

Data File : VW010555.D
Acq On : 24 May 2019 17:22
Operator : SY/VA
Sample : K3051-04
Misc : 5.50G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SP-1-B

Quant Time: May 25 01:14:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	122865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	224607	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	192880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	75649	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	70864	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	
35) Dibromofluoromethane	7.88	113	67742	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.32	98	270372	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.62	95	95907	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

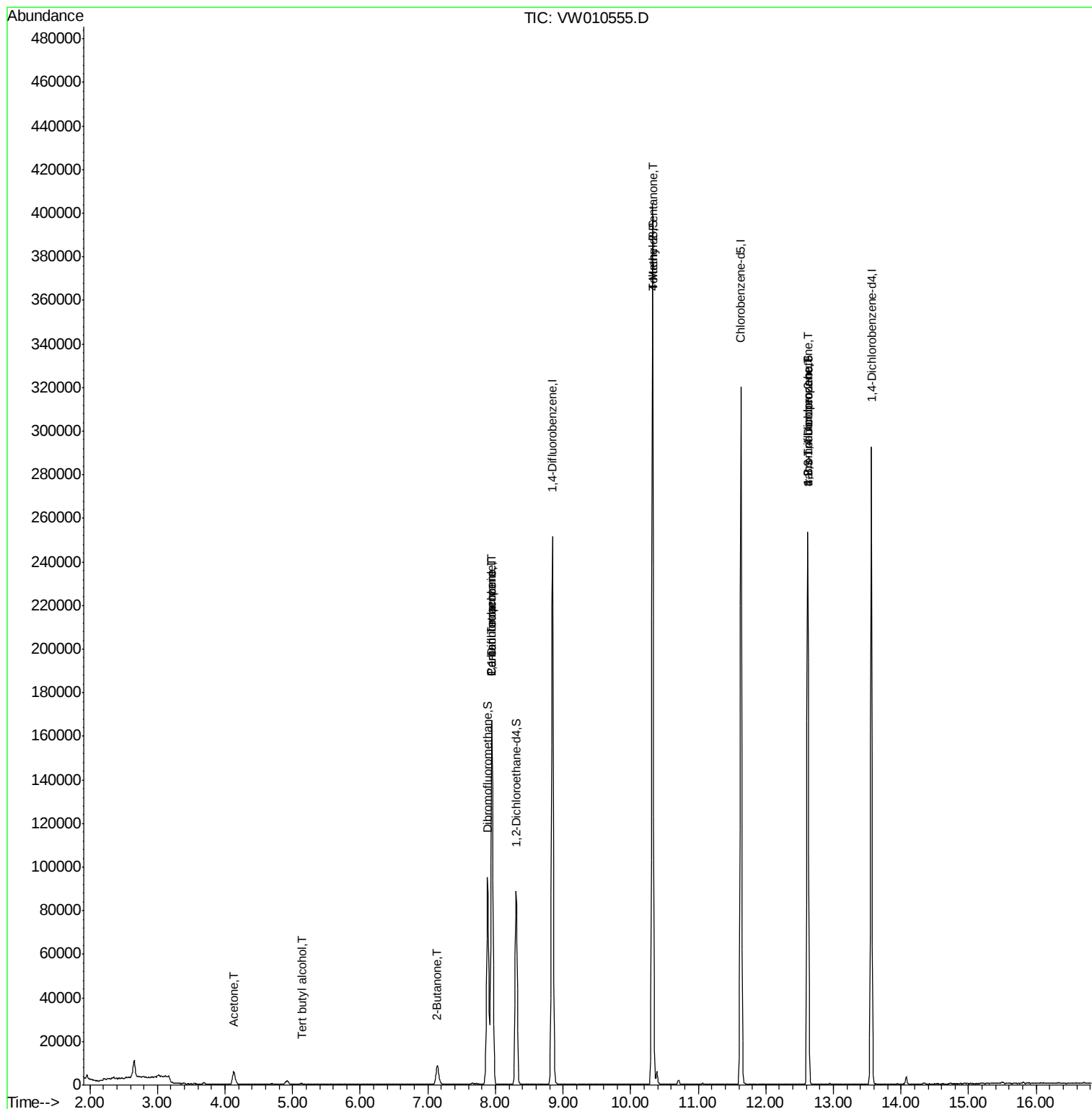
						Qvalue
11) Tert butyl alcohol	5.14	59	163	1.429	ug/l #	71
16) Acetone	4.13	43	10689	41.292	ug/l	95
20) Methylene Chloride	4.92	84	1387	Below Cal	#	79
25) 2-Butanone	7.15	43	449	1.212	ug/l #	45
36) 1,1-Dichloropropene	7.95	75	9637	4.606	ug/l #	48
38) Carbon Tetrachloride	7.95	117	12963	5.743	ug/l #	14
51) 4-Methyl-2-Pentanone	10.32	43	1124	1.248	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	44883	58.450	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	44883	121.987	ug/l #	14

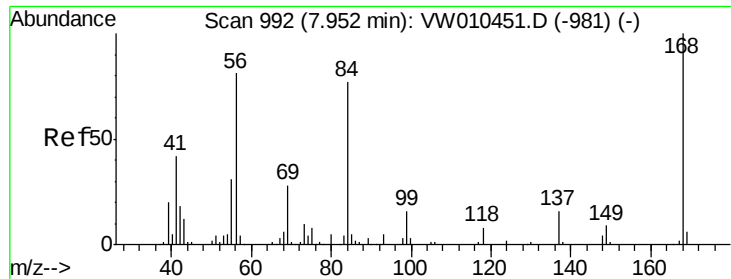
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010555.D

Acq: 24 May 2019 17:22

Instrument :

MSVOA_W

ClientSampled :

