

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013079.D
 Acq On : 17 Sep 2019 10:18
 Operator : SY/VA
 Sample : VW0917SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:30:29 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

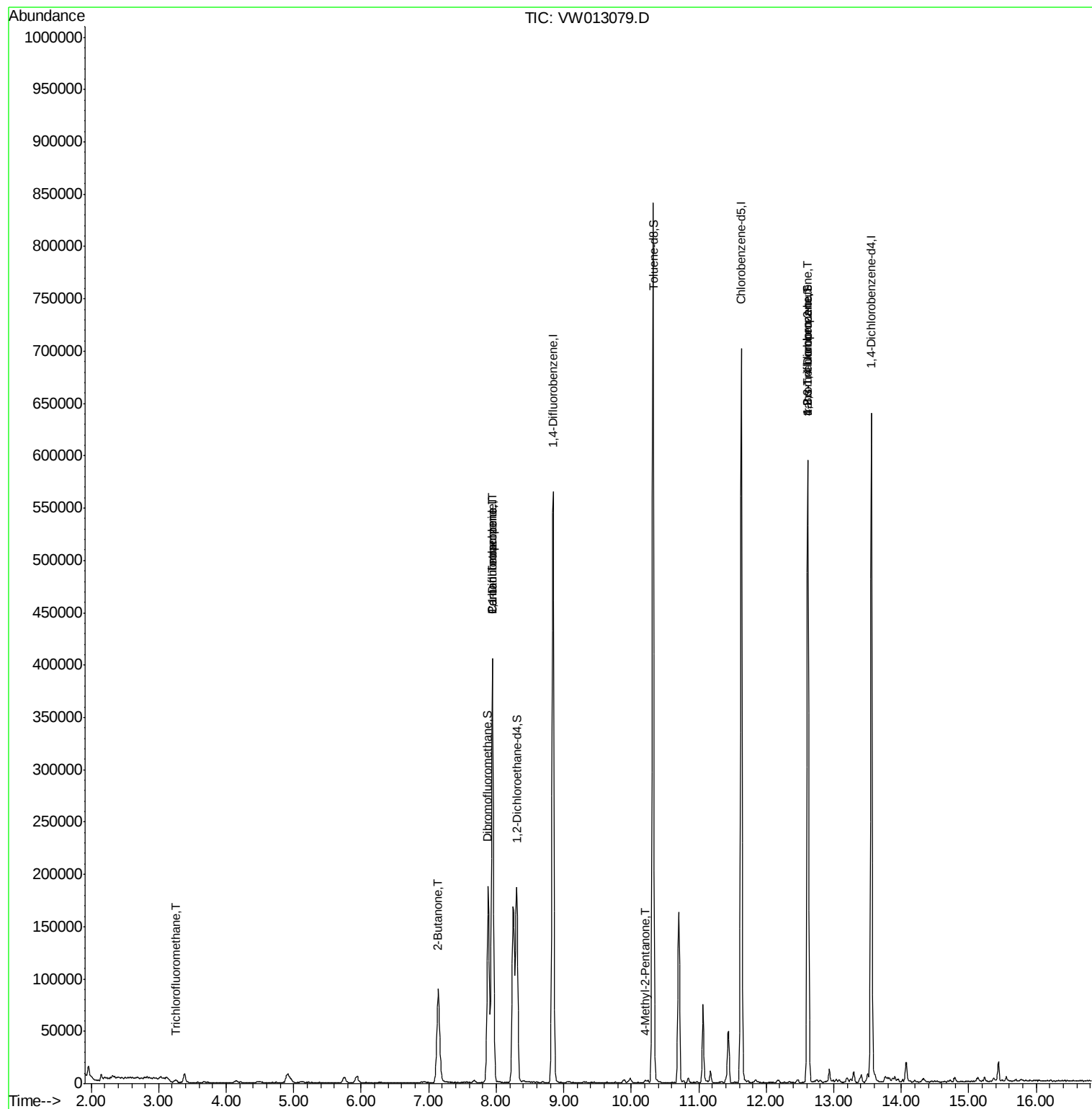
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	314346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	473822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169784	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	153544	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	7.88	113	134042	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	10.32	98	553250	54.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.98%	
62) 4-Bromofluorobenzene	12.62	95	177262	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	2010	Below Cal		88
3) Chloromethane	2.20	50	512	Below Cal	#	41
7) Trichlorofluoromethane	3.26	101	1999	1.271 ug/l	#	71
11) Tert butyl alcohol	5.13	59	582	Below Cal	#	72
13) Acrolein	3.89	56	42	Below Cal	#	1
16) Acetone	4.15	43	4127	Below Cal	#	82
20) Methylene Chloride	4.89	84	2466	Below Cal		95
25) 2-Butanone	7.13	43	5420	5.871 ug/l		92
26) 2,2-Dichloropropane	7.13	77	6569	Below Cal	#	55
31) Cyclohexane	7.95	56	6508	Below Cal	#	2
36) 1,1-Dichloropropene	7.94	75	24266	6.409 ug/l	#	50
38) Carbon Tetrachloride	7.95	117	29645	7.640 ug/l	#	15
51) 4-Methyl-2-Pentanone	10.21	43	2469	1.239 ug/l		96
76) 1,2,3-Trichloropropane	12.62	75	90212	60.660 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90212	137.606 ug/l	#	7

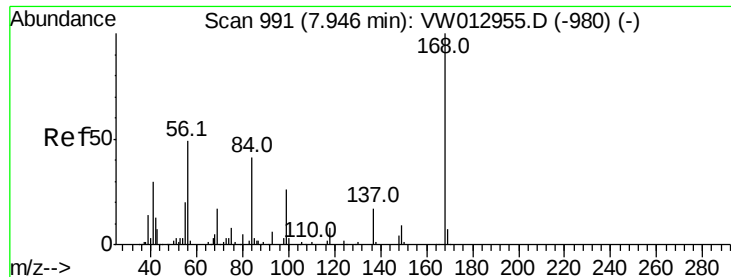
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013079.D

Acq: 17 Sep 2019 10:18

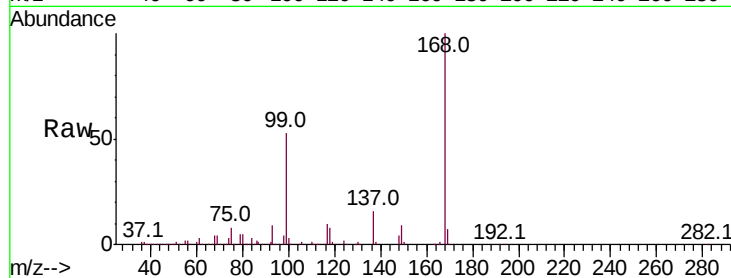
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 314346

Ion Ratio Lower Upper

168 100

99 52.9 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

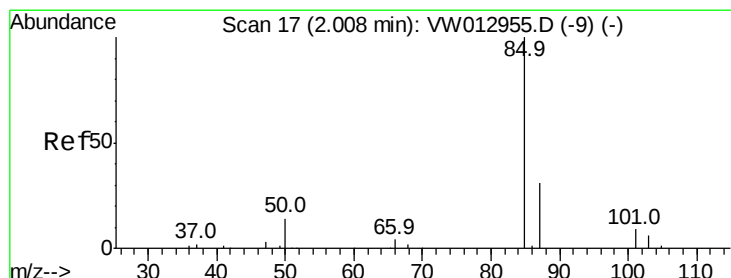
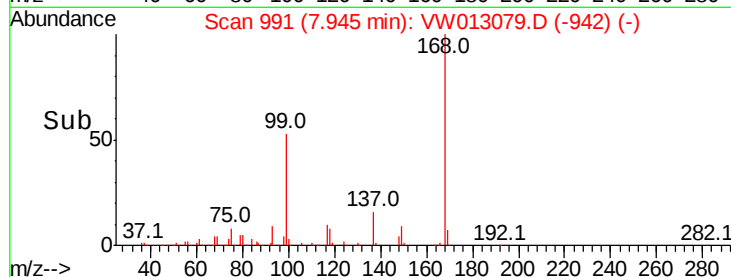
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013079.D

