

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013014.D
 Acq On : 15 Sep 2019 01:51
 Operator : SY/VA
 Sample : K4764-01
 Misc : 3.11G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:57:26 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

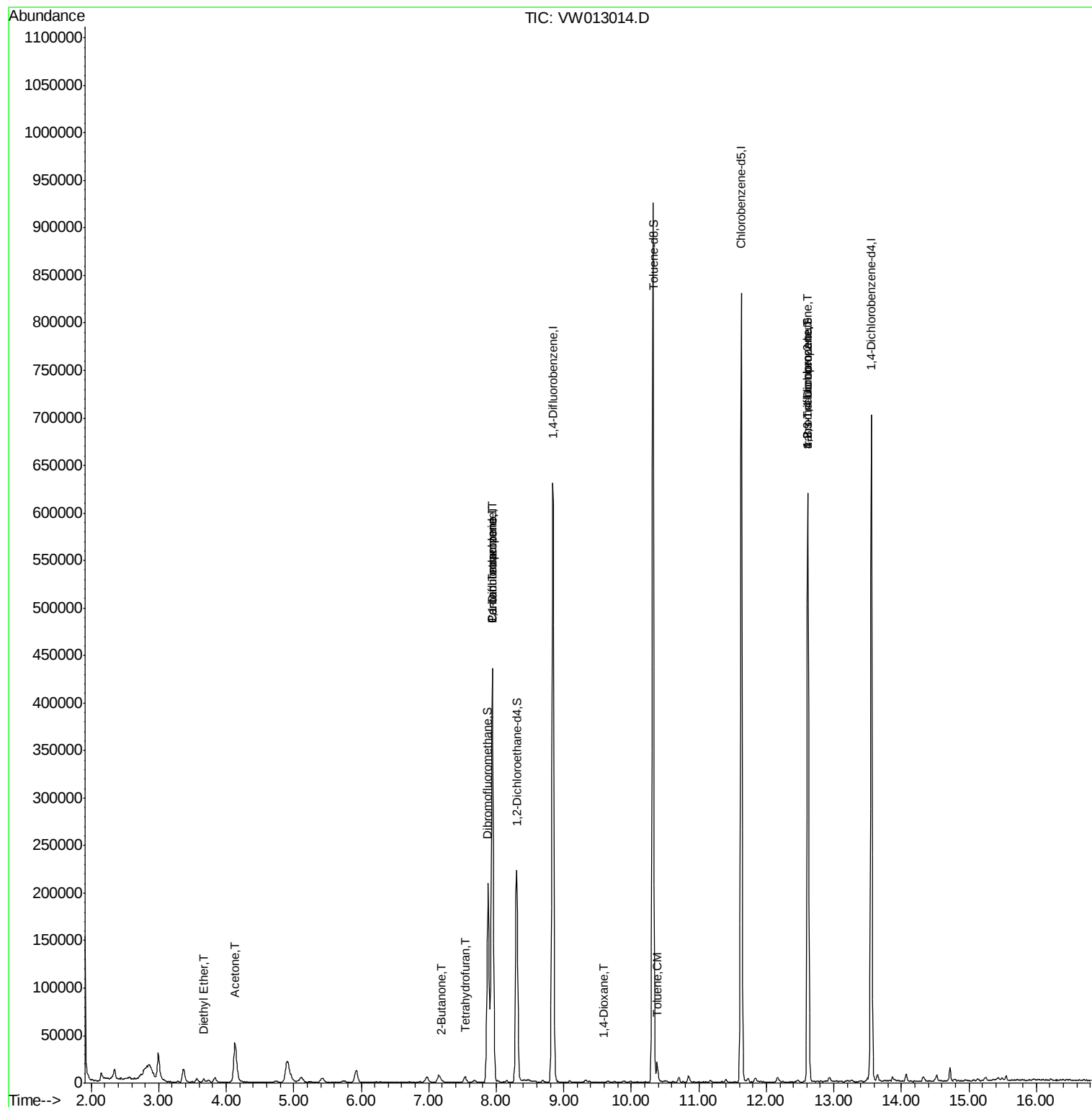
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	338669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	519884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	449164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	185569	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	188562	60.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.56%	
35) Dibromofluoromethane	7.88	113	145678	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.28%	
50) Toluene-d8	10.32	98	610297	55.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.58%	
62) 4-Bromofluorobenzene	12.62	95	201808	50.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	63	Below Cal	#	44
3) Chloromethane	2.20	50	562	Below Cal	#	83
8) Diethyl Ether	3.68	74	1702	1.286	ug/l	72
11) Tert butyl alcohol	5.20	59	517	Below Cal	#	72
13) Acrolein	3.88	56	83	Below Cal	#	15
16) Acetone	4.13	43	88335	119.986	ug/l	99
25) 2-Butanone	7.19	43	2208	2.220	ug/l #	88
26) 2,2-Dichloropropane	7.15	77	367	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	4764	8.407	ug/l	97
31) Cyclohexane	7.95	56	8278	Below Cal	#	20
36) 1,1-Dichloropropene	7.94	75	25512	6.141	ug/l #	51
38) Carbon Tetrachloride	7.95	117	31571	7.416	ug/l #	14
49) 1,4-Dioxane	9.60	88	42	1.698	ug/l #	20
52) Toluene	10.39	92	8100	1.099	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	105545	64.933	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	105545	147.300	ug/l #	7

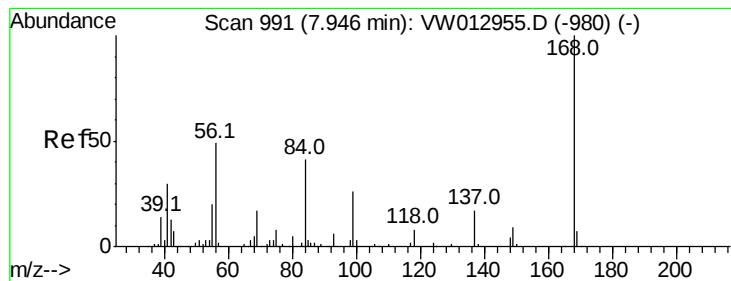
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013014.D

Acq: 15 Sep 2019 01:51

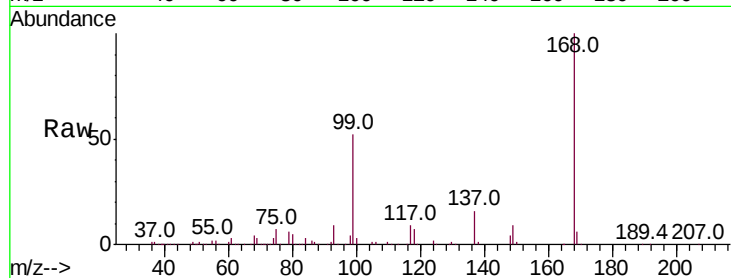
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 338669

Ion Ratio Lower Upper

168 100

99 52.1 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

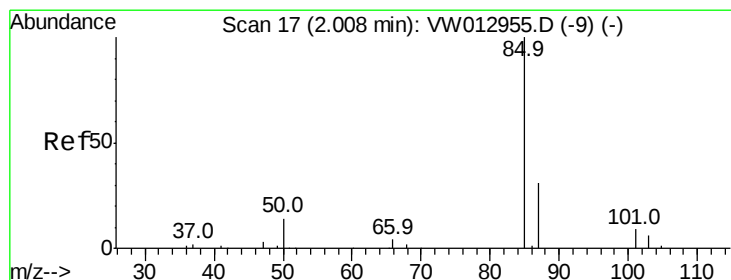
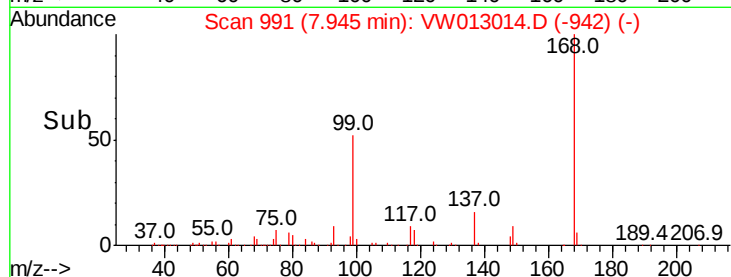
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013014.D