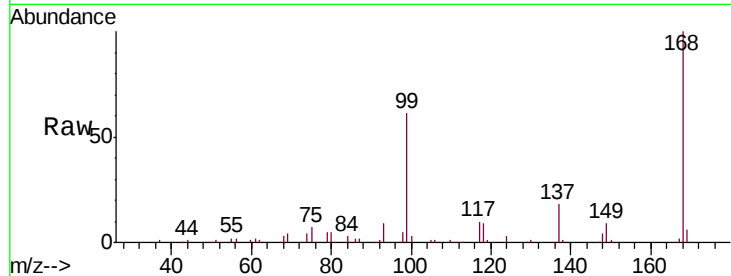
SP-1-B

Tgt Ion:168 Resp: 122865

Ion Ratio Lower Upper

168 100

99 60.7 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

20000

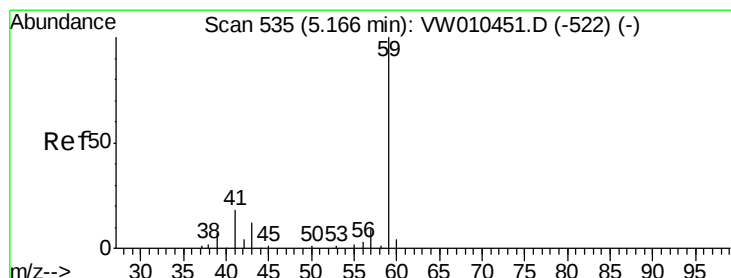
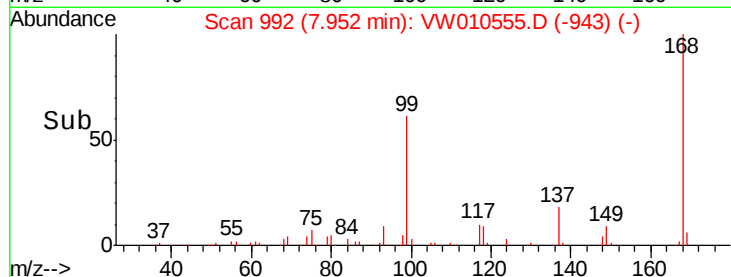
10000

0

Time-->

7.90

8.00



#11

Tert butyl alcohol

Concen: 1.429 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW010555.D

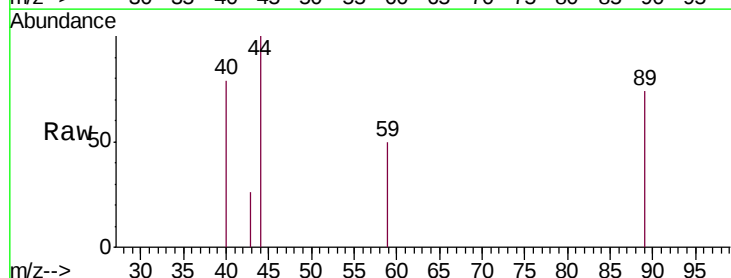
Acq: 24 May 2019 17:22

Tgt Ion: 59 Resp: 163

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

100

50

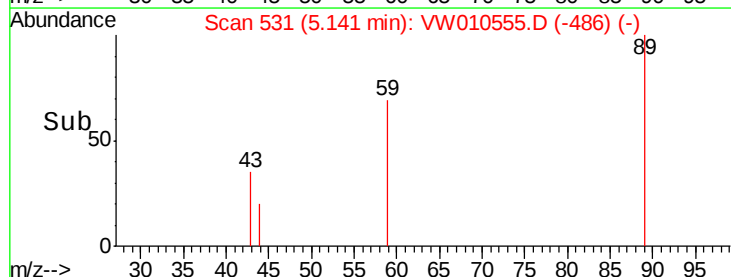
0

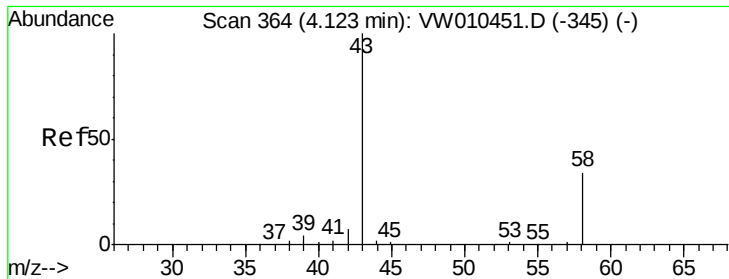
Time-->

5.12

5.14

5.16





#16

Acetone

Concen: 41.292 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010555.D

Acq: 24 May 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

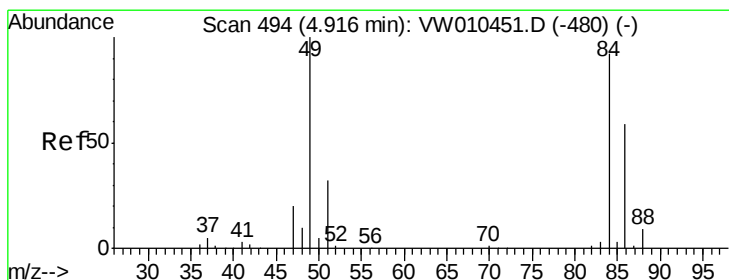
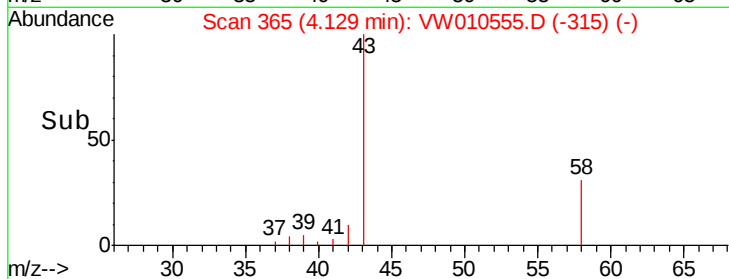
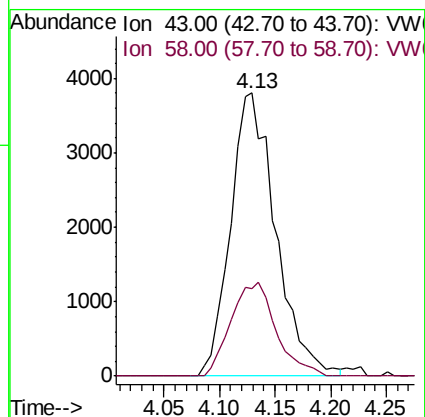
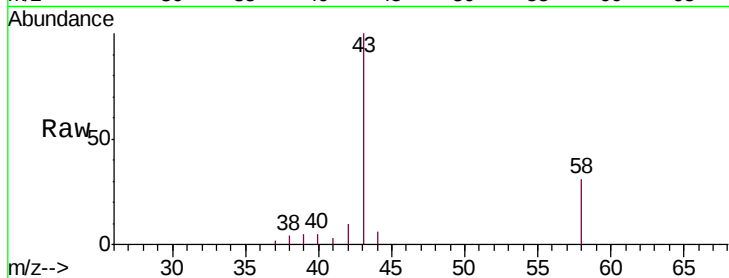
SP-1-B