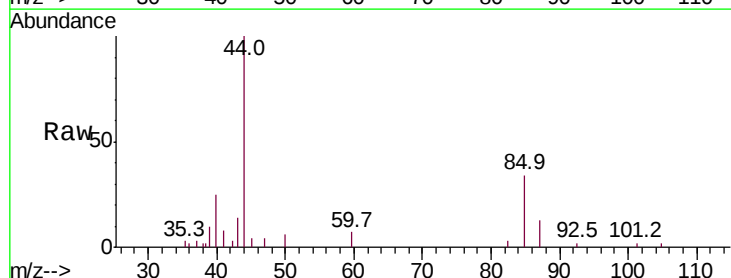
Acq: 17 Sep 2019 10:18

Tgt Ion: 85 Resp: 2010

Ion Ratio Lower Upper

85 100

87 37.4 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

1200

1000

800

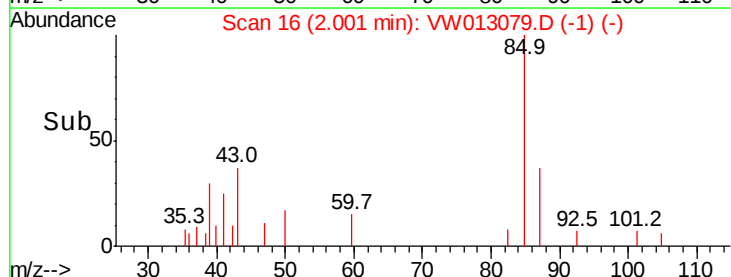
600

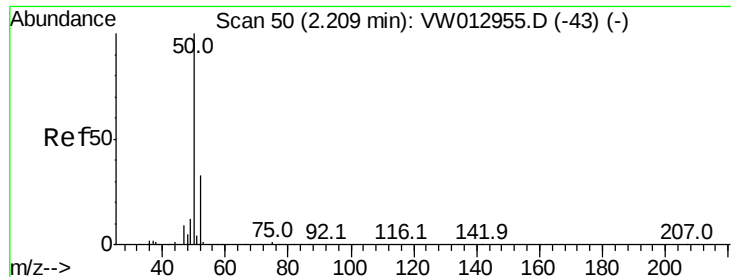
400

200

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013079.D

Acq: 17 Sep 2019 10:18

Instrument :

MSVOA_W

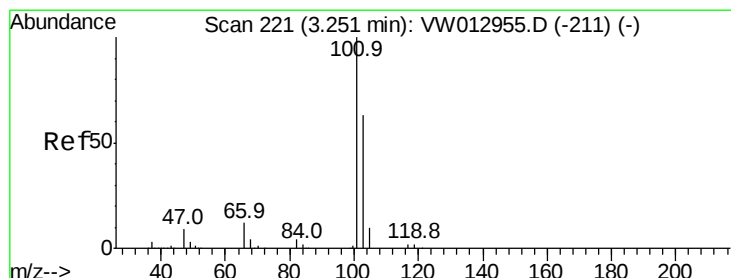
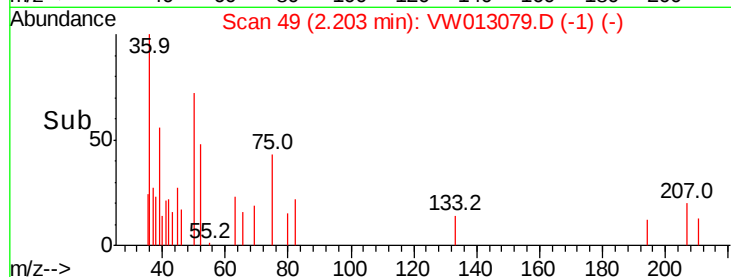
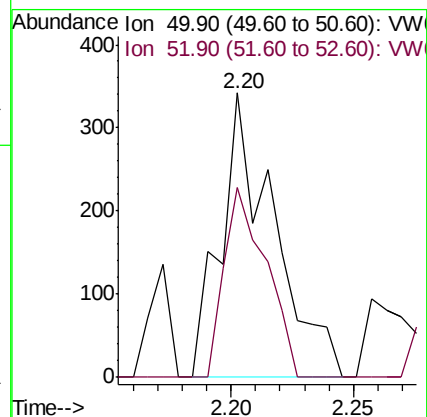
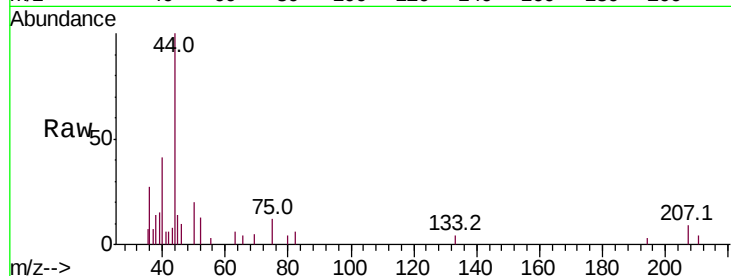
ClientSampleId :

Tot Ion: 50 Resp: 512

Ion Ratio Lower Upper

50 100

52 66.7 26.6 39.8#



#7

Trichlorofluoromethane

Concen: 1.271 ug/l

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW013079.D

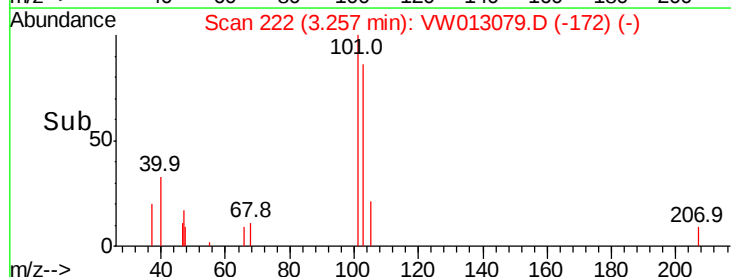
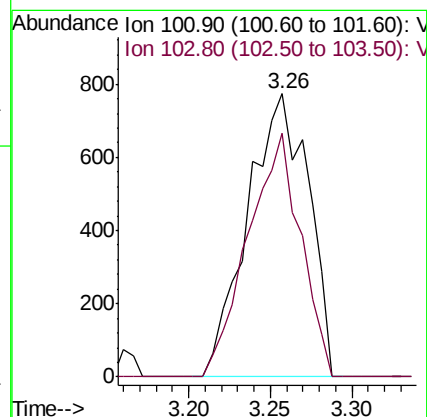
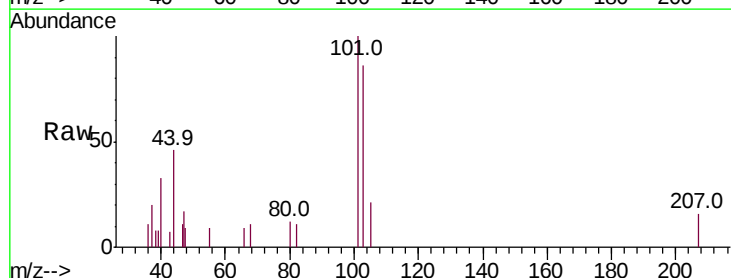
Acq: 17 Sep 2019 10:18