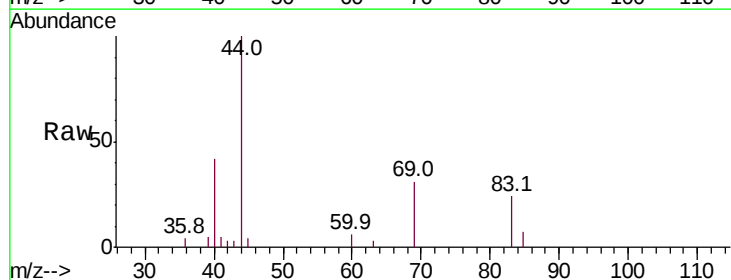
Acq: 15 Sep 2019 01:51

Tgt Ion: 85 Resp: 63

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

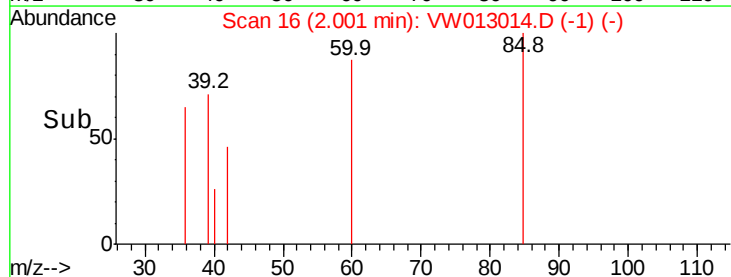
2.00

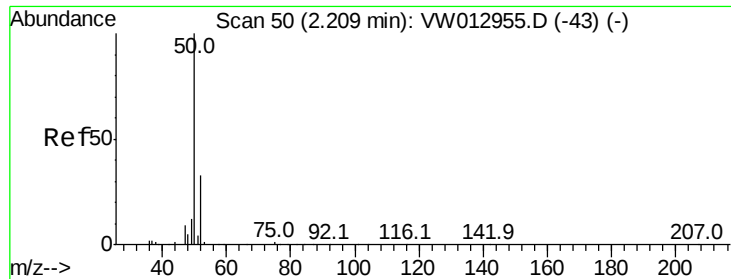
100

50

0

Time--> 1.98 2.00 2.02





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VW013014.D

Acq: 15 Sep 2019 01:51

Instrument :

MSVOA_W

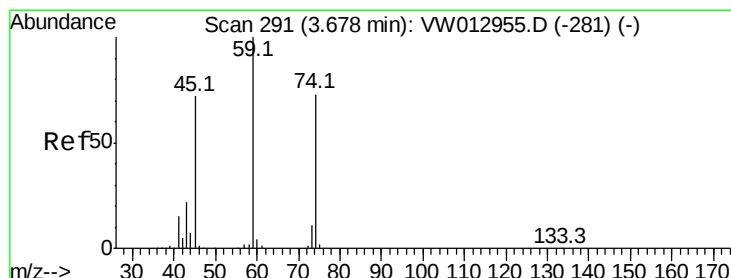
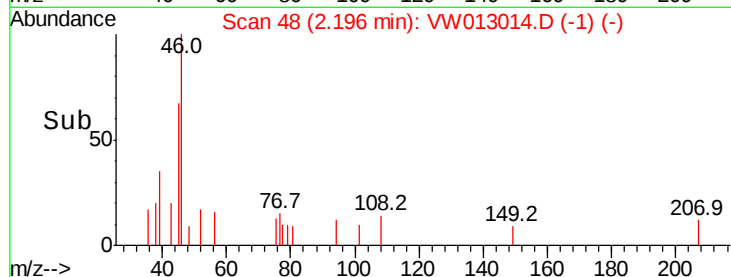
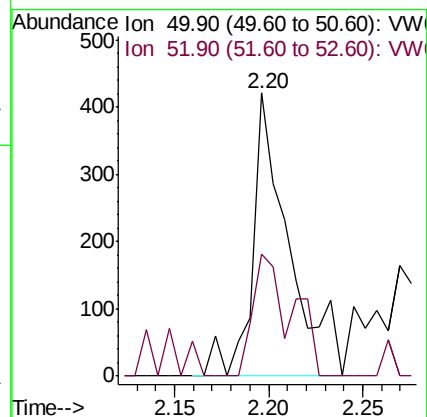
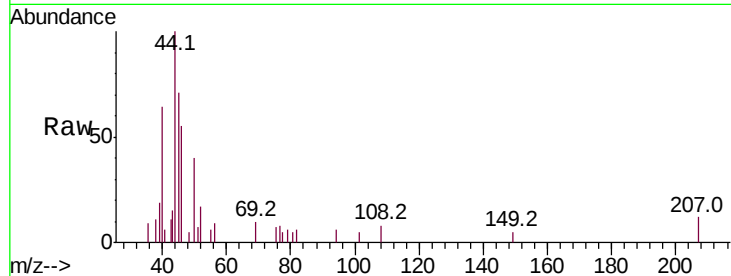
ClientSampled :

Tot Ion: 50 Resp: 562

Ion Ratio Lower Upper

50 100

52 43.0 26.6 39.8#



#8

Diethyl Ether

Concen: 1.286 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW013014.D

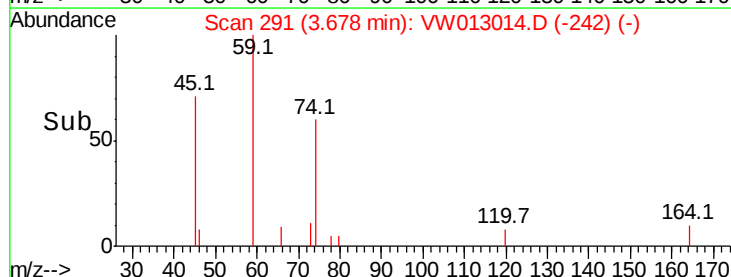
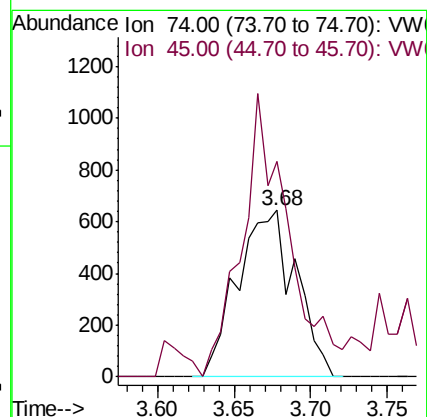
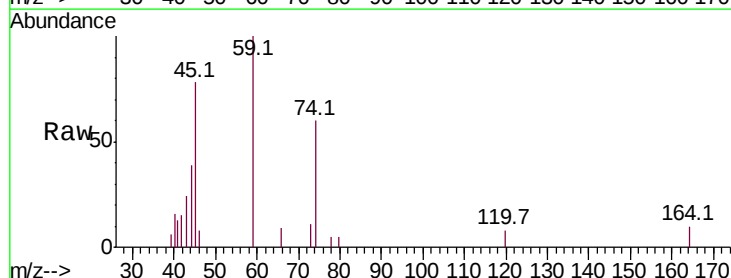
Acq: 15 Sep 2019 01:51