Tgt Ion: 43 Resp: 10689

Ion Ratio Lower Upper

43 100

58 31.0 27.0 40.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010555.D

Acq: 24 May 2019 17:22

Tgt Ion: 84 Resp: 1387

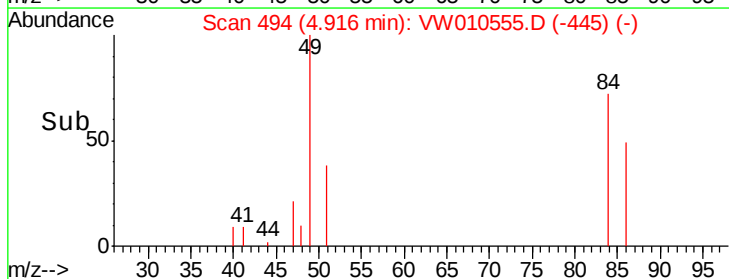
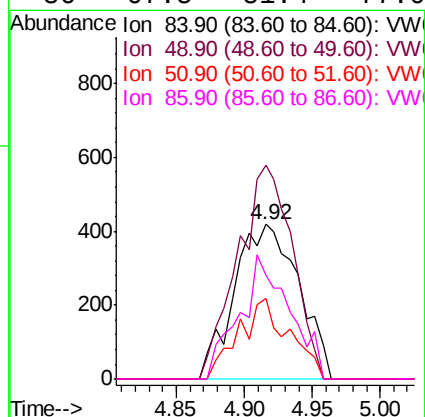
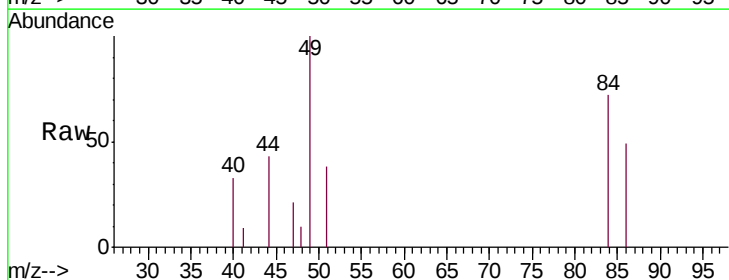
Ion Ratio Lower Upper

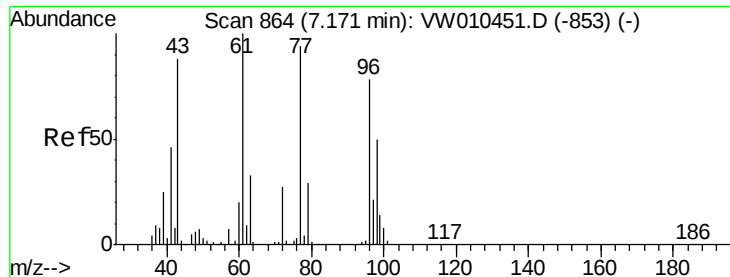
84 100

49 138.3 87.2 130.8#

51 52.4 27.7 41.5#

86 67.5 51.4 77.0





#25

2-Butanone

Concen: 1.212 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW010555.D

Acq: 24 May 2019 17:22

Instrument :

MSVOA_W

ClientSampled :

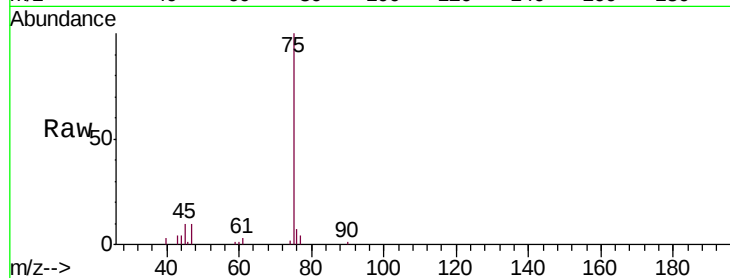
SP-1-B

Tgt Ion: 43 Resp: 449

Ion Ratio Lower Upper

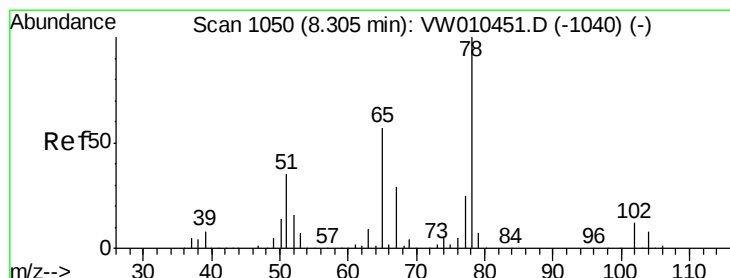
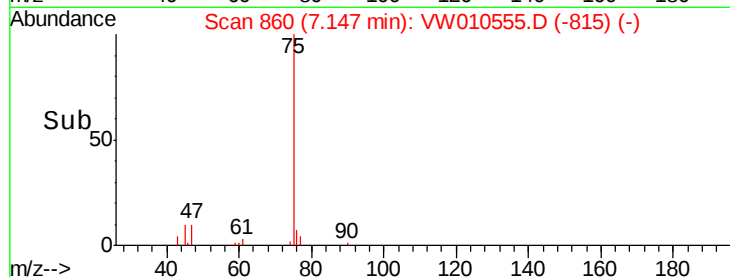
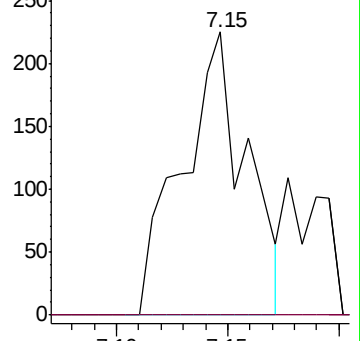
43 100

