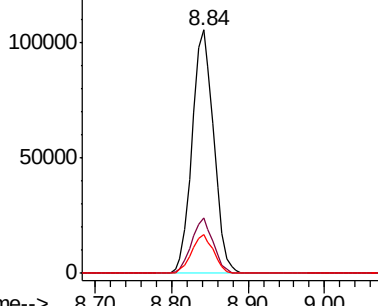
88 16.0 0.0 31.6



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: 52.862 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013093.D

Acq: 17 Sep 2019 16:30

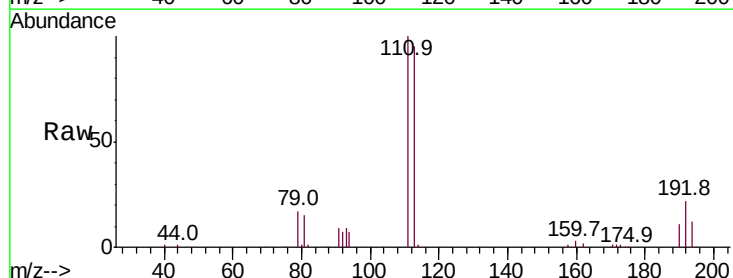
Tgt Ion:113 Resp: 59002

Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

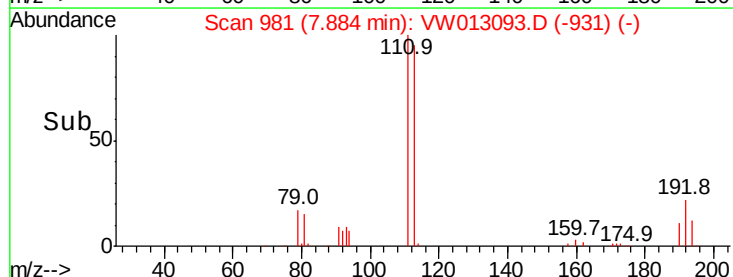
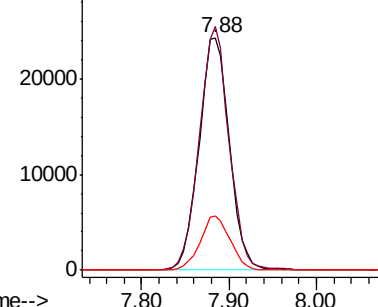
192 22.7 17.8 26.8