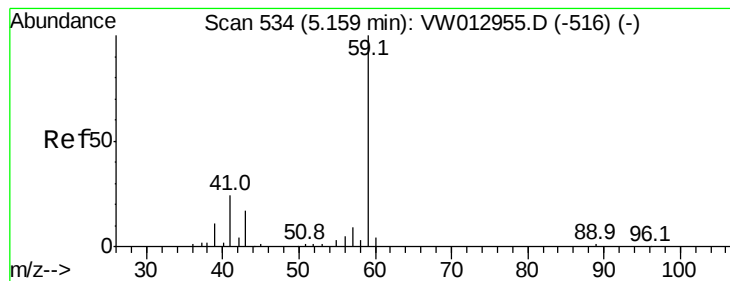
Tgt Ion:101 Resp: 1999

Ion Ratio Lower Upper

101 100

103 86.0 50.7 76.1#



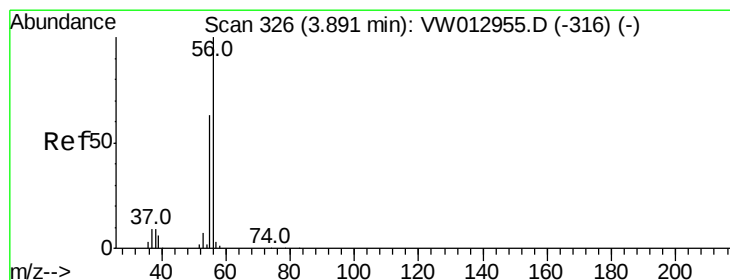
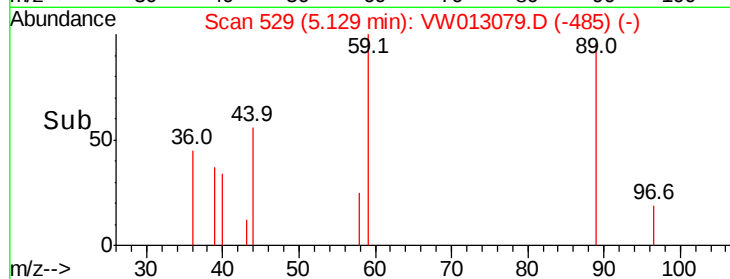
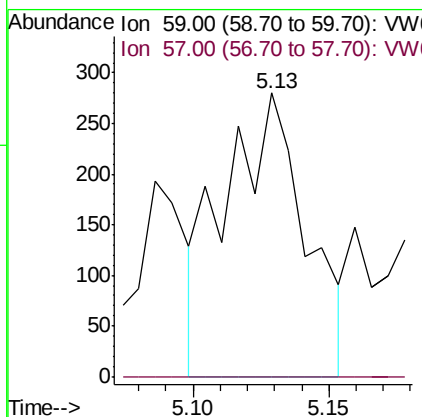
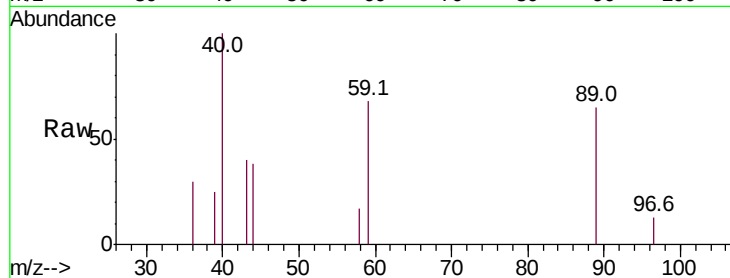


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.13 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VW013079.D
 Acq: 17 Sep 2019 10:18

Instrument :
 MSVOA_W
 ClientSampled :

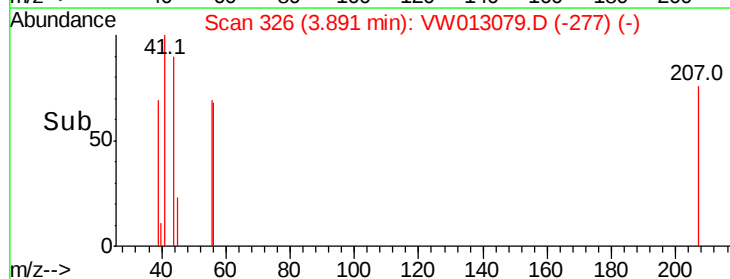
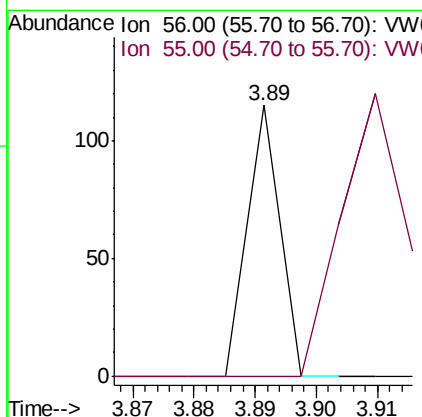
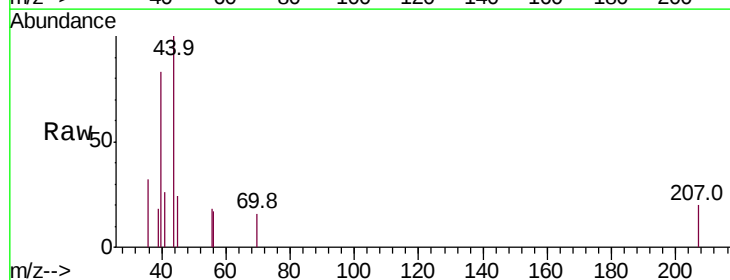
Tot Ion: 59 Resp: 582
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

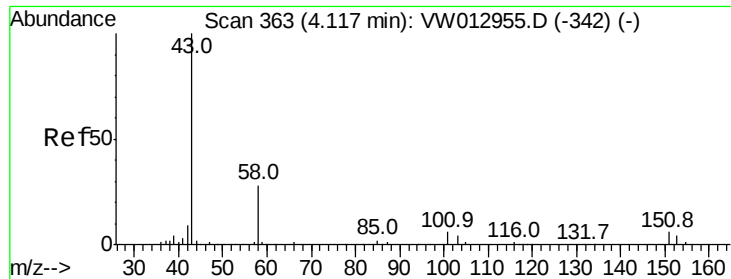


#13

Acrolein
 Concen: Below Cal
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW013079.D
 Acq: 17 Sep 2019 10:18

Tgt Ion: 56 Resp: 42
 Ion Ratio Lower Upper
 56 100
 55 207.1 55.8 83.8#





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW013079.D

Acq: 17 Sep 2019 10:18

Instrument :

MSVOA_W

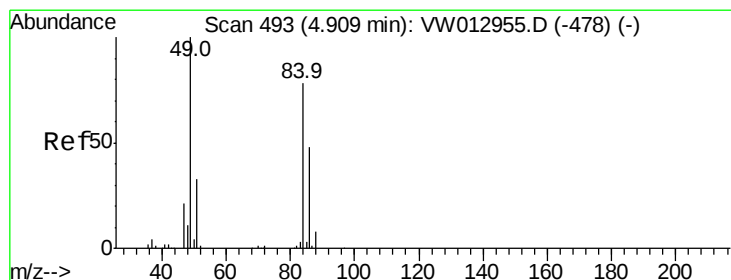
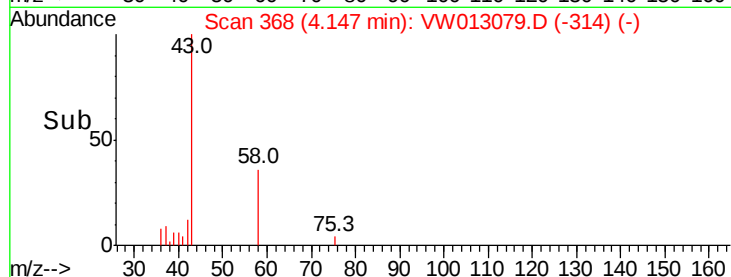
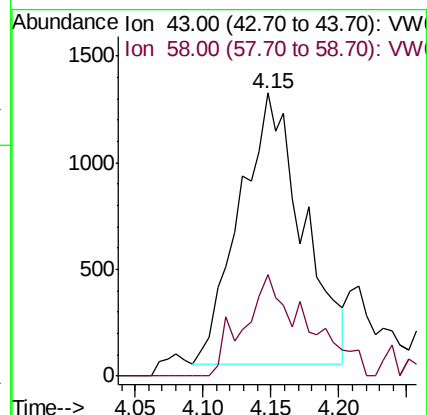
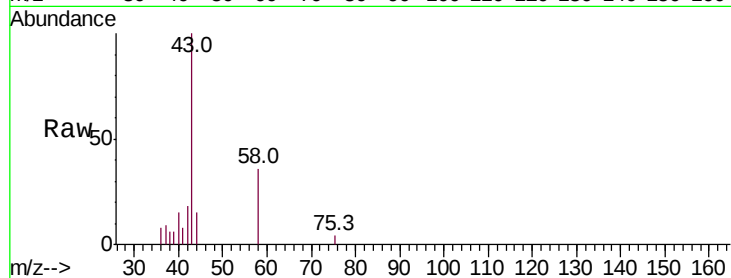
ClientSampled :

Tot Ion: 43 Resp: 4127

Ion Ratio Lower Upper

43 100

58 37.2 22.3 33.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.89 min Scan# 490