72 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#33

1,2-Dichloroethane-d4

Concen: 55.879 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010555.D

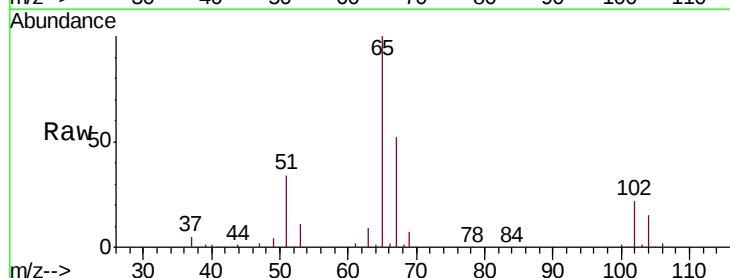
Acq: 24 May 2019 17:22

Tgt Ion: 65 Resp: 70864

Ion Ratio Lower Upper

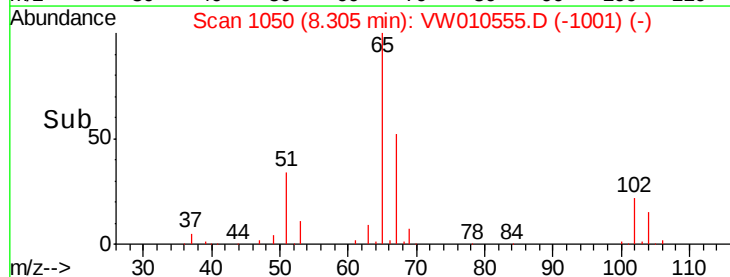
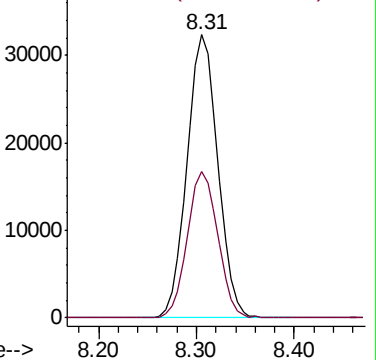
65 100

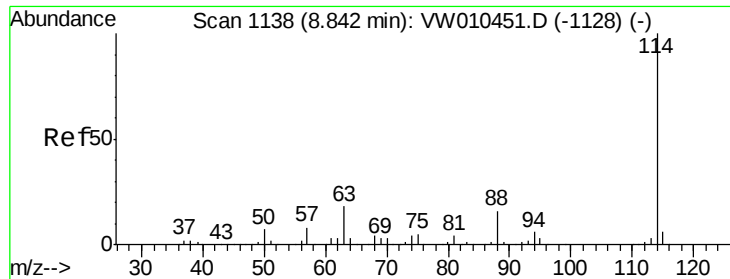
67 51.3 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010555.D

Acq: 24 May 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

SP-1-B

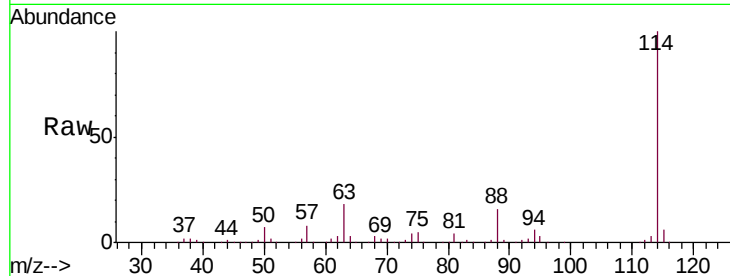
Tgt Ion:114 Resp: 224607

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.0

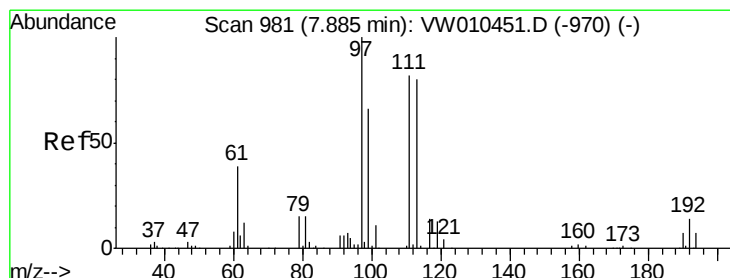
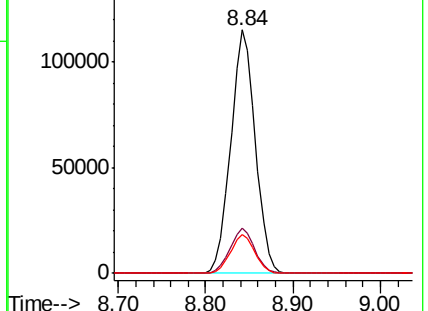
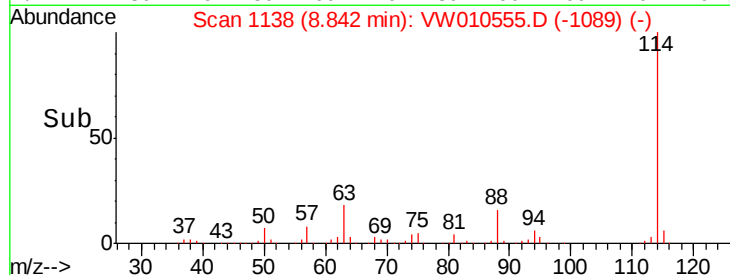
88 16.1 0.0 32.0



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: 49.705 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010555.D