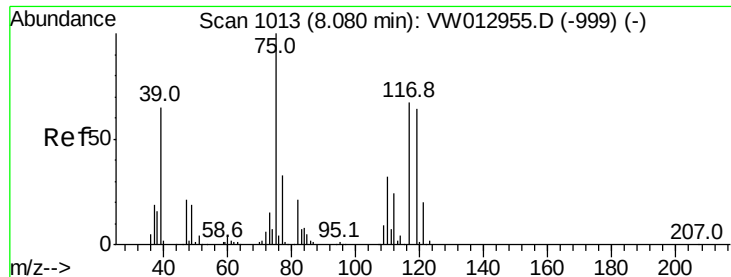


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

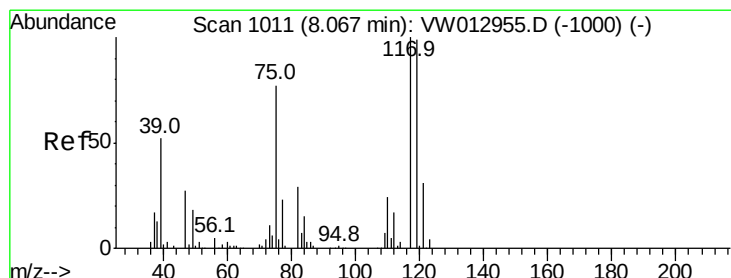
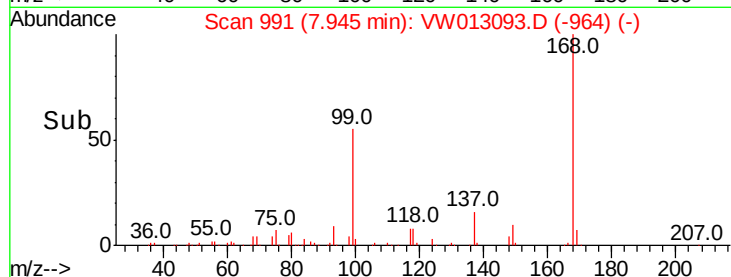
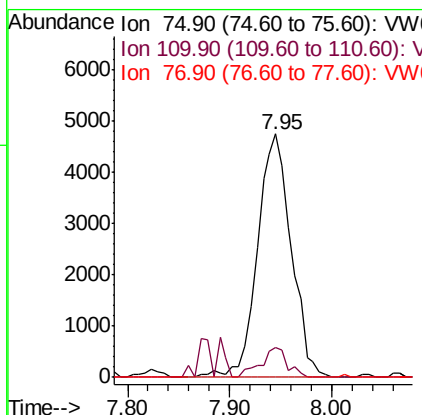
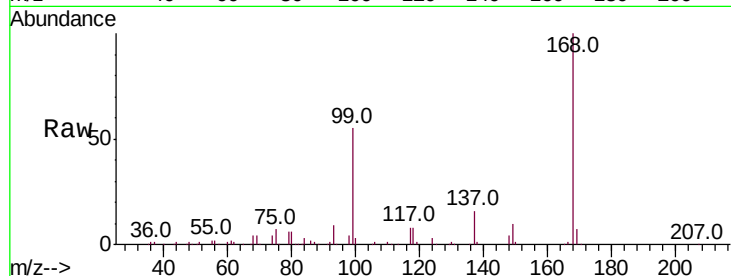




#36
 1,1-Dichloropropene
 Concen: 6.618 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013093.D
 Acq: 17 Sep 2019 16:30

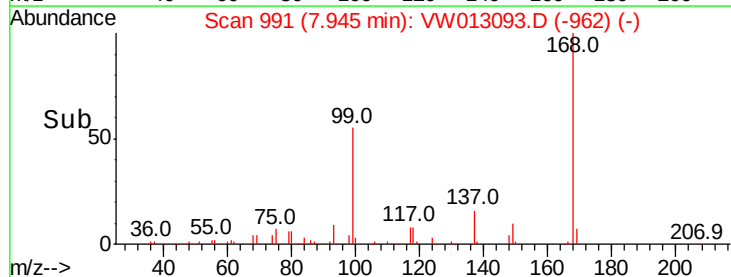
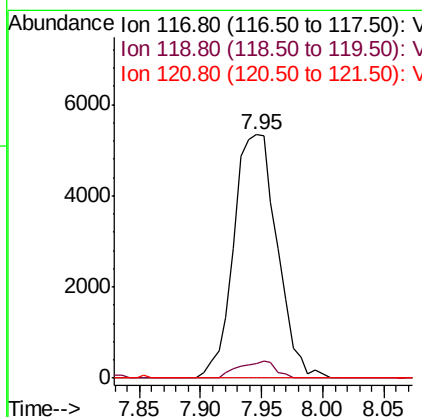
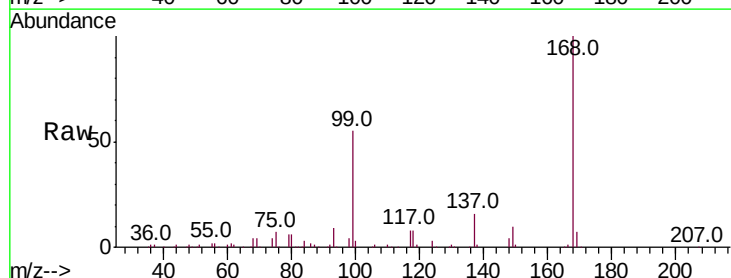
Instrument :
 MSVOA_W
 ClientSampleId :