Delta R.T. -0.02 min

Lab File: VW013079.D

Acq: 17 Sep 2019 10:18

Tgt Ion: 84 Resp: 2466

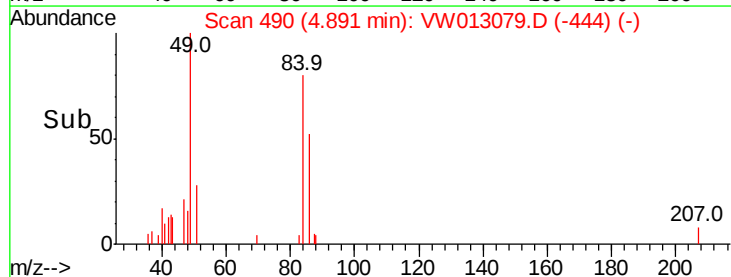
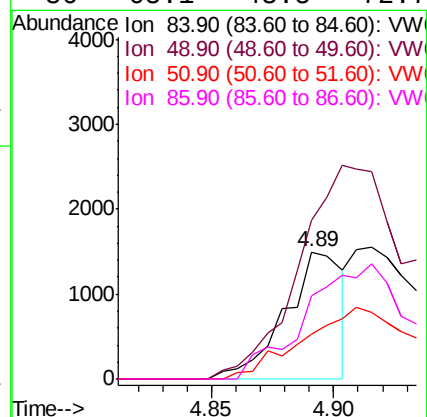
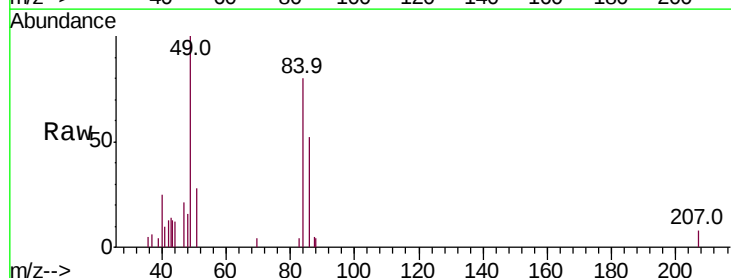
Ion Ratio Lower Upper

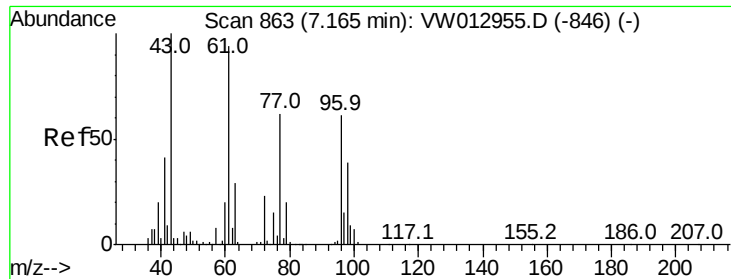
84 100

49 124.5 102.0 153.0

51 35.3 34.0 51.0

86 65.1 48.5 72.7





#25

2-Butanone

Concen: 5.871 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW013079.D

Acq: 17 Sep 2019 10:18

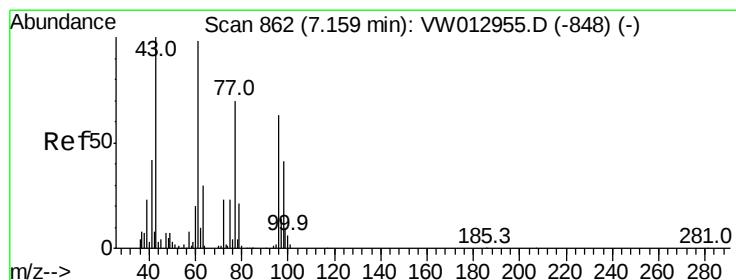
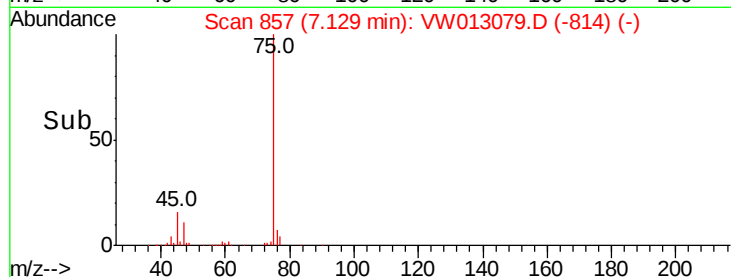
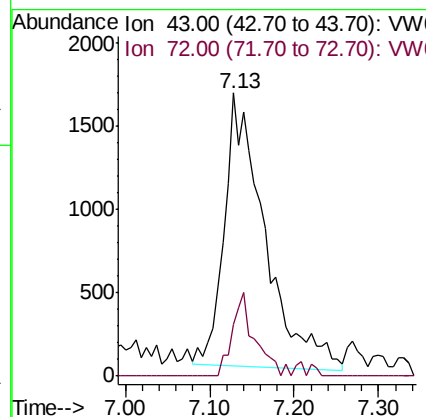
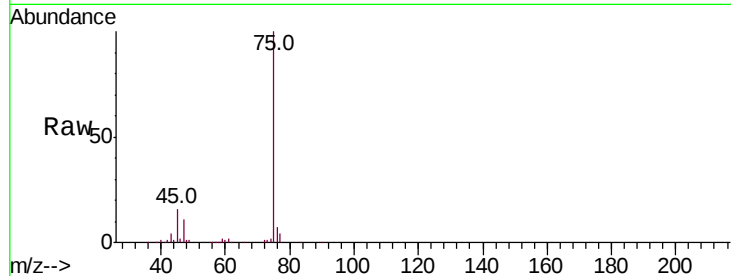
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 5420

Ion Ratio Lower Upper

43 100

72 19.1 18.2 27.4



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW013079.D

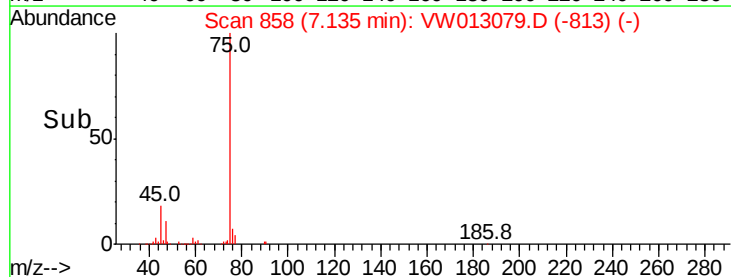
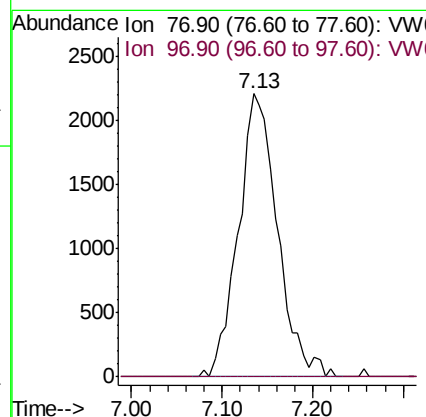
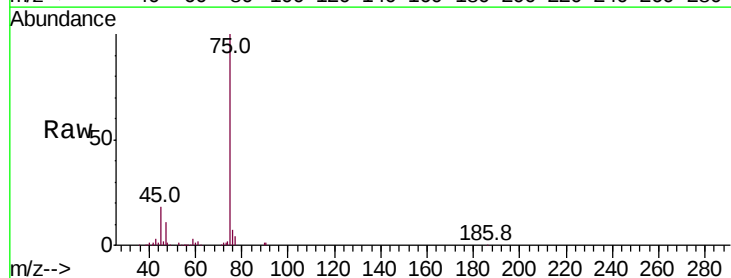
Acq: 17 Sep 2019 10:18