Acq: 24 May 2019 17:22

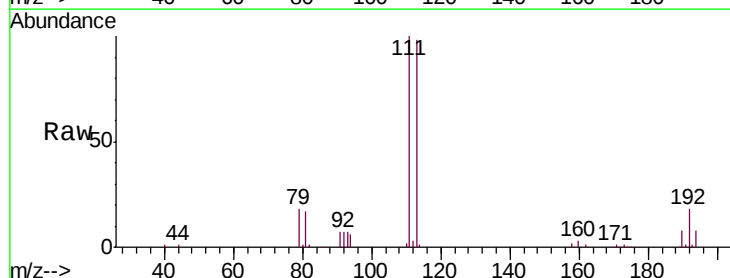
Tgt Ion:113 Resp: 67742

Ion Ratio Lower Upper

113 100

111 104.6 82.2 123.4

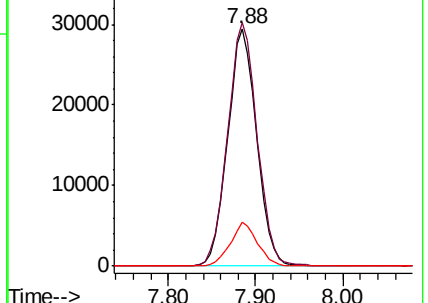
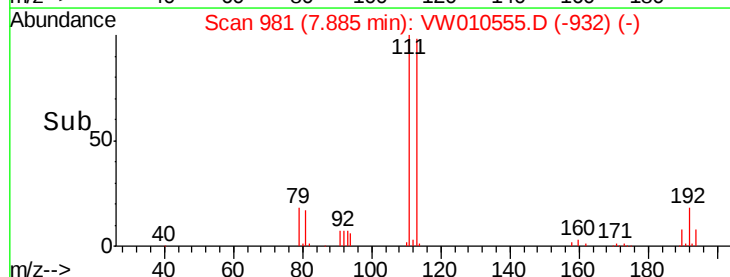
192 17.2 14.3 21.5

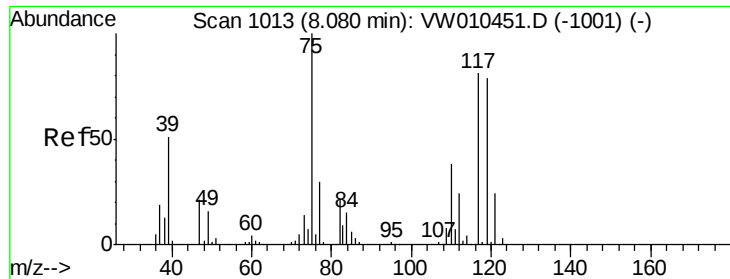


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

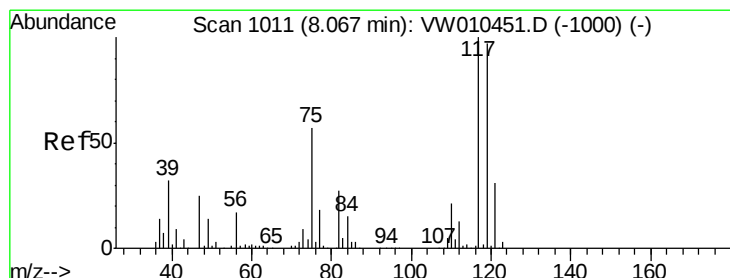
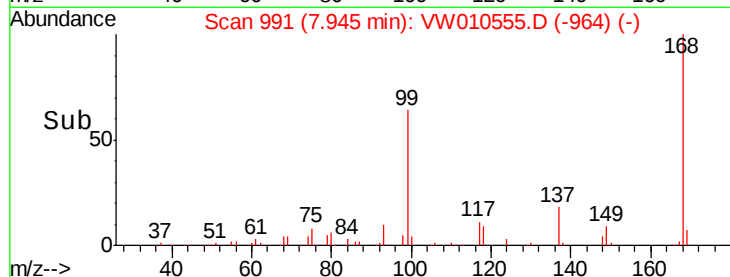
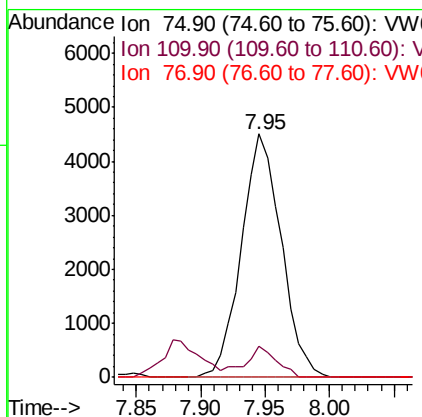
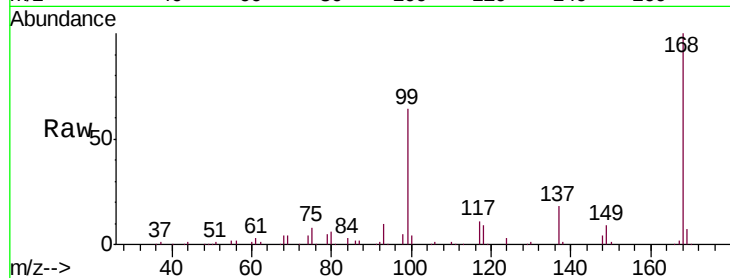




#36
 1,1-Dichloropropene
 Concen: 4.606 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010555.D
 Acq: 24 May 2019 17:22

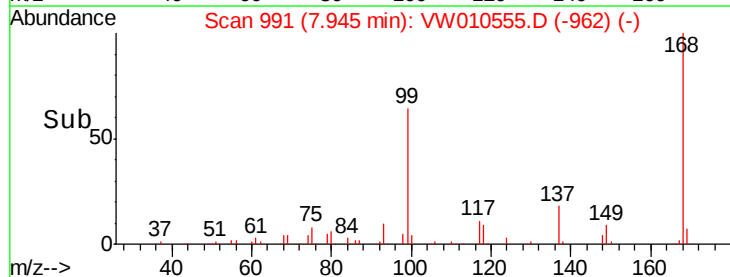
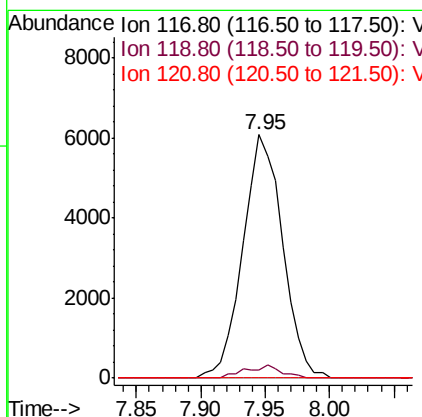
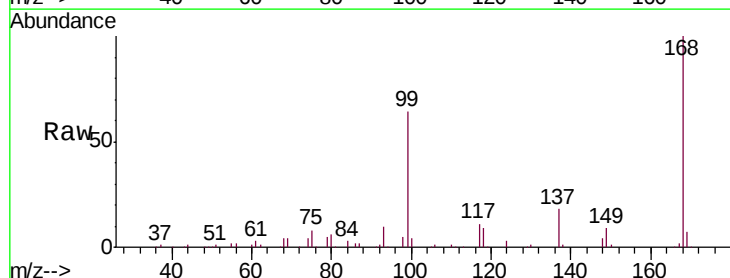
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-1-B