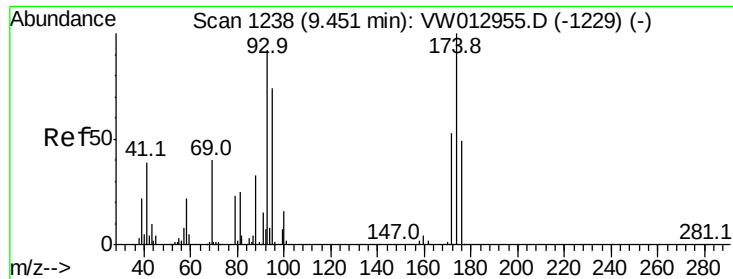
Tot Ion: 75 Resp: 10878
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.796 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013093.D
 Acq: 17 Sep 2019 16:30

Tgt Ion: 117 Resp: 13132
 Ion Ratio Lower Upper
 117 100
 119 6.1 79.4 119.0#
 121 0.0 24.6 36.8#

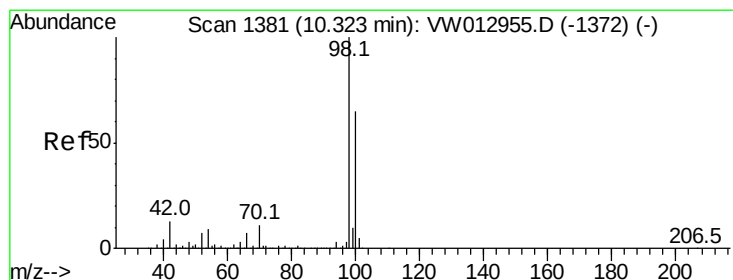
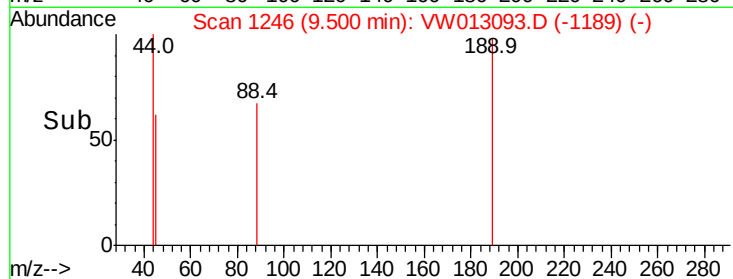
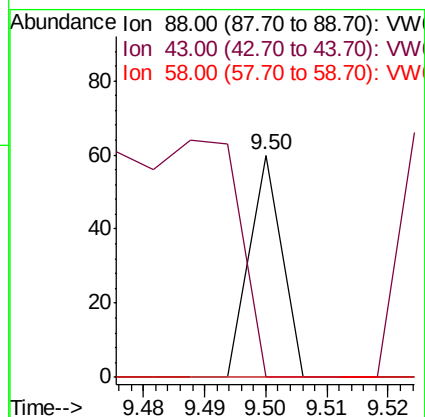
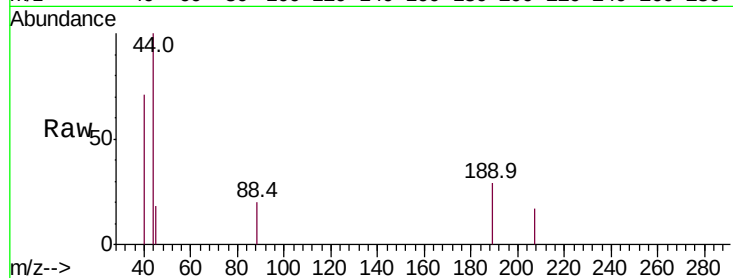




#49
1,4-Dioxane
Concen: 2.248 ug/l
RT: 9.50 min Scan# 1246
Delta R.T. 0.05 min
Lab File: VW013093.D
Acq: 17 Sep 2019 16:30