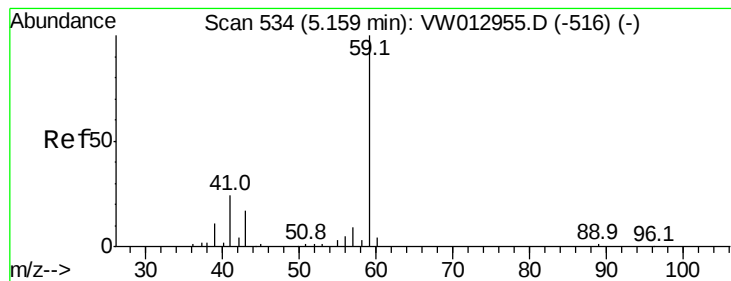
Tgt Ion: 74 Resp: 1702

Ion Ratio Lower Upper

74 100

45 136.9 53.8 161.4



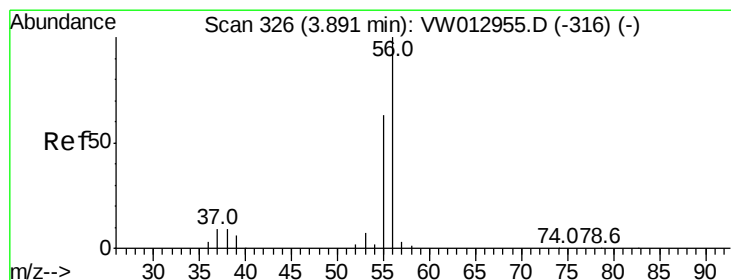
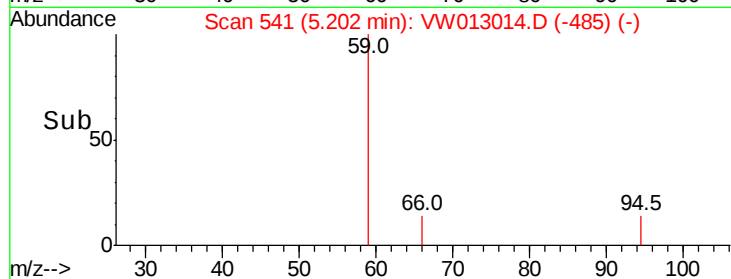
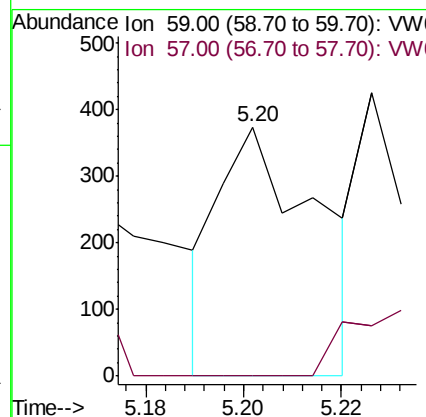
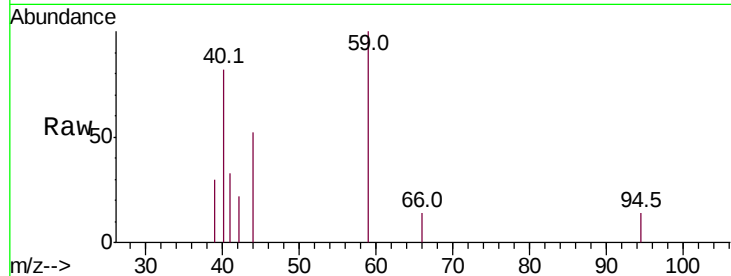


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 541
 Delta R.T. 0.04 min
 Lab File: VW013014.D
 Acq: 15 Sep 2019 01:51

Instrument :
 MSVOA_W
 ClientSampled :

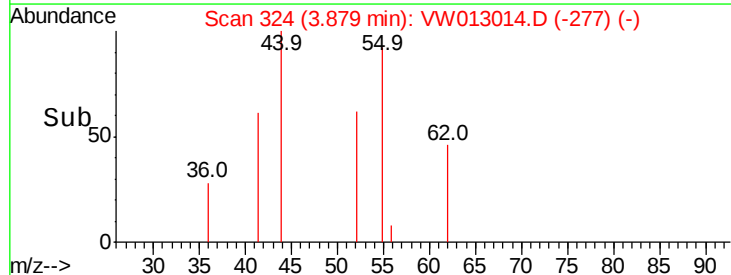
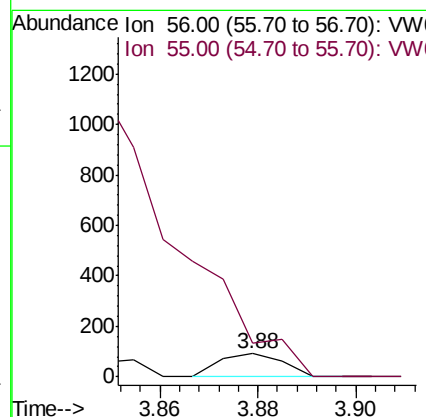
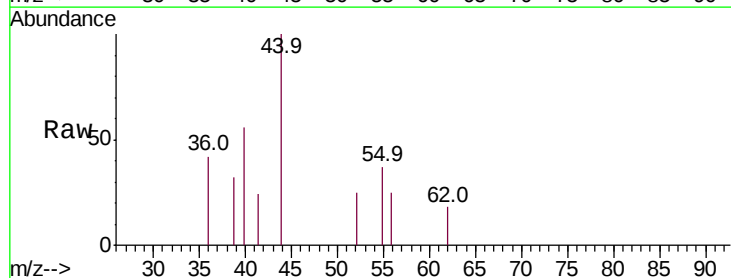
Tot Ion: 59 Resp: 517
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

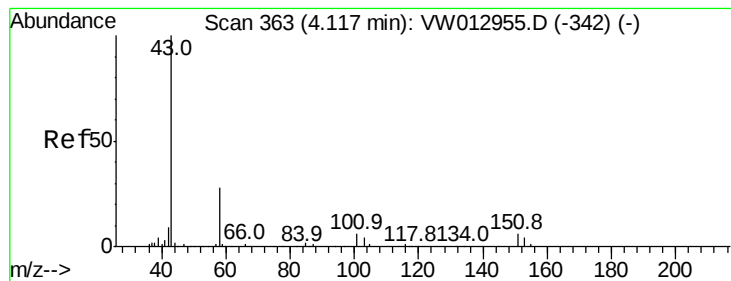


#13

Acrolein
 Concen: Below Cal
 RT: 3.88 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VW013014.D
 Acq: 15 Sep 2019 01:51

Tgt Ion: 56 Resp: 83
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: 119.986 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013014.D

Acq: 15 Sep 2019 01:51

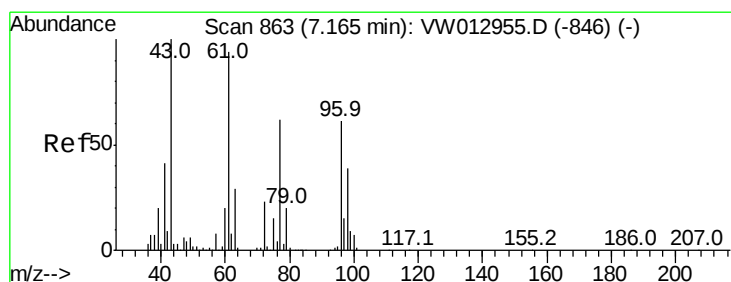
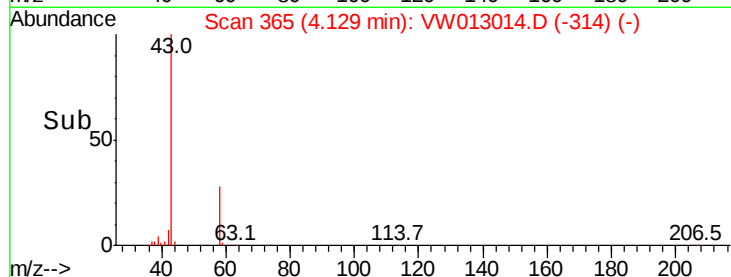
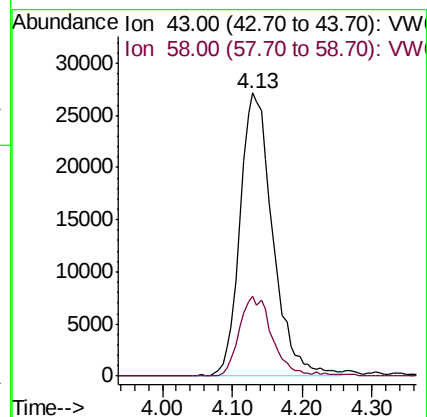
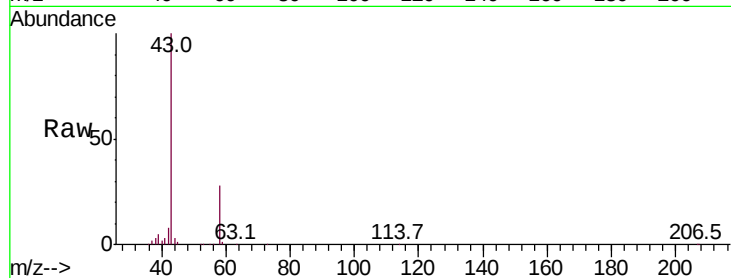
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 88335

Ion Ratio Lower Upper

43 100

58 28.3 22.3 33.5



#25

2-Butanone

Concen: 2.220 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW013014.D

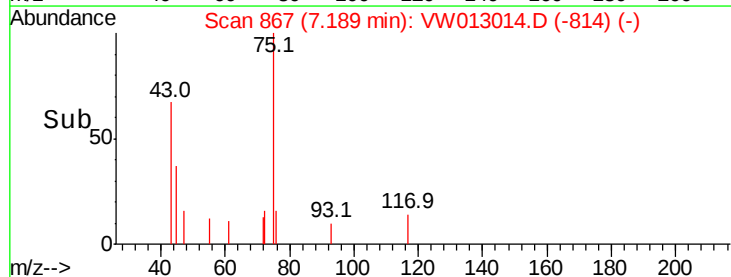
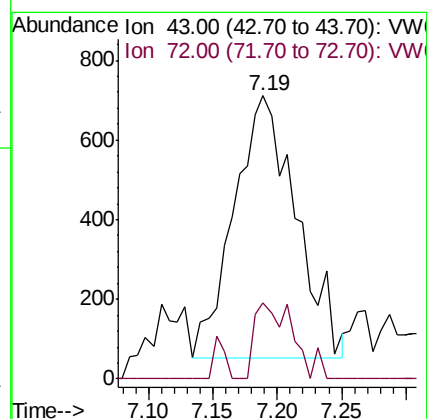
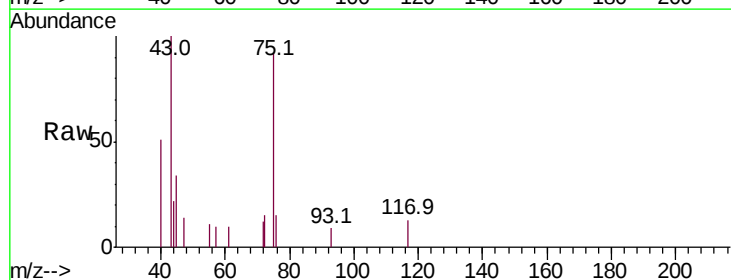
Acq: 15 Sep 2019 01:51