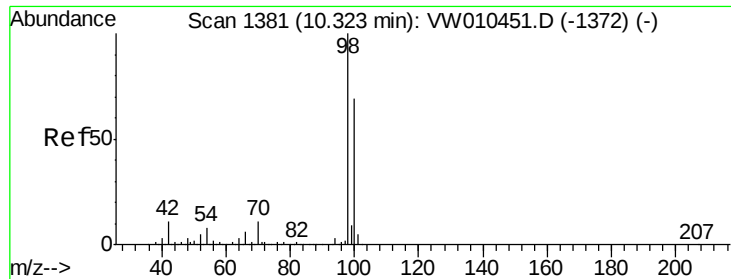
Tgt Ion: 75 Resp: 9637
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.2 57.6#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.743 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010555.D
 Acq: 24 May 2019 17:22

Tgt Ion: 117 Resp: 12963
 Ion Ratio Lower Upper
 117 100
 119 3.3 77.4 116.0#
 121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 51.930 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010555.D

Acq: 24 May 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

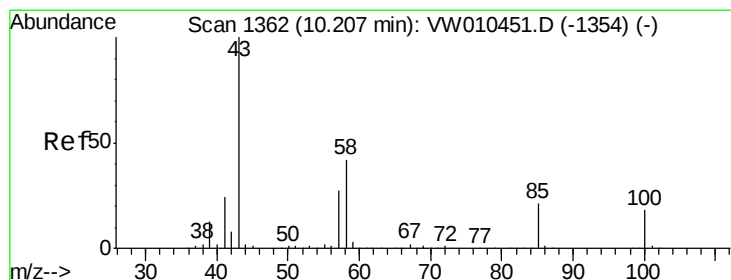
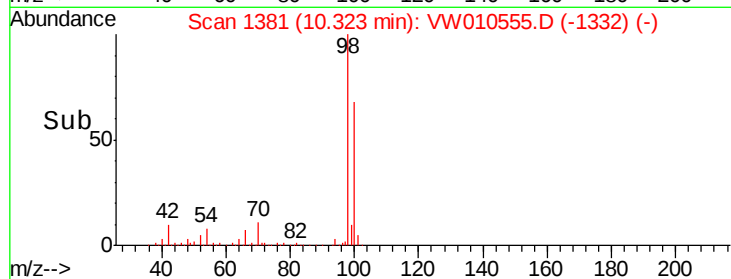
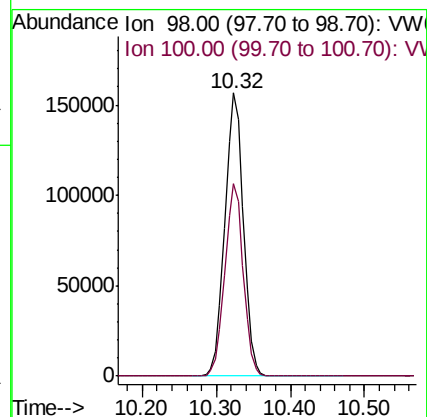
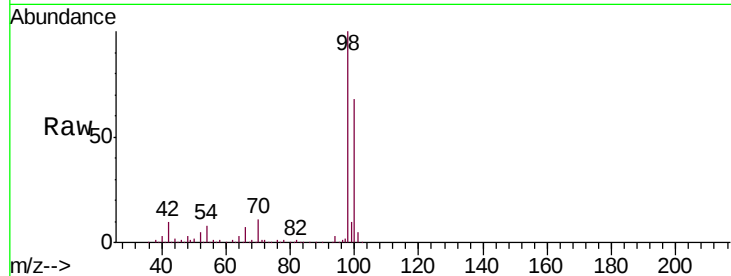
SP-1-B

Tgt Ion: 98 Resp: 270372

Ion Ratio Lower Upper

98 100

100 67.3 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 1.248 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW010555.D

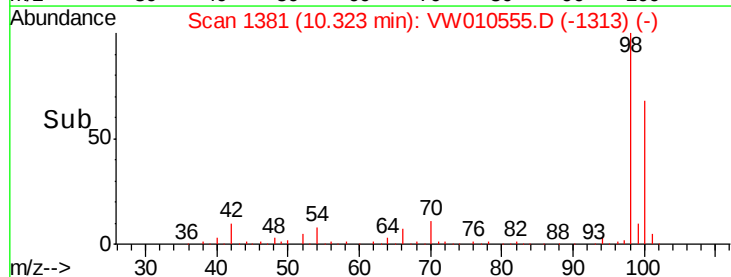
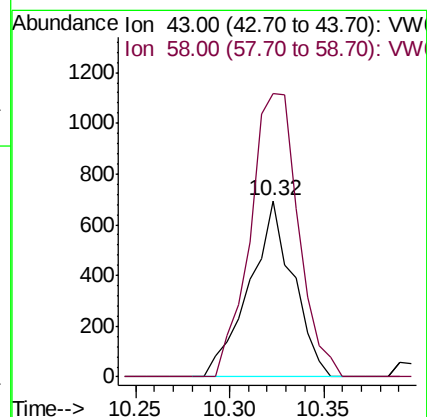
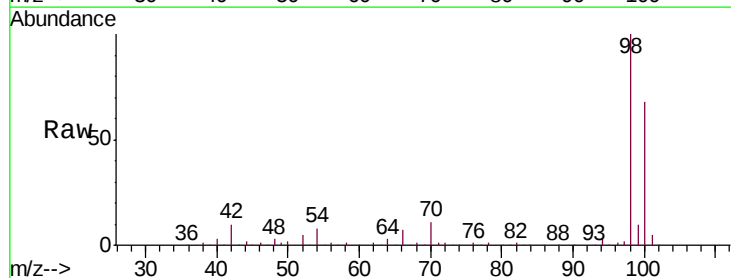
Acq: 24 May 2019 17:22