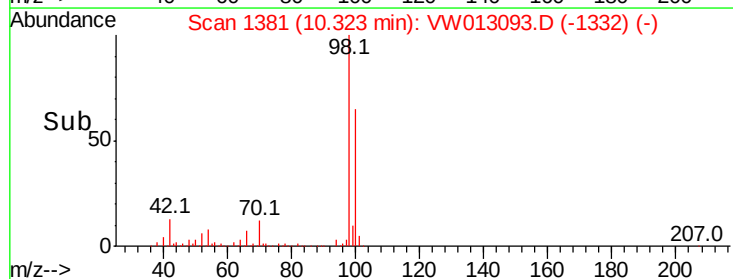
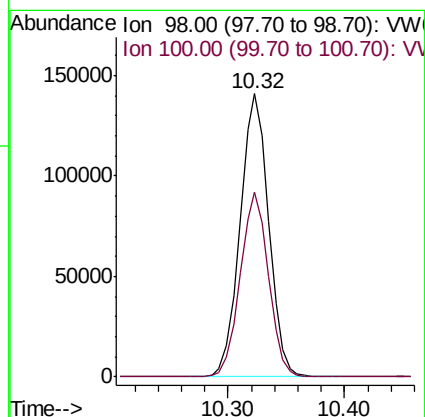
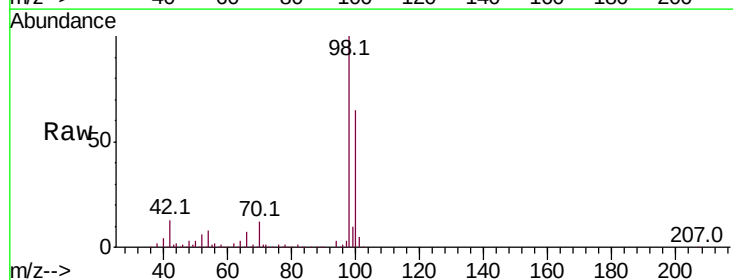
Instrument :
MSVOA_W
ClientSampleId :

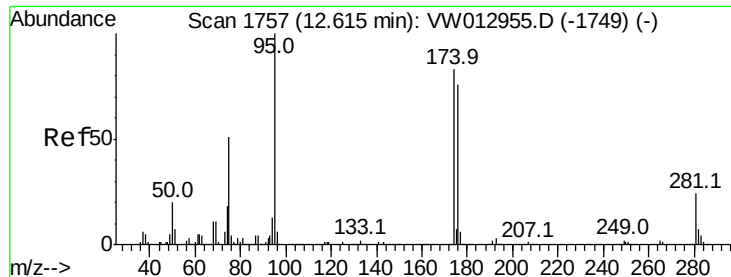
Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 404.5 31.3 46.9#
58 0.0 60.2 90.2#



#50
Toluene-d8
Concen: 55.264 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013093.D
Acq: 17 Sep 2019 16:30