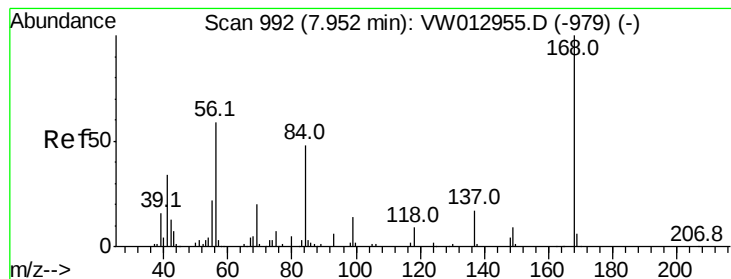
Tgt Ion: 77 Resp: 6569

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

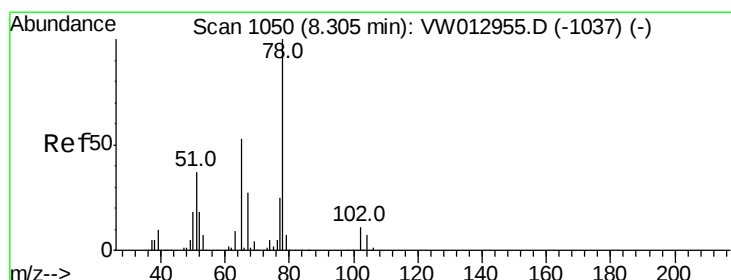
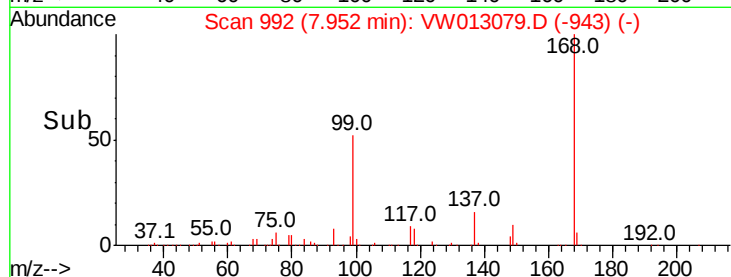
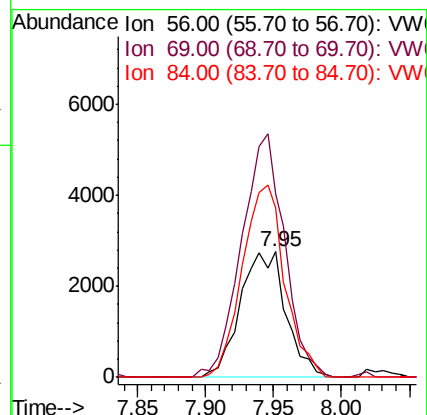
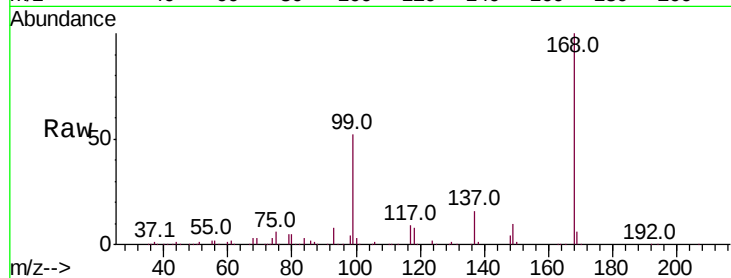
Lab File: VW013079.D

Acq: 17 Sep 2019 10:18

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 6508

Ion	Ratio	Lower	Upper
56	100		
69	145.7	27.0	40.6#
84	135.1	66.2	99.2#



#33

1,2-Dichloroethane-d4

Concen: 52.888 ug/l

RT: 8.31 min Scan# 1050

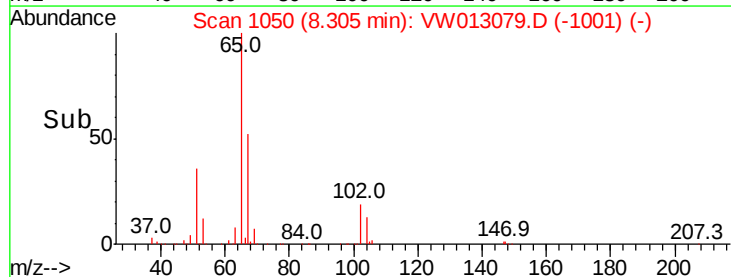
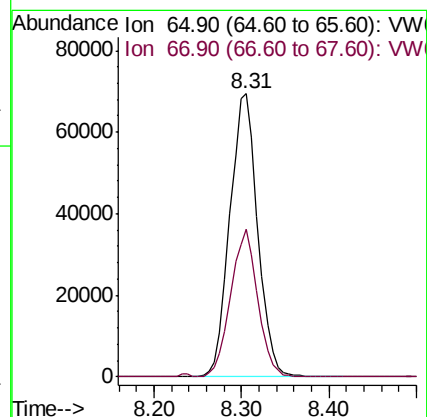
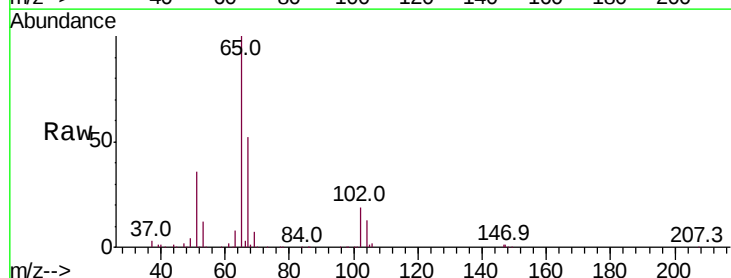
Delta R.T. -0.00 min

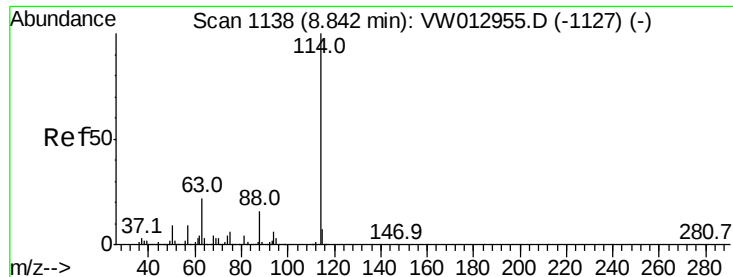
Lab File: VW013079.D

Acq: 17 Sep 2019 10:18

Tgt Ion: 65 Resp: 153544

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	101.2

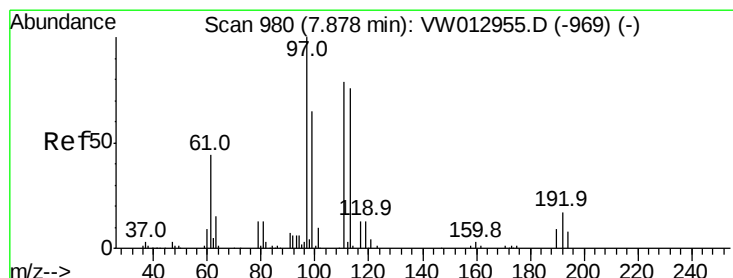
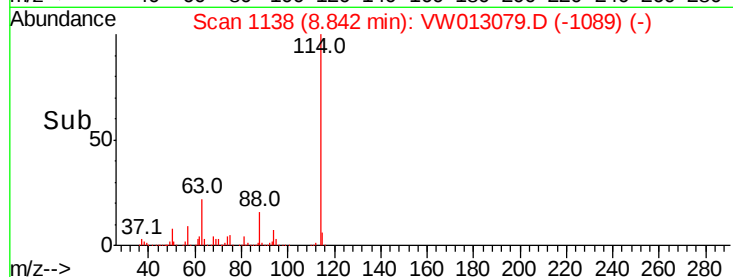
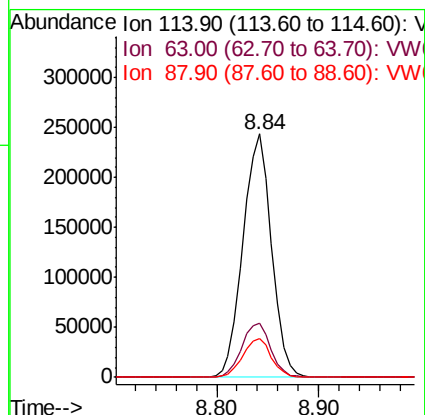
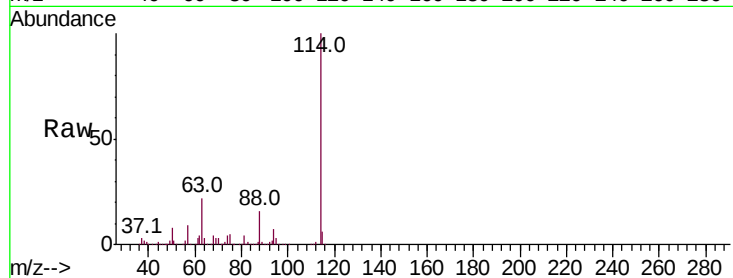




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013079.D
 Acq: 17 Sep 2019 10:18