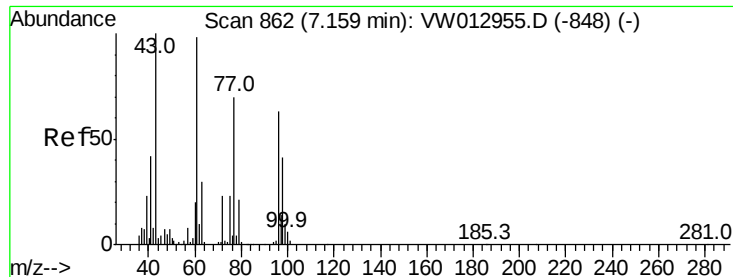
Tgt Ion: 43 Resp: 2208

Ion Ratio Lower Upper

43 100

72 28.8 18.2 27.4#

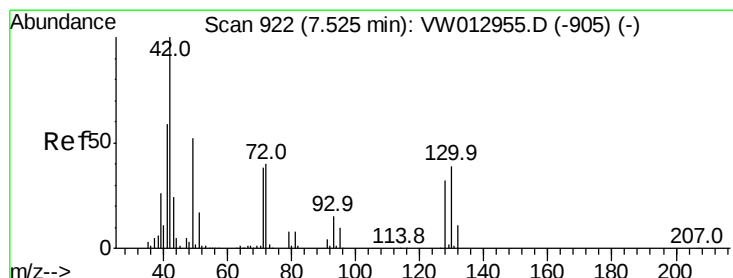
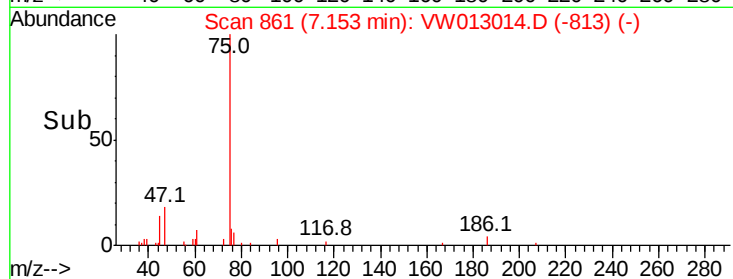
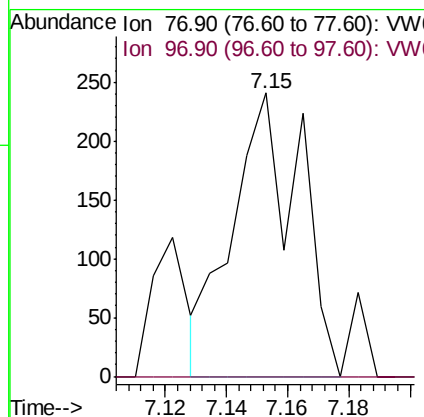
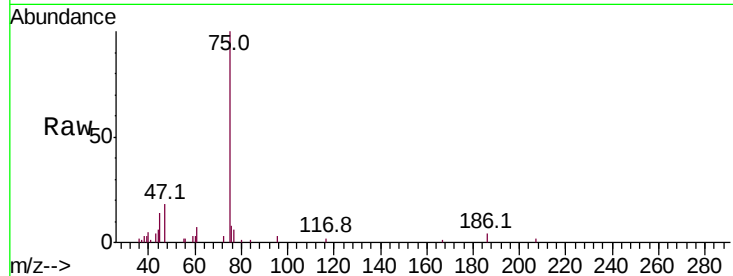




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.15 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VW013014.D
 Acq: 15 Sep 2019 01:51

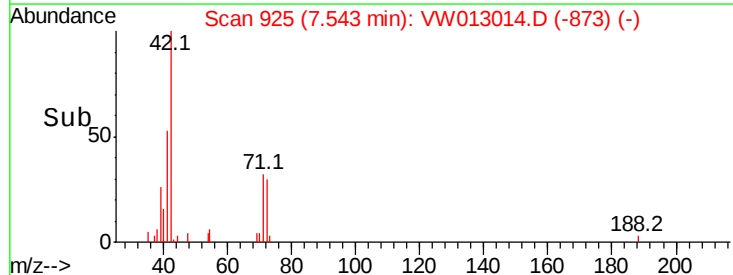
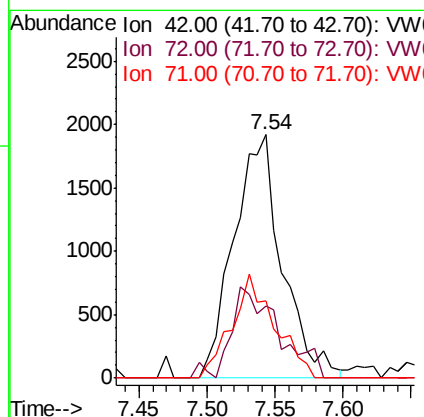
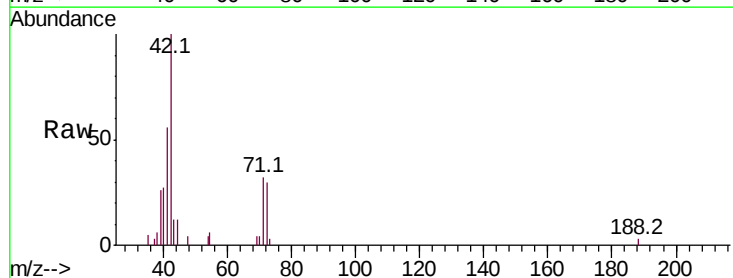
Instrument :
 MSVOA_W
 ClientSampled :

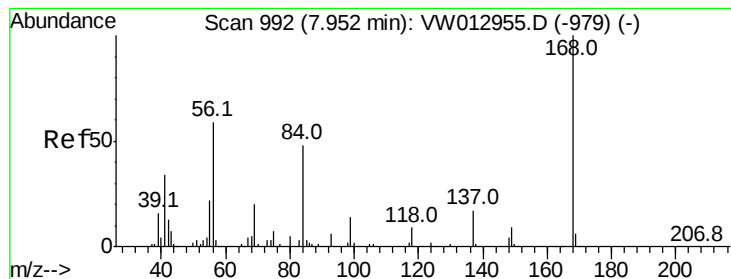
Tot Ion: 77 Resp: 367
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 8.407 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: VW013014.D
 Acq: 15 Sep 2019 01:51

Tgt Ion: 42 Resp: 4764
 Ion Ratio Lower Upper
 42 100
 72 36.0 31.4 47.0
 71 37.8 29.8 44.8





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

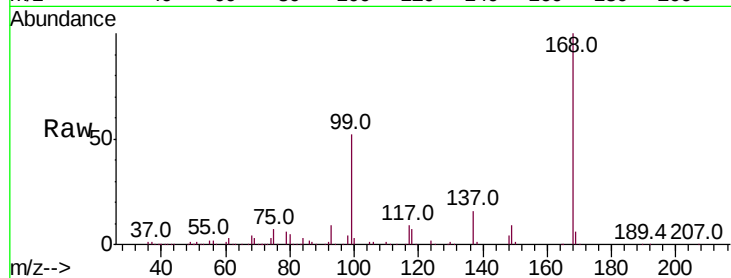
Lab File: VW013014.D

Acq: 15 Sep 2019 01:51

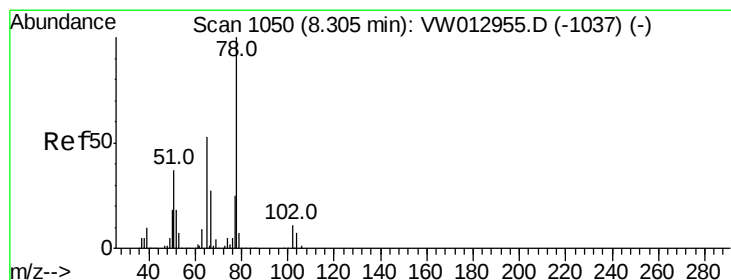
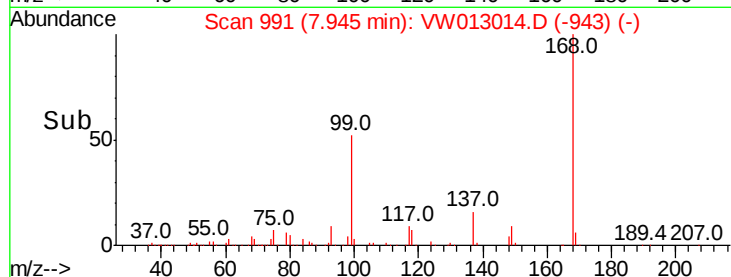
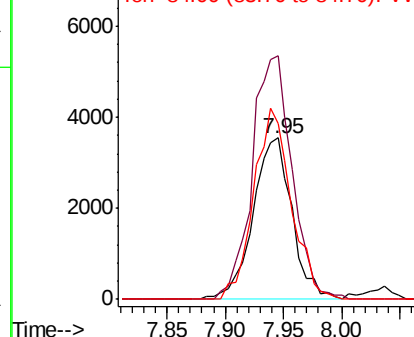
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 8278