Tgt Ion: 98 Resp: 241372
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1

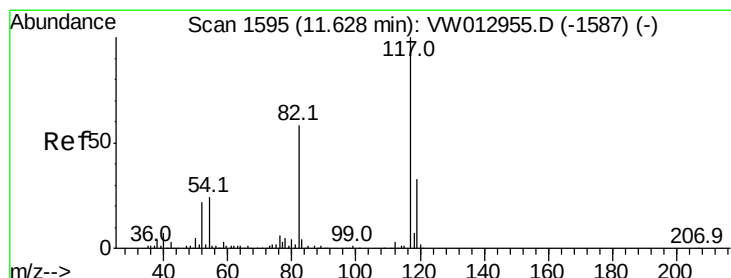
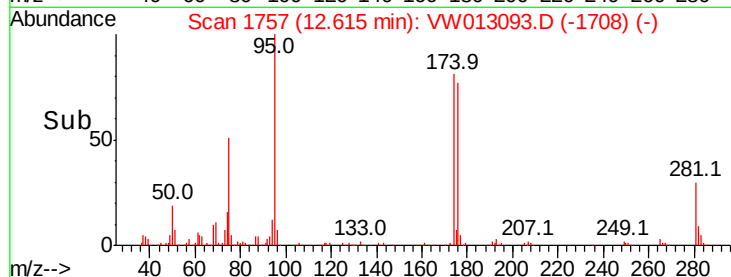
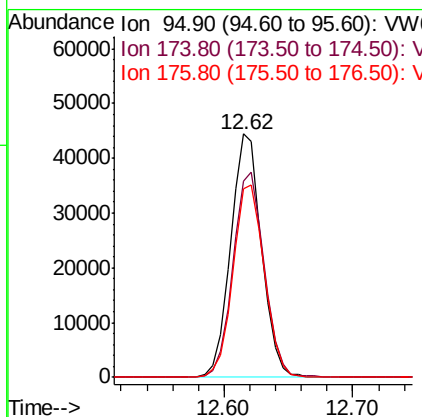
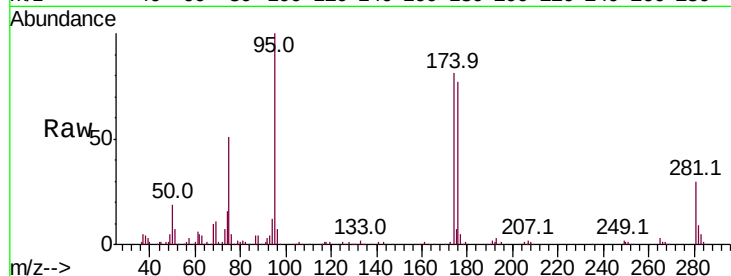




#62
4-Bromofluorobenzene
Concen: 47.073 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013093.D
Acq: 17 Sep 2019 16:30

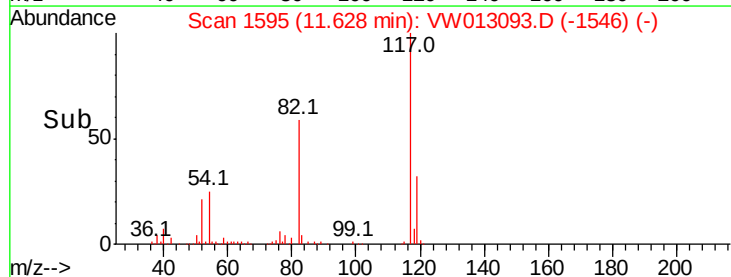
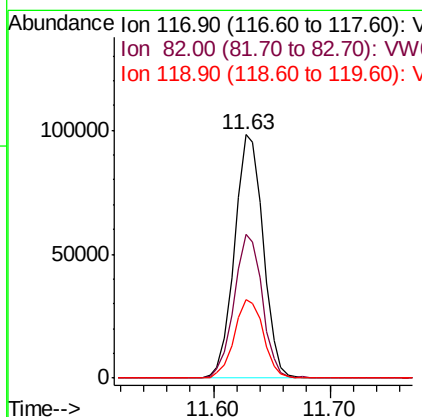
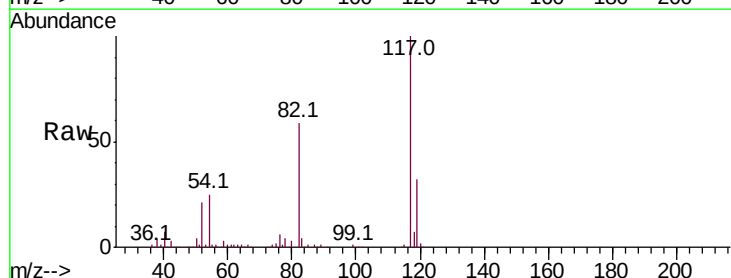
Instrument :
MSVOA_W
ClientSampleId :