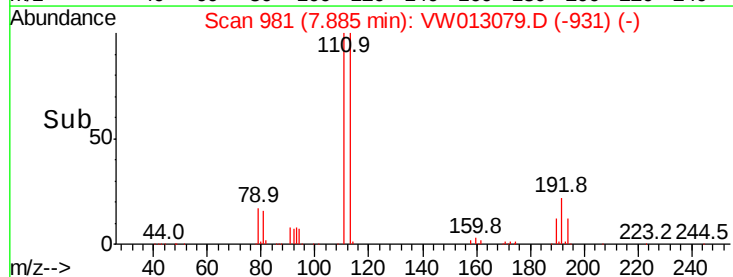
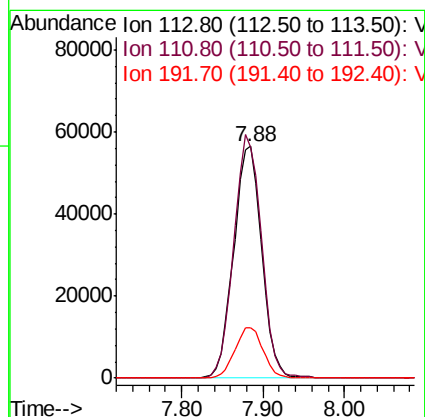
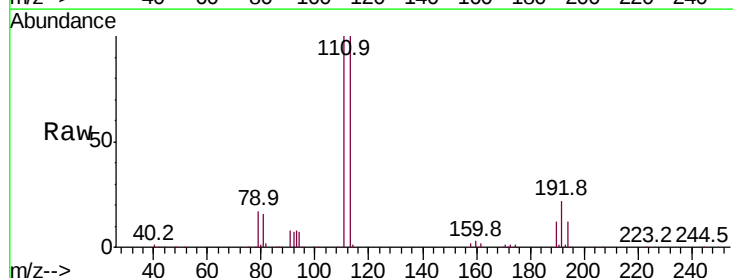
Instrument :
 MSVOA_W
 ClientSampleId :

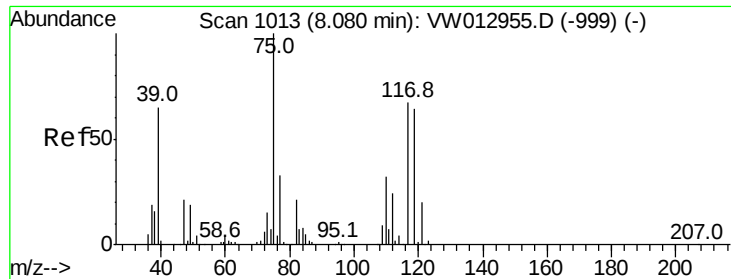
Tot Ion:114 Resp: 473822
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.4
 88 15.8 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 52.136 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013079.D
 Acq: 17 Sep 2019 10:18

Tgt Ion:113 Resp: 134042
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.8 124.2
 192 21.7 17.8 26.8

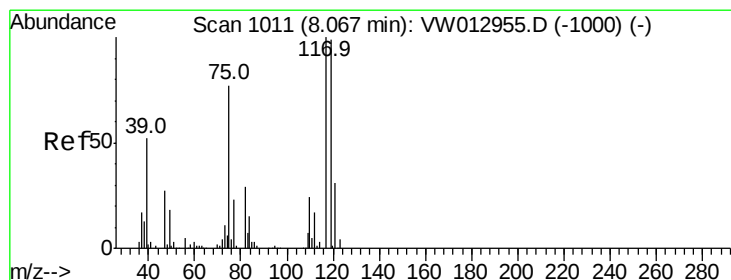
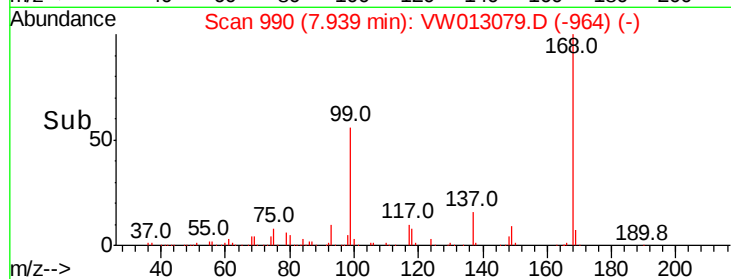
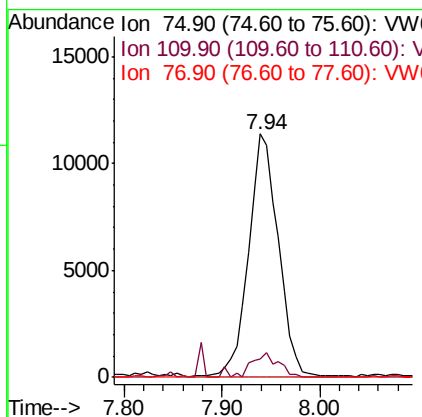
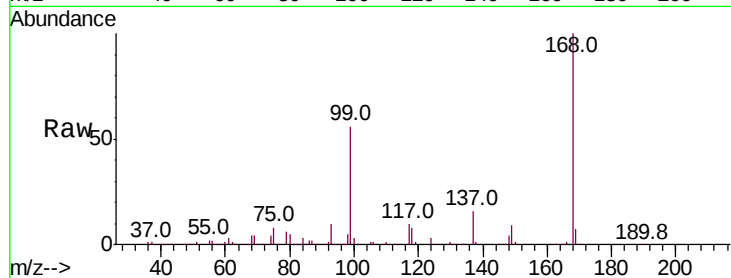




#36
 1,1-Dichloropropene
 Concen: 6.409 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013079.D
 Acq: 17 Sep 2019 10:18

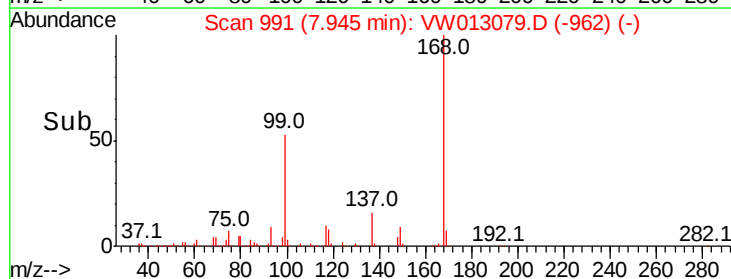
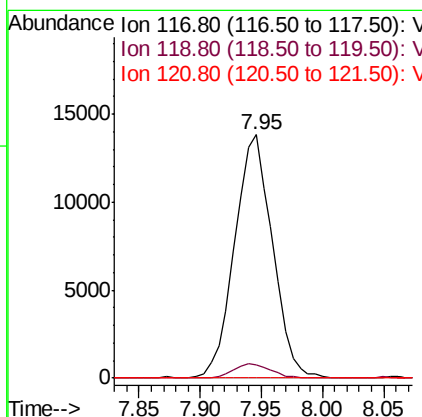
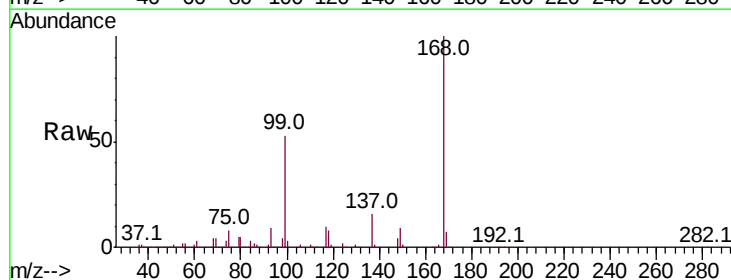
Instrument :
 MSVOA_W
 ClientSampleId :

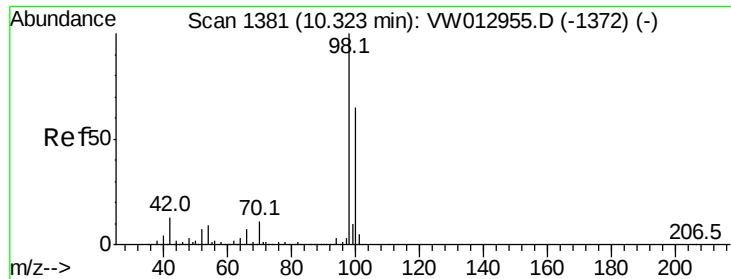
Tot Ion: 75 Resp: 24266
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.640 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013079.D
 Acq: 17 Sep 2019 10:18

Tgt Ion: 117 Resp: 29645
 Ion Ratio Lower Upper
 117 100
 119 5.5 79.4 119.0#
 121 0.0 24.6 36.8#