Ion	Ratio	Lower	Upper
56	100		
69	150.7	27.0	40.6#
84	108.7	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: 60.285 ug/l

RT: 8.30 min Scan# 1049

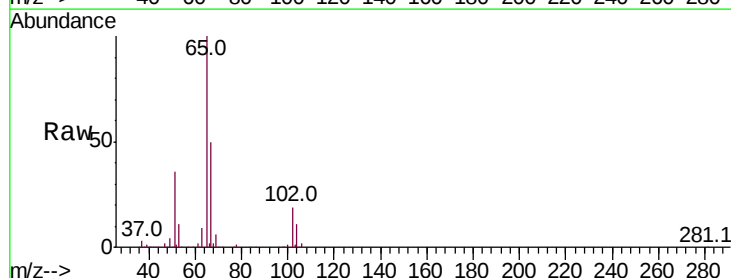
Delta R.T. -0.01 min

Lab File: VW013014.D

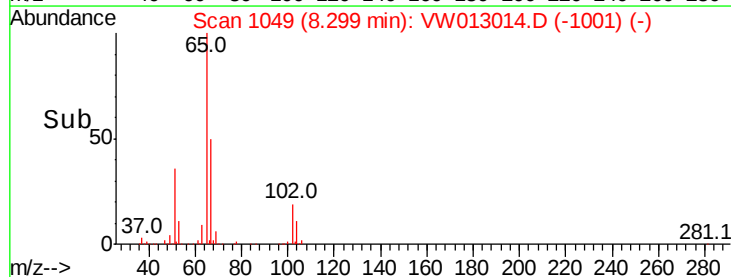
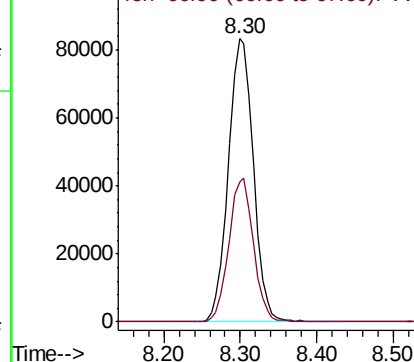
Acq: 15 Sep 2019 01:51

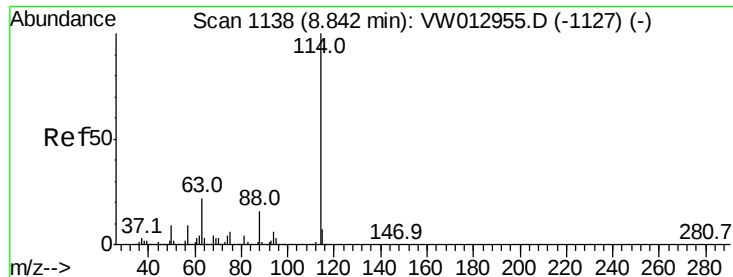
Tgt Ion: 65 Resp: 188562

Ion	Ratio	Lower	Upper
65	100		
67	49.9	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# 1137

Delta R.T. -0.01 min

Lab File: VW013014.D

Acq: 15 Sep 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

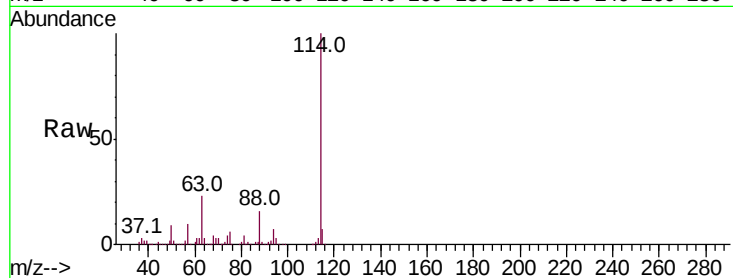
Tot Ion:114 Resp: 519884

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.4

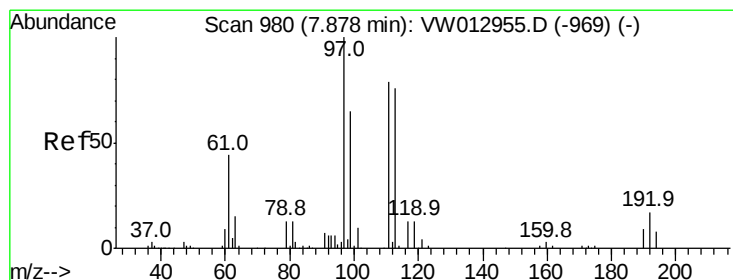
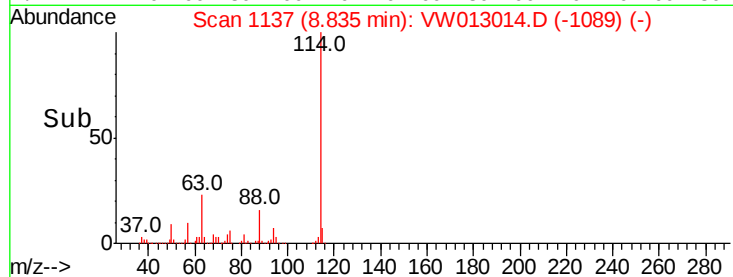
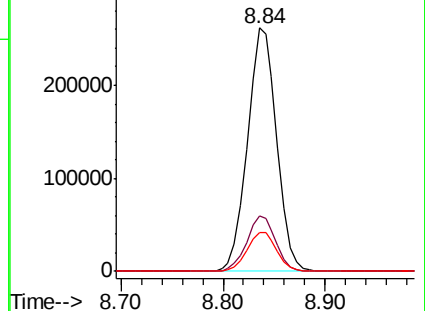
88 16.2 0.0 31.6



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: 51.641 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013014.D

Acq: 15 Sep 2019 01:51

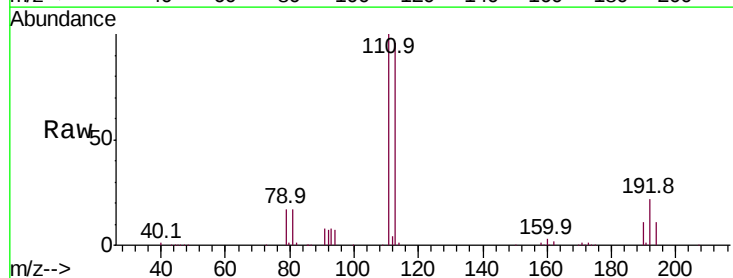
Tgt Ion:113 Resp: 145678

Ion Ratio Lower Upper

113 100

111 103.9 82.8 124.2

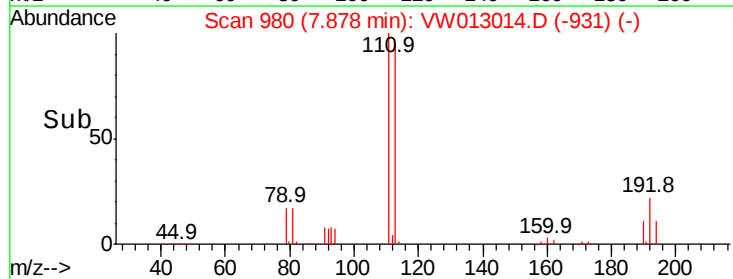
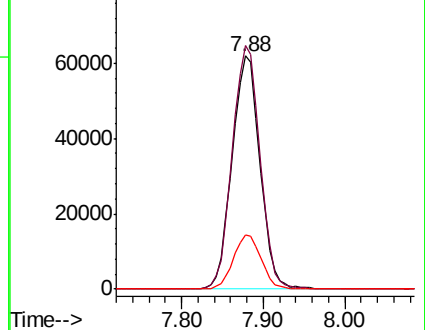
192 23.1 17.8 26.8