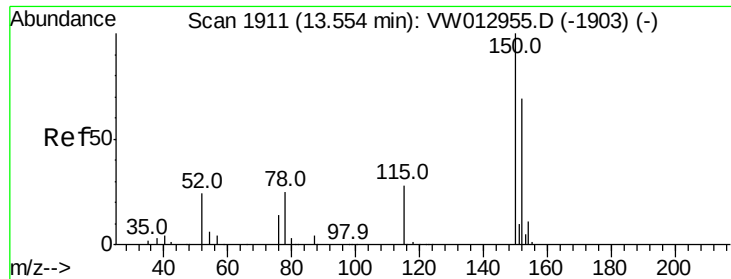
Tot Ion: 95 Resp: 73928
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.4
176 80.3 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013093.D
Acq: 17 Sep 2019 16:30

Tgt Ion: 117 Resp: 168686
Ion Ratio Lower Upper
117 100
82 59.1 46.3 69.5
119 32.3 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: VW013093.D

Acq: 17 Sep 2019 16:30

Instrument :

MSVOA_W

ClientSampleId :

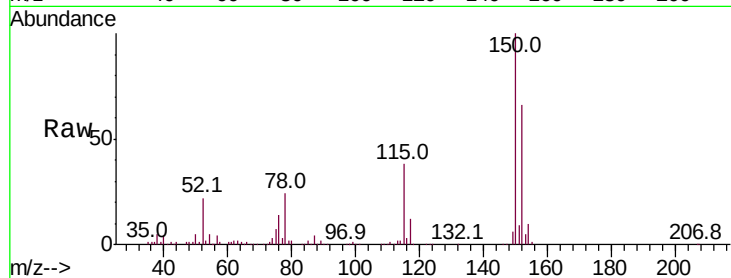
Tot Ion:152 Resp: 70163

Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.4

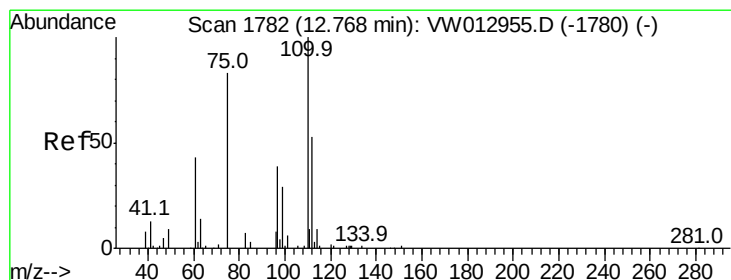
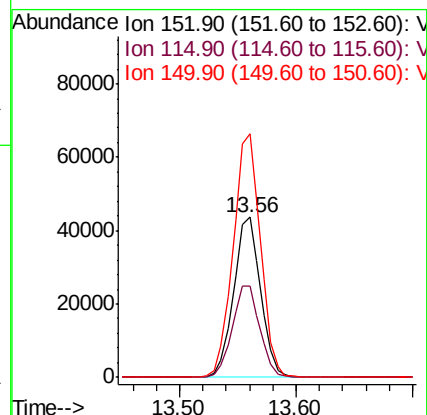
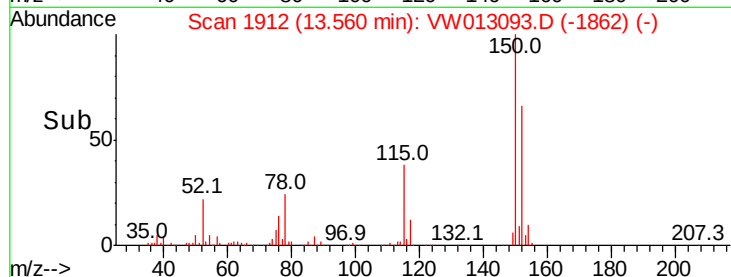
150 153.6 0.0 340.2