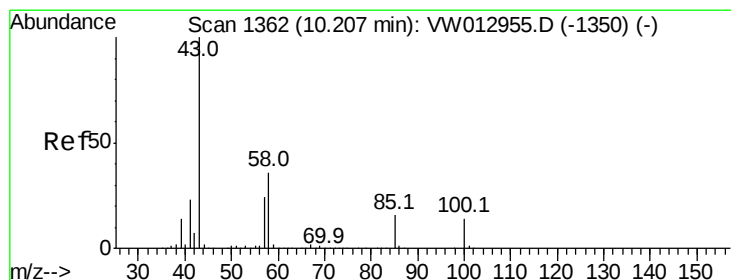
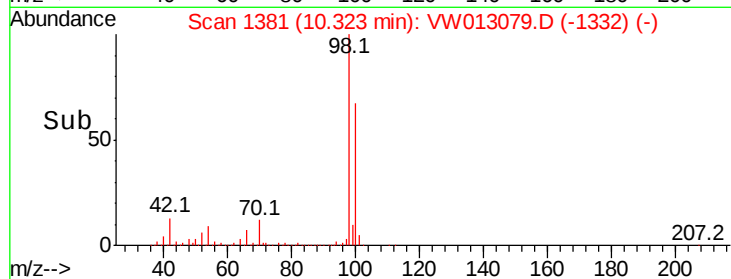
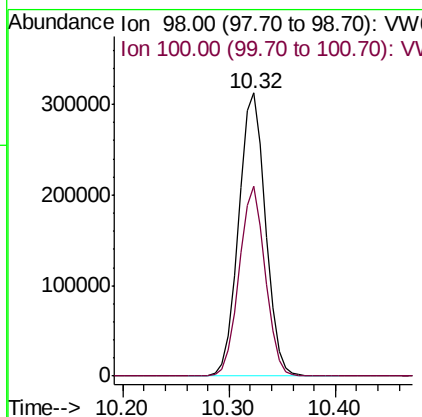
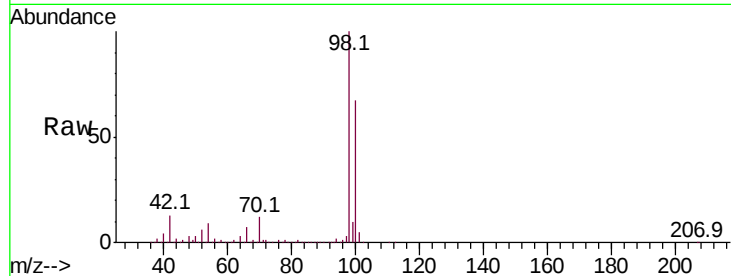




#50
Toluene-d8
Concen: 54.991 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013079.D
Acq: 17 Sep 2019 10:18

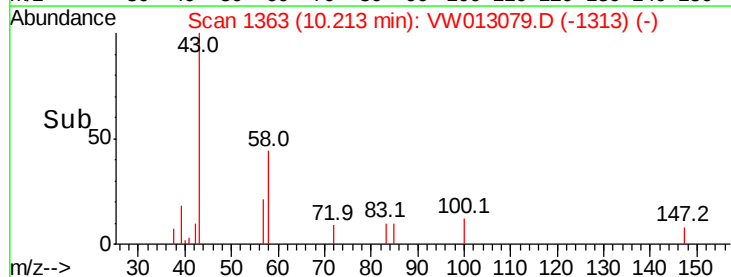
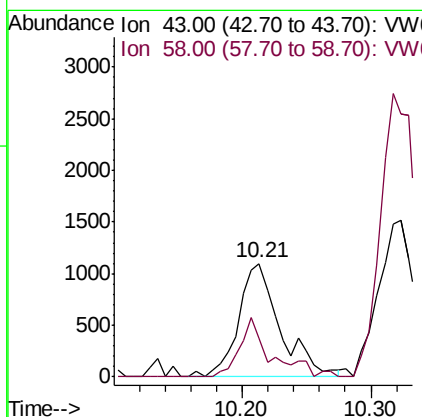
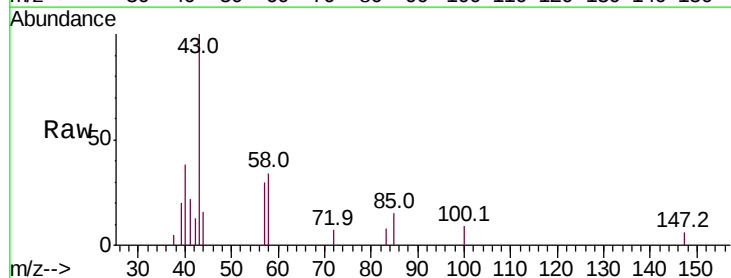
Instrument :
MSVOA_W
ClientSampled :

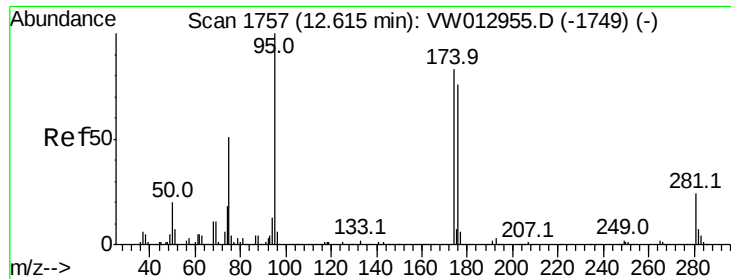
Tot Ion: 98 Resp: 553250
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.239 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW013079.D
Acq: 17 Sep 2019 10:18

Tgt Ion: 43 Resp: 2469
Ion Ratio Lower Upper
43 100
58 39.2 29.5 44.3

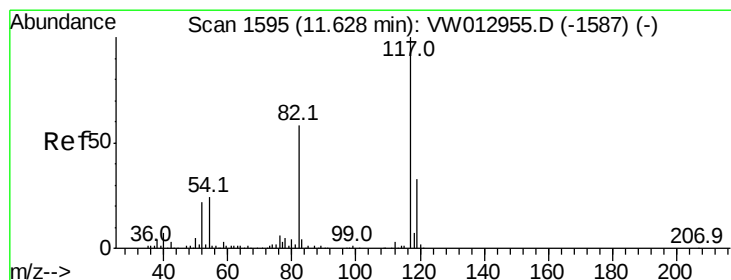
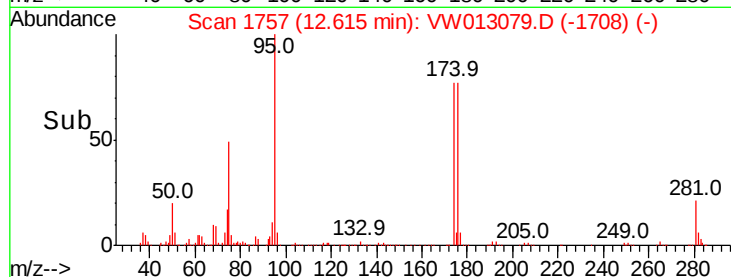
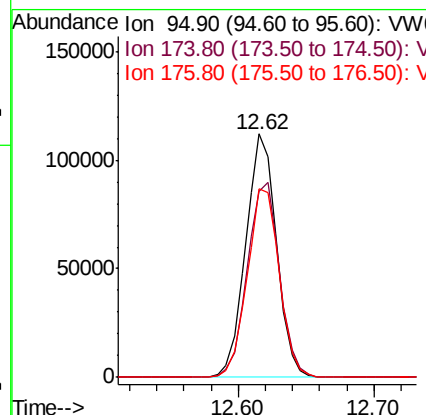
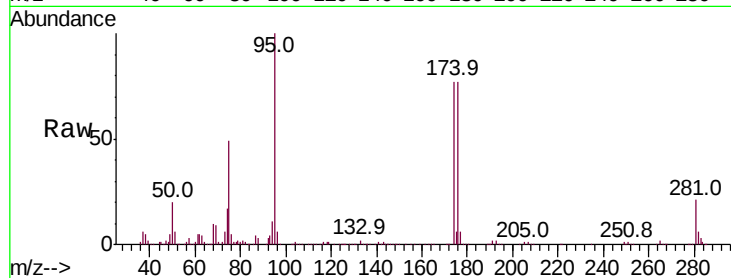




#62
4-Bromofluorobenzene
Concen: 49.000 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013079.D
Acq: 17 Sep 2019 10:18