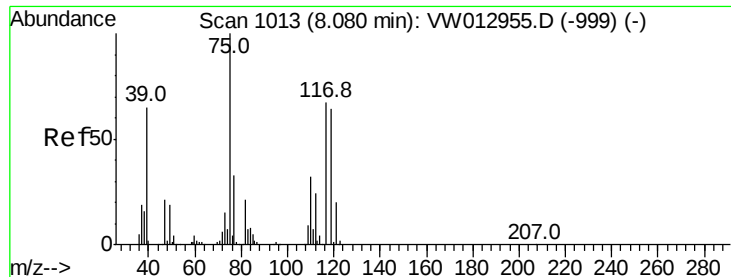


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

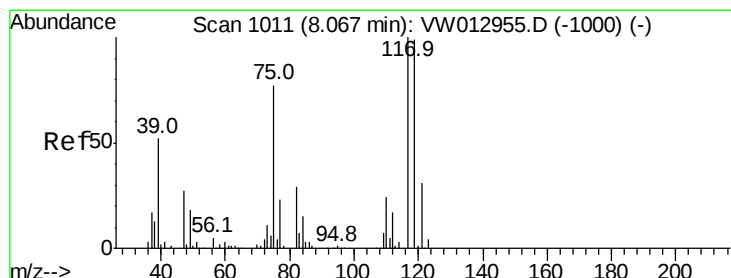
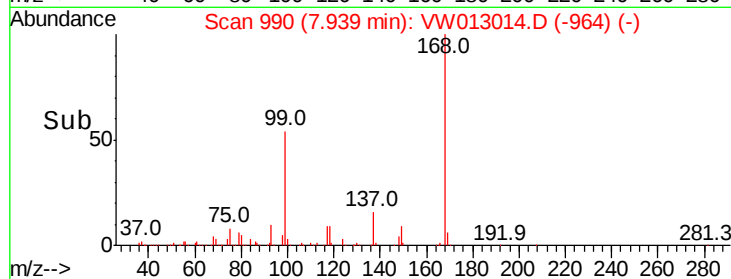
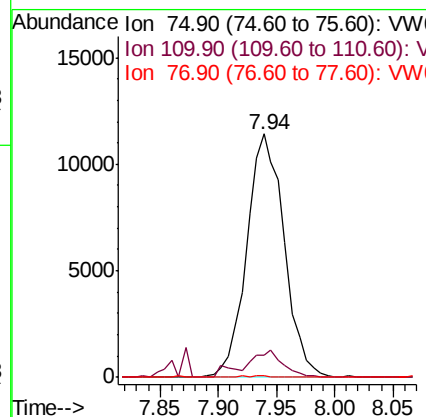
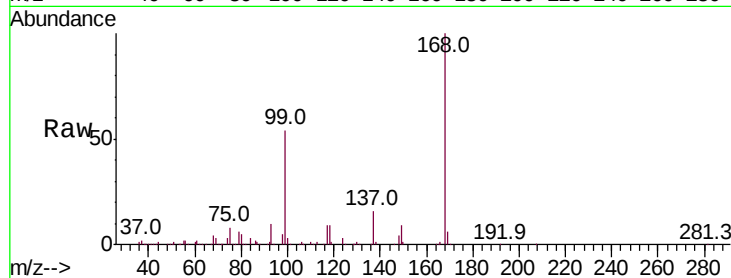




#36
 1,1-Dichloropropene
 Concen: 6.141 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013014.D
 Acq: 15 Sep 2019 01:51

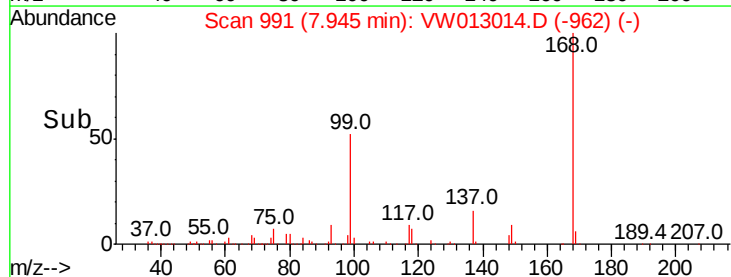
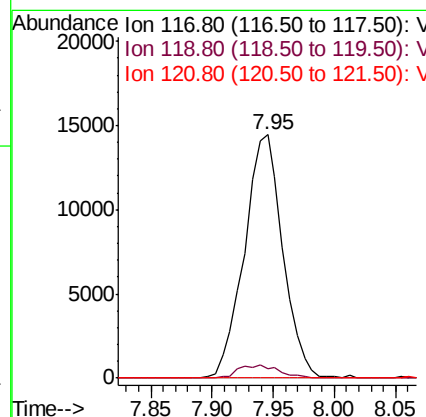
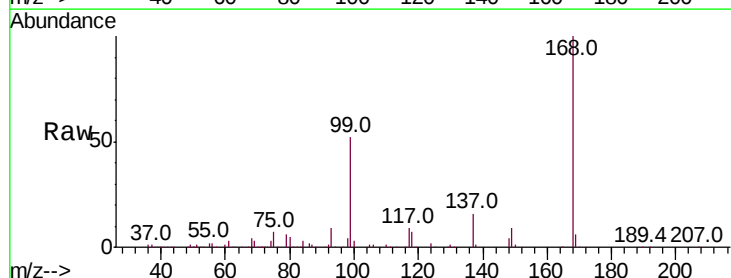
Instrument :
 MSVOA_W
 ClientSampleId :

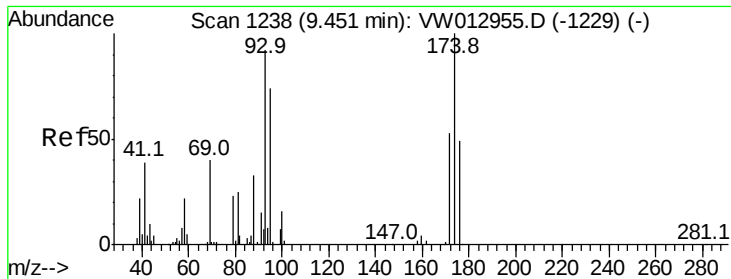
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.4	49.1#
77	0.3	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 7.416 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013014.D
 Acq: 15 Sep 2019 01:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	79.4	119.0#
121	0.0	24.6	36.8#





#49

1,4-Dioxane

Concen: 1.698 ug/l

RT: 9.60 min Scan# 1262

Delta R.T. 0.15 min

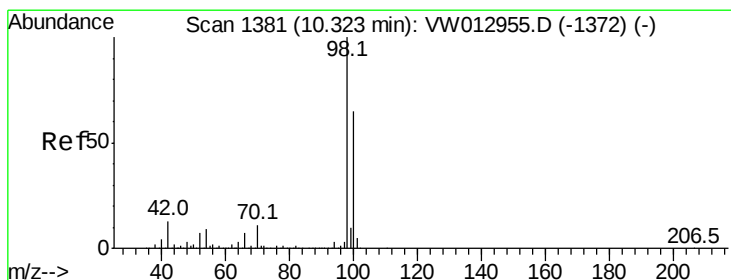
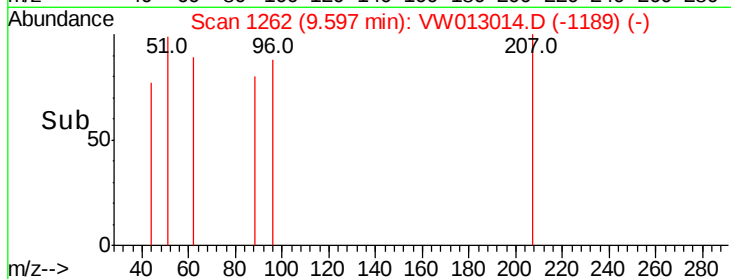
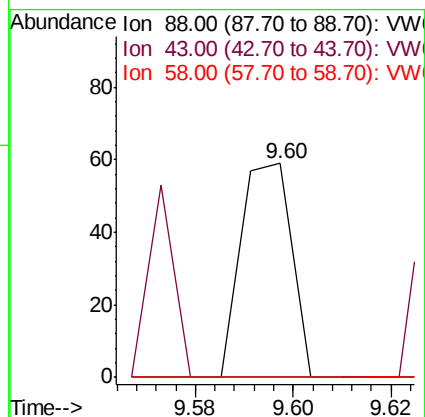
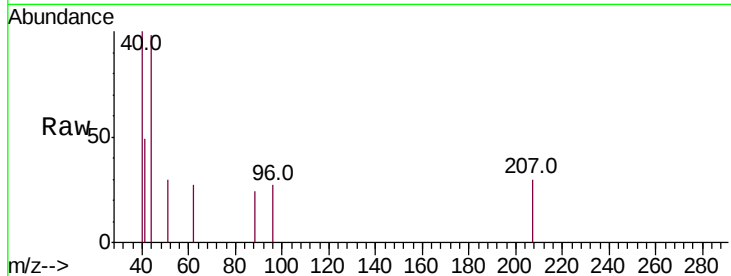
Lab File: VW013014.D