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: 61.055 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013093.D

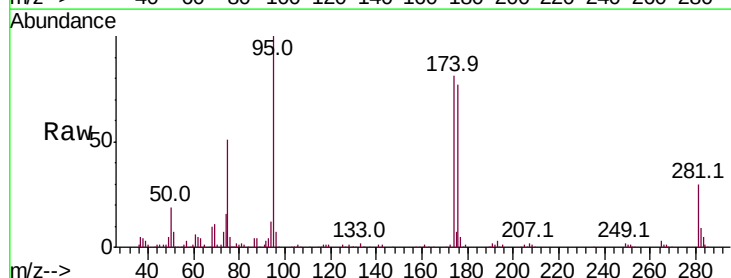
Acq: 17 Sep 2019 16:30

Tgt Ion: 75 Resp: 37523

Ion Ratio Lower Upper

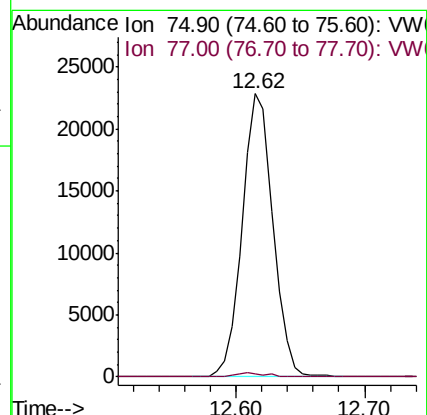
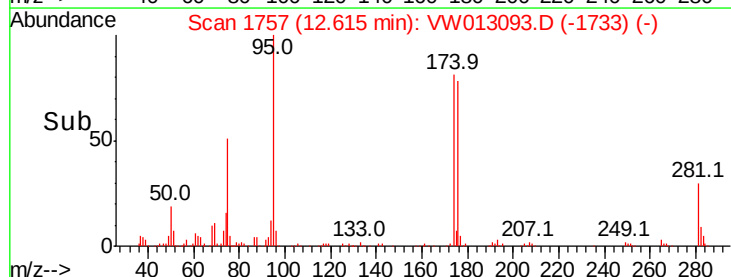
75 100

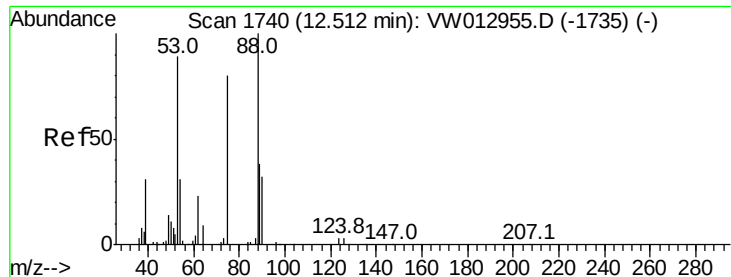
77 1.6 0.0 0.0#



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: 138.503 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013093.D

Acq: 17 Sep 2019 16:30

Instrument :

MSVOA_W

ClientSampleId :

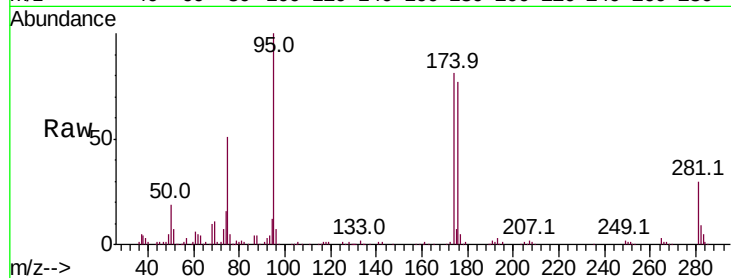
Tot Ion: 75 Resp: 37523

Ion Ratio Lower Upper

75 100

53 0.2 85.6 128.4#

89 0.2 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