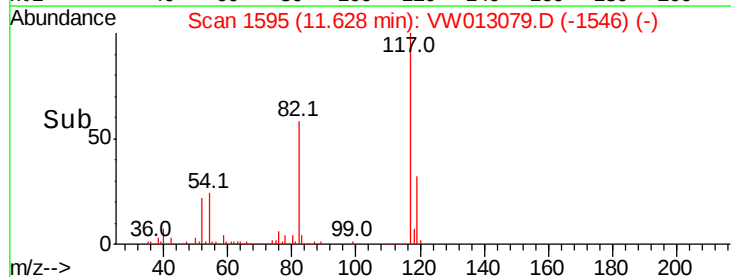
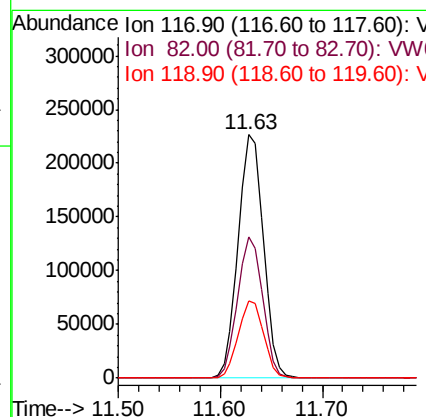
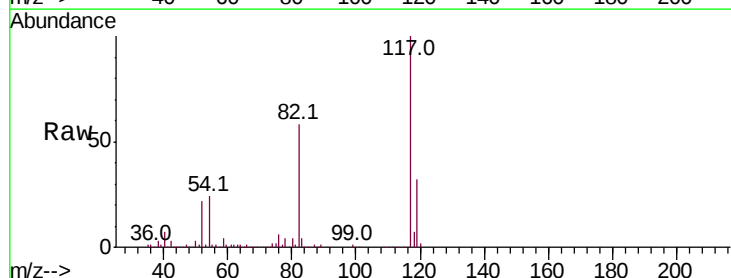
Instrument :
MSVOA_W
ClientSampled :

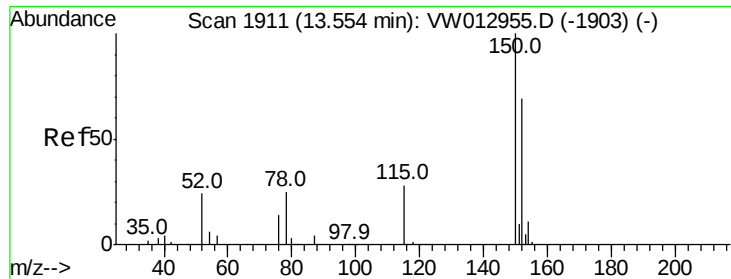
Tot Ion: 95 Resp: 177262
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.4
176 80.9 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013079.D
Acq: 17 Sep 2019 10:18

Tgt Ion: 117 Resp: 387467
Ion Ratio Lower Upper
117 100
82 58.0 46.3 69.5
119 31.7 26.2 39.4



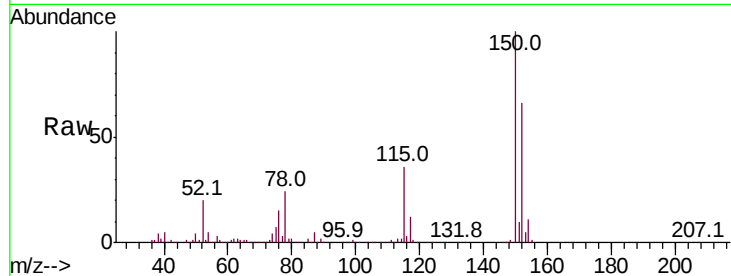


#72

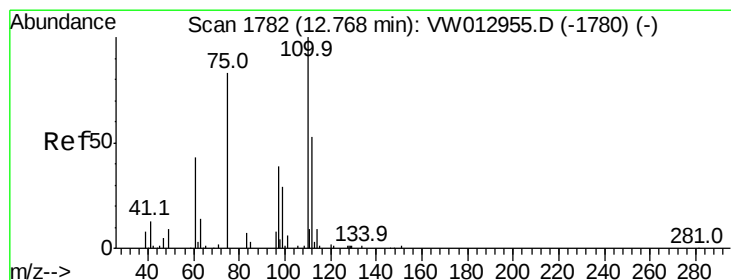
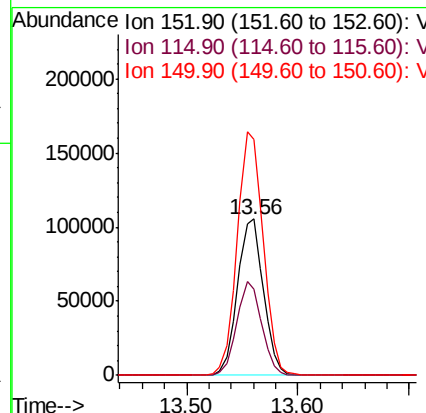
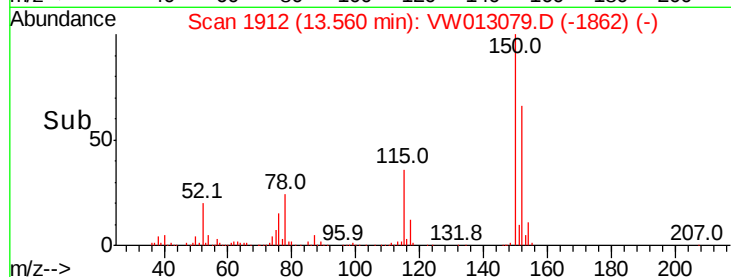
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013079.D
Acq: 17 Sep 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 169784
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.4
150 156.3 0.0 340.2



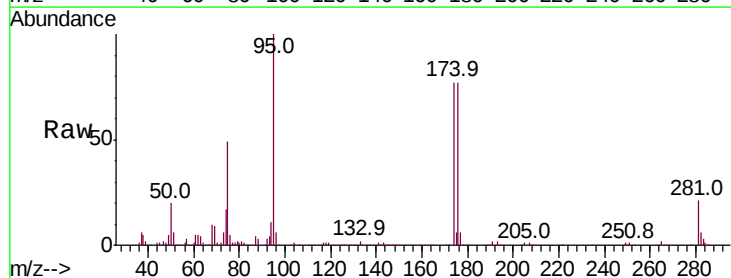
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



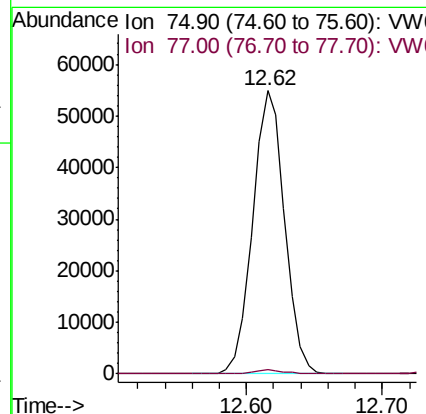
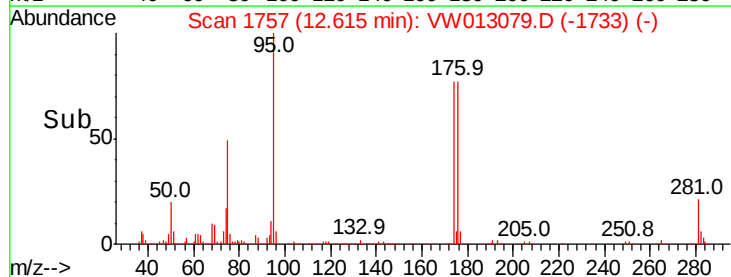
#76

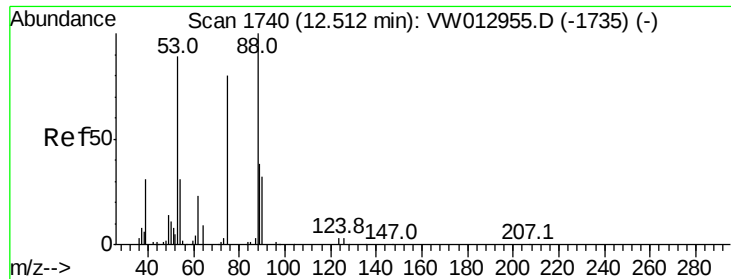
1,2,3-Trichloropropane
Concen: 60.660 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013079.D
Acq: 17 Sep 2019 10:18

Tgt Ion: 75 Resp: 90212
Ion Ratio Lower Upper
75 100
77 1.4 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: 137.606 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013079.D

Acq: 17 Sep 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

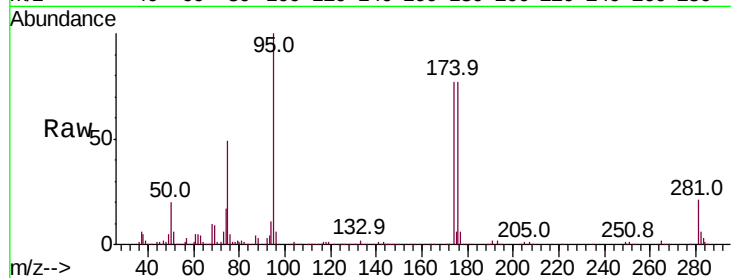
Tot Ion: 75 Resp: 90212

Ion Ratio Lower Upper

75 100

53 0.2 85.6 128.4#

89 0.4 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