Acq: 15 Sep 2019 01:51

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 42

Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	0.0	60.2	90.2#



#50

Toluene-d8

Concen: 55.287 ug/l

RT: 10.32 min Scan# 1381

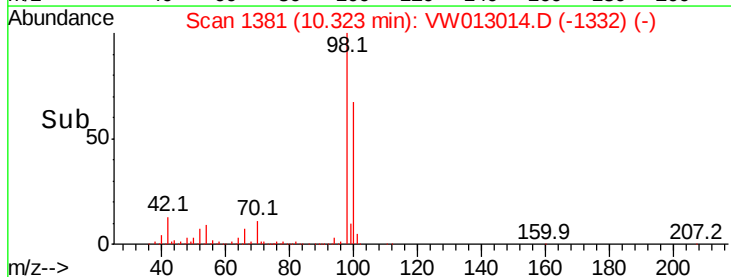
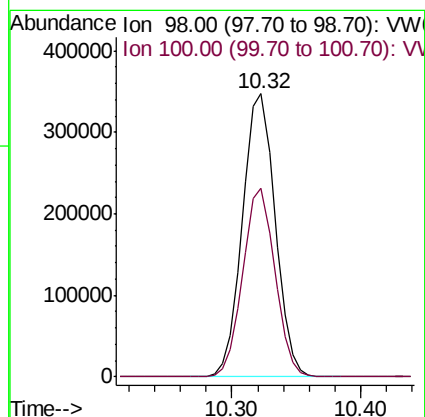
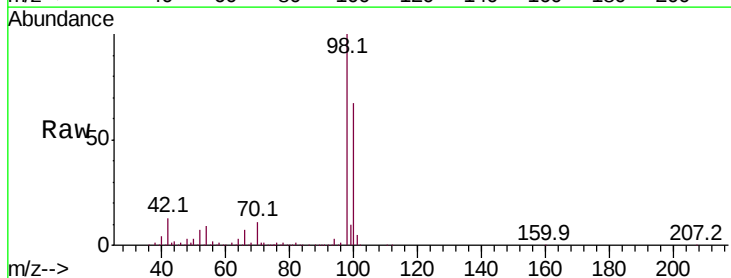
Delta R.T. -0.00 min

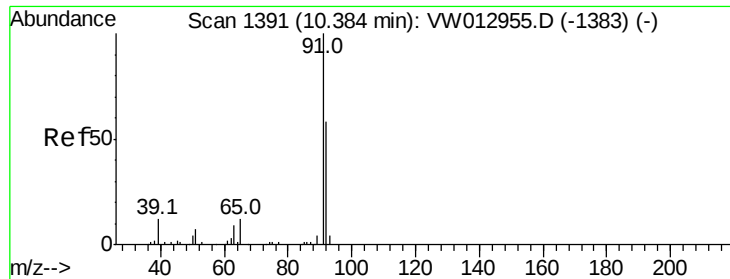
Lab File: VW013014.D

Acq: 15 Sep 2019 01:51

Tgt Ion: 98 Resp: 610297

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1





#52

Toluene

Concen: 1.099 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013014.D

Acq: 15 Sep 2019 01:51

Instrument :

MSVOA_W

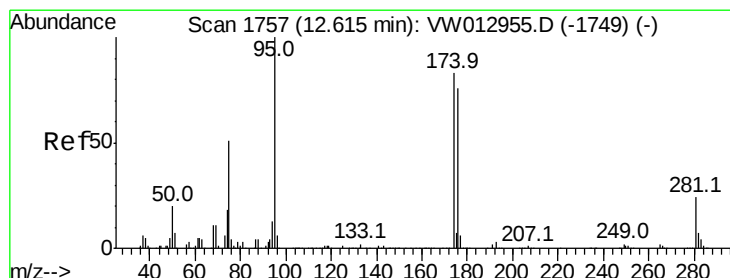
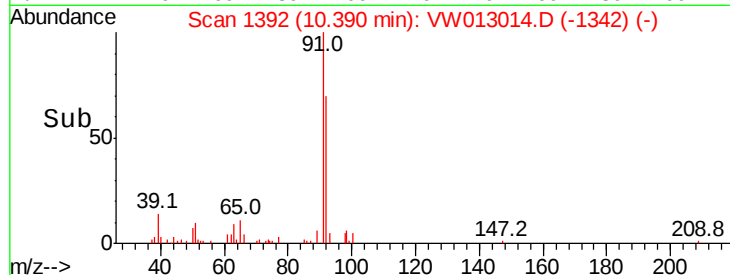
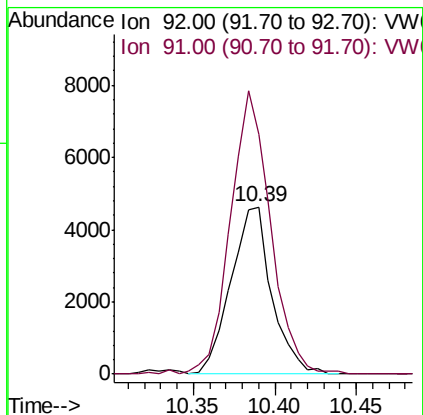
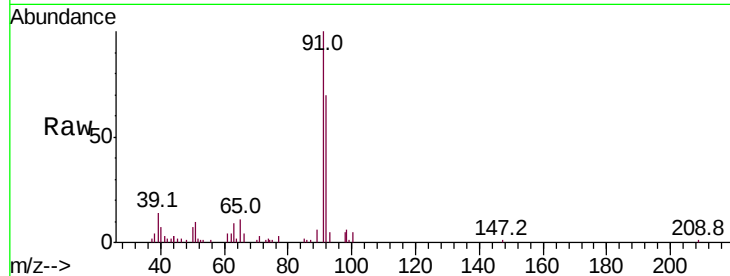
ClientSampleId :

Tot Ion: 92 Resp: 8100

Ion Ratio Lower Upper

92 100

91 165.9 137.5 206.3



#62

4-Bromofluorobenzene

Concen: 50.842 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013014.D

Acq: 15 Sep 2019 01:51

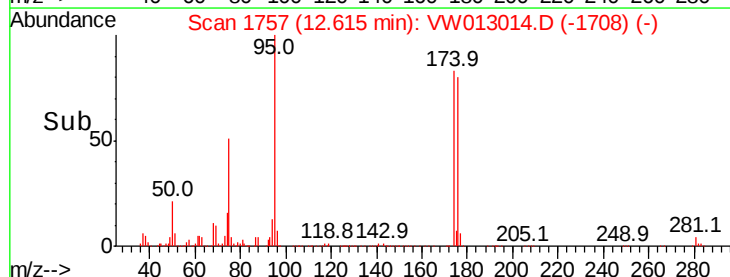
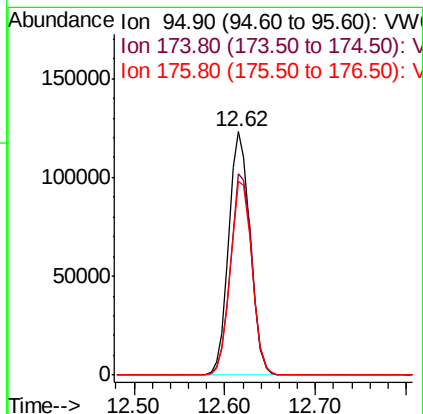
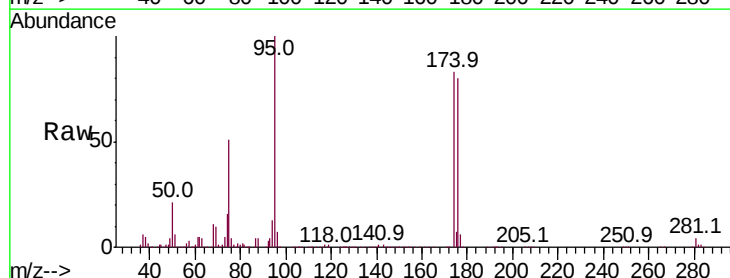
Tgt Ion: 95 Resp: 201808