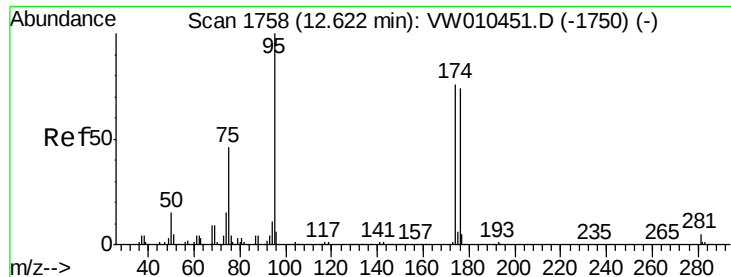
Tgt Ion: 43 Resp: 1124

Ion Ratio Lower Upper

43 100

58 176.4 33.2 49.8#





#62

4-Bromofluorobenzene

Concen: 46.247 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010555.D

Acq: 24 May 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

SP-1-B

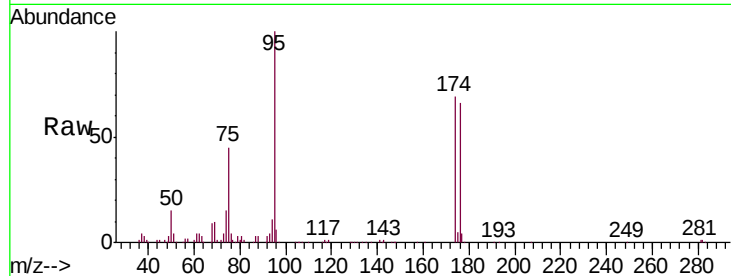
Tgt Ion: 95 Resp: 95907

Ion Ratio Lower Upper

95 100

174 68.6 0.0 148.6

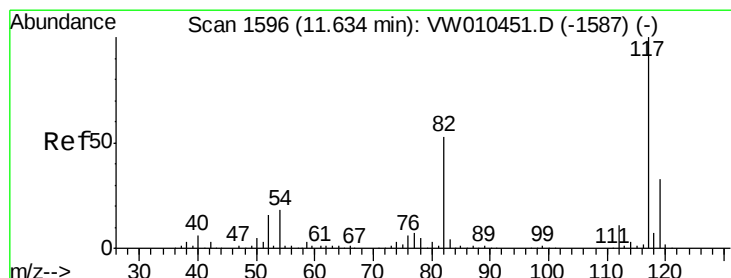
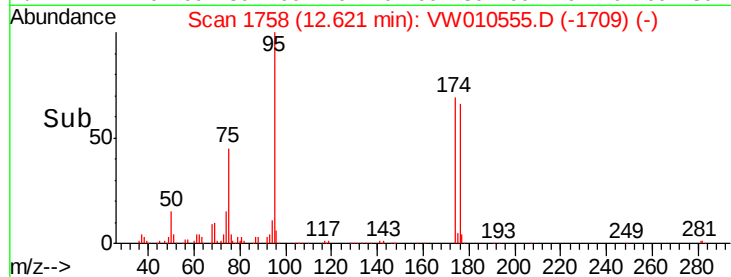
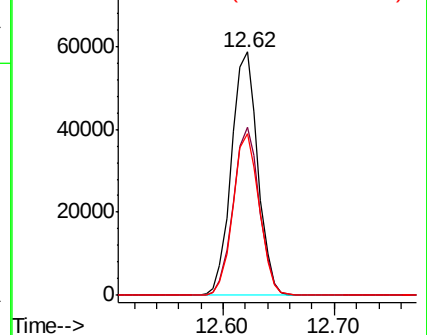
176 66.0 0.0 144.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010555.D

Acq: 24 May 2019 17:22

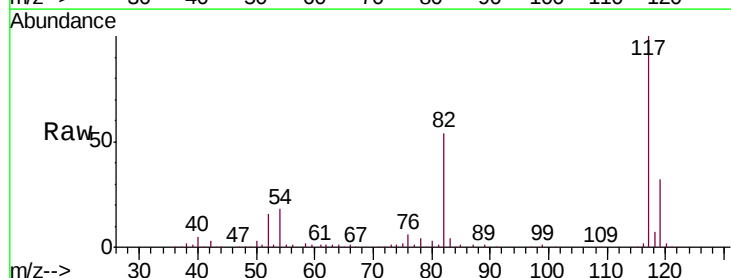
Tgt Ion: 117 Resp: 192880

Ion Ratio Lower Upper

117 100

82 53.8 42.8 64.2

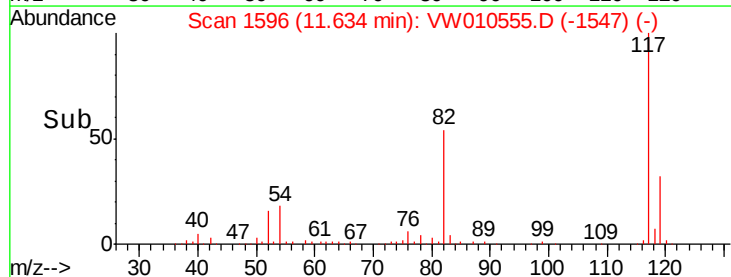
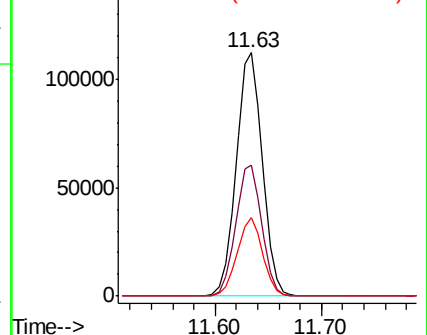
119 32.3 26.3 39.5