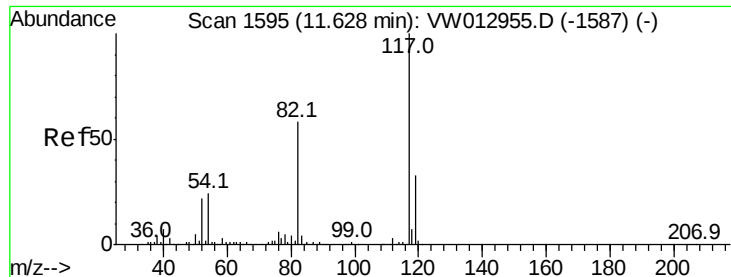
Ion Ratio Lower Upper

95 100

174 83.5 0.0 170.4

176 80.6 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: VW013014.D

Acq: 15 Sep 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

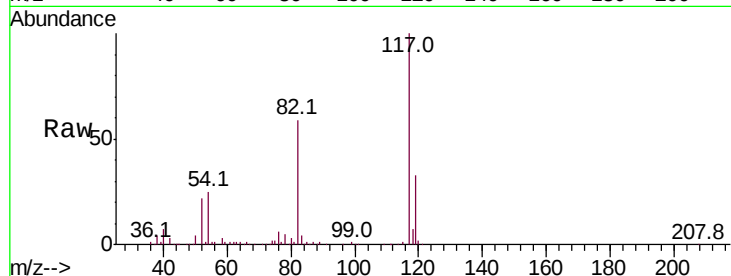
Tot Ion:117 Resp: 449164

Ion Ratio Lower Upper

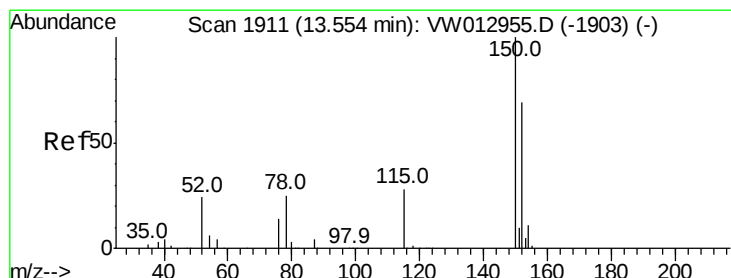
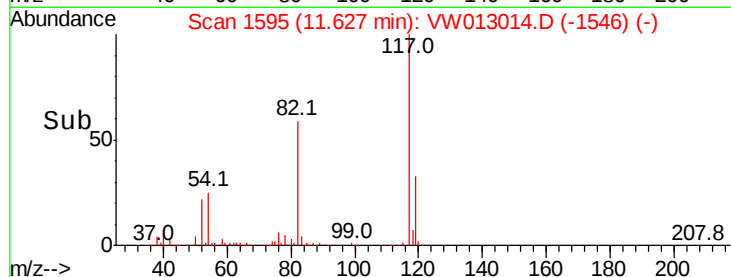
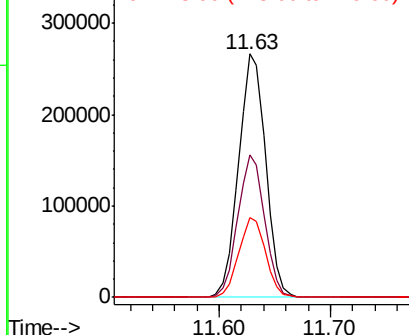
117 100

82 58.5 46.3 69.5

119 32.9 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013014.D

Acq: 15 Sep 2019 01:51

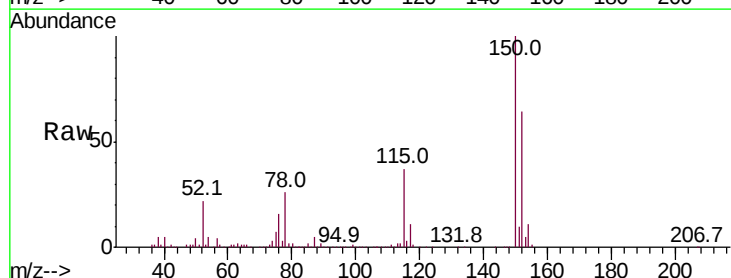
Tgt Ion:152 Resp: 185569

Ion Ratio Lower Upper

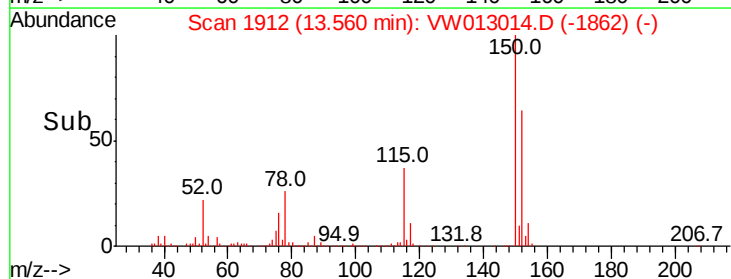
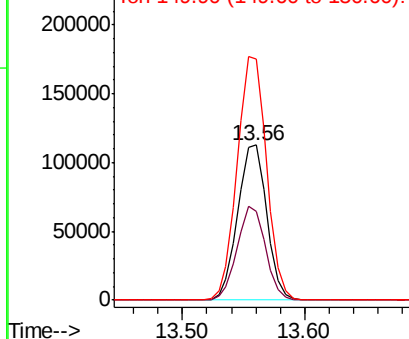
152 100

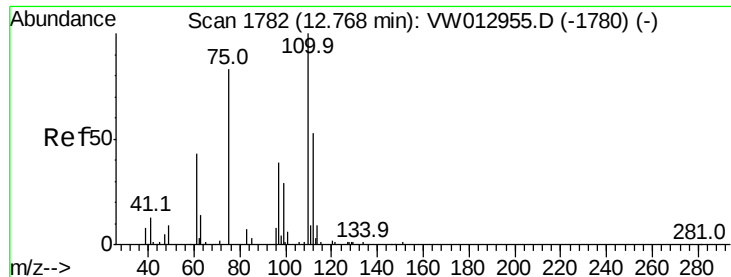
115 58.8 28.8 86.4

150 158.5 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: 64.933 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013014.D

Acq: 15 Sep 2019 01:51

Instrument :

MSVOA_W

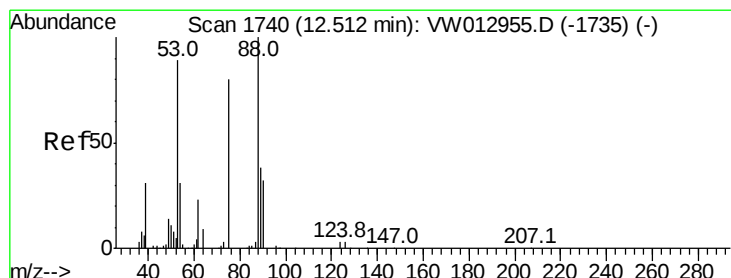
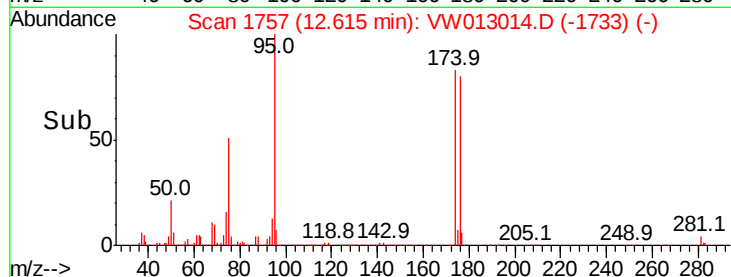
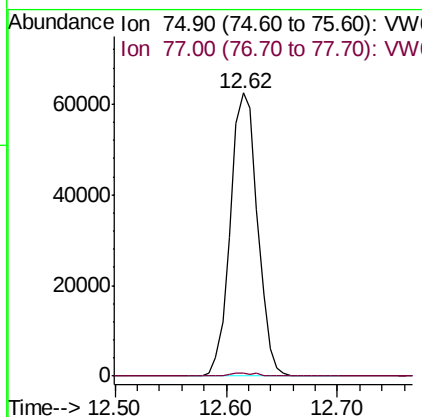
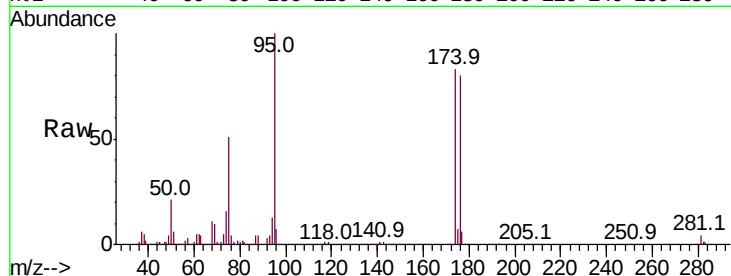
ClientSampleId :

Tot Ion: 75 Resp: 105545

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.300 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013014.D

Acq: 15 Sep 2019 01:51

Tgt Ion: 75 Resp: 105545

Ion Ratio Lower Upper

75 100

53 0.2 85.6 128.4#

89 0.0 37.2 55.8#