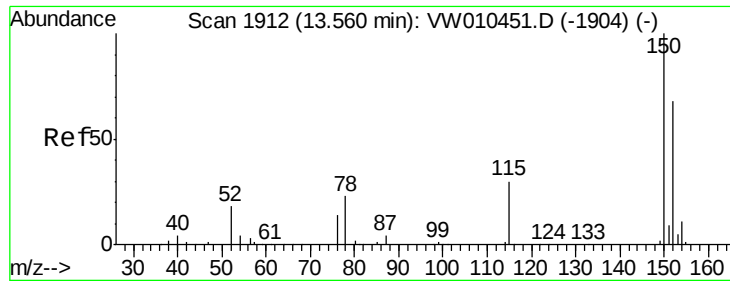


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010555.D

Acq: 24 May 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

SP-1-B

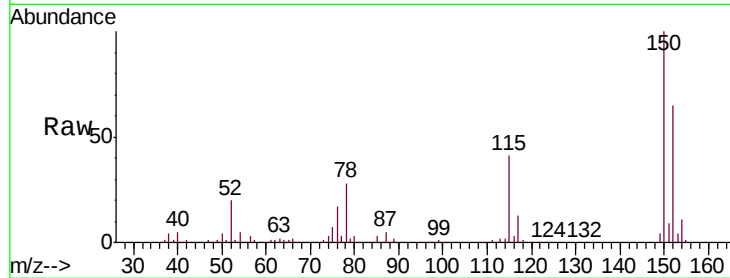
Tgt Ion: 152 Resp: 75649

Ion Ratio Lower Upper

152 100

115 63.0 30.3 91.0

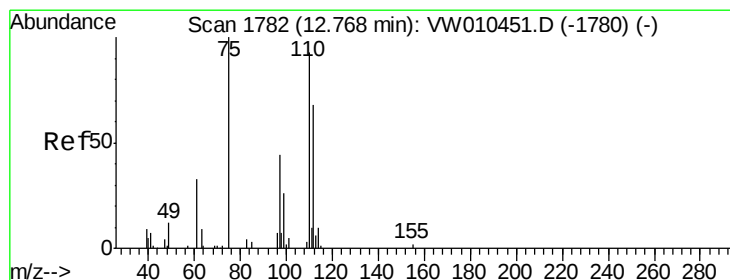
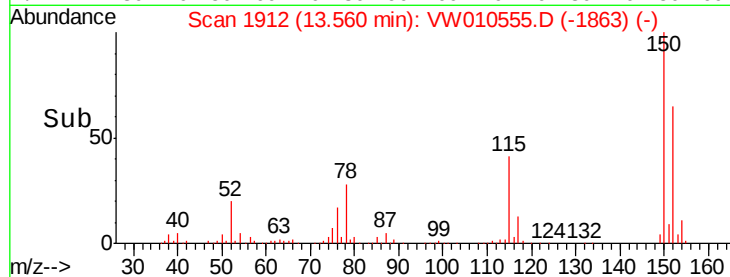
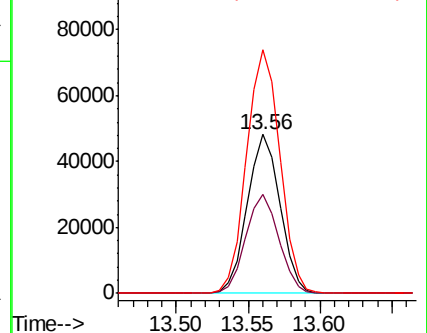
150 156.4 0.0 349.8



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: 58.450 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010555.D

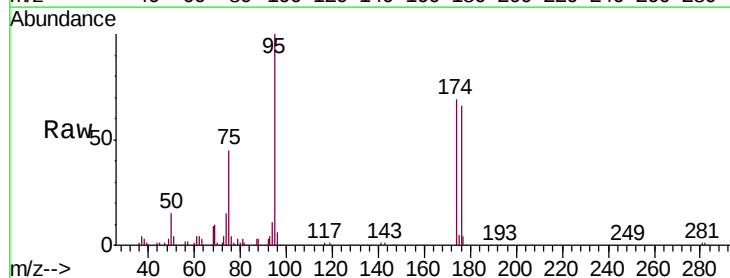
Acq: 24 May 2019 17:22

Tgt Ion: 75 Resp: 44883

Ion Ratio Lower Upper

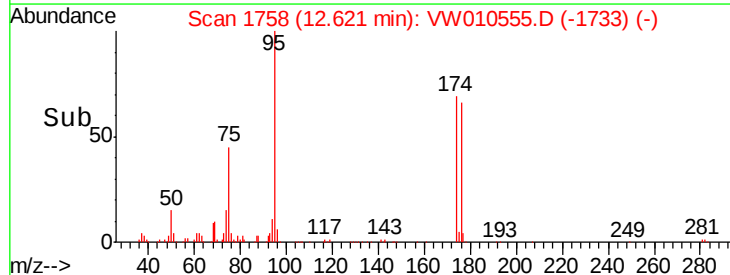
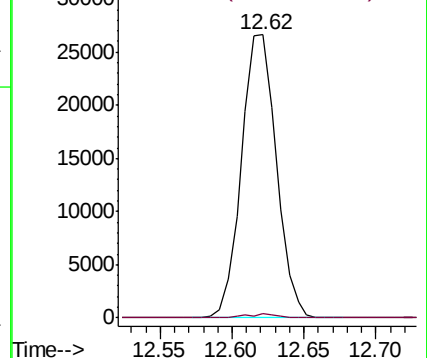
75 100

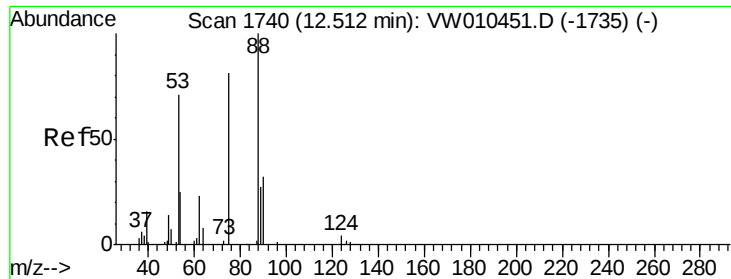
77 1.3 170.0 510.1#



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: 121.987 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010555.D

Acq: 24 May 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

SP-1-B

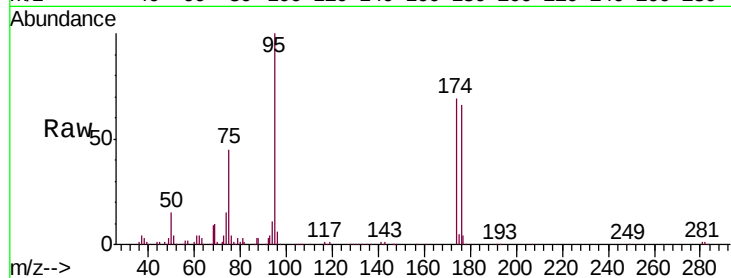
Tgt Ion: 75 Resp: 44883

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#



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

