

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
 Data File : VW011756.D
 Acq On : 07 Aug 2019 17:22
 Operator : SY/VA
 Sample : K4219-03
 Misc : 6.11G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-B

Quant Time: Aug 08 08:41:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	347203	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	289564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113509	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	137129	56.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.72%	
35) Dibromofluoromethane	7.88	113	108291	55.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.18%	
50) Toluene-d8	10.32	98	428542	53.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.46%	
62) 4-Bromofluorobenzene	12.62	95	132785	46.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.40%	

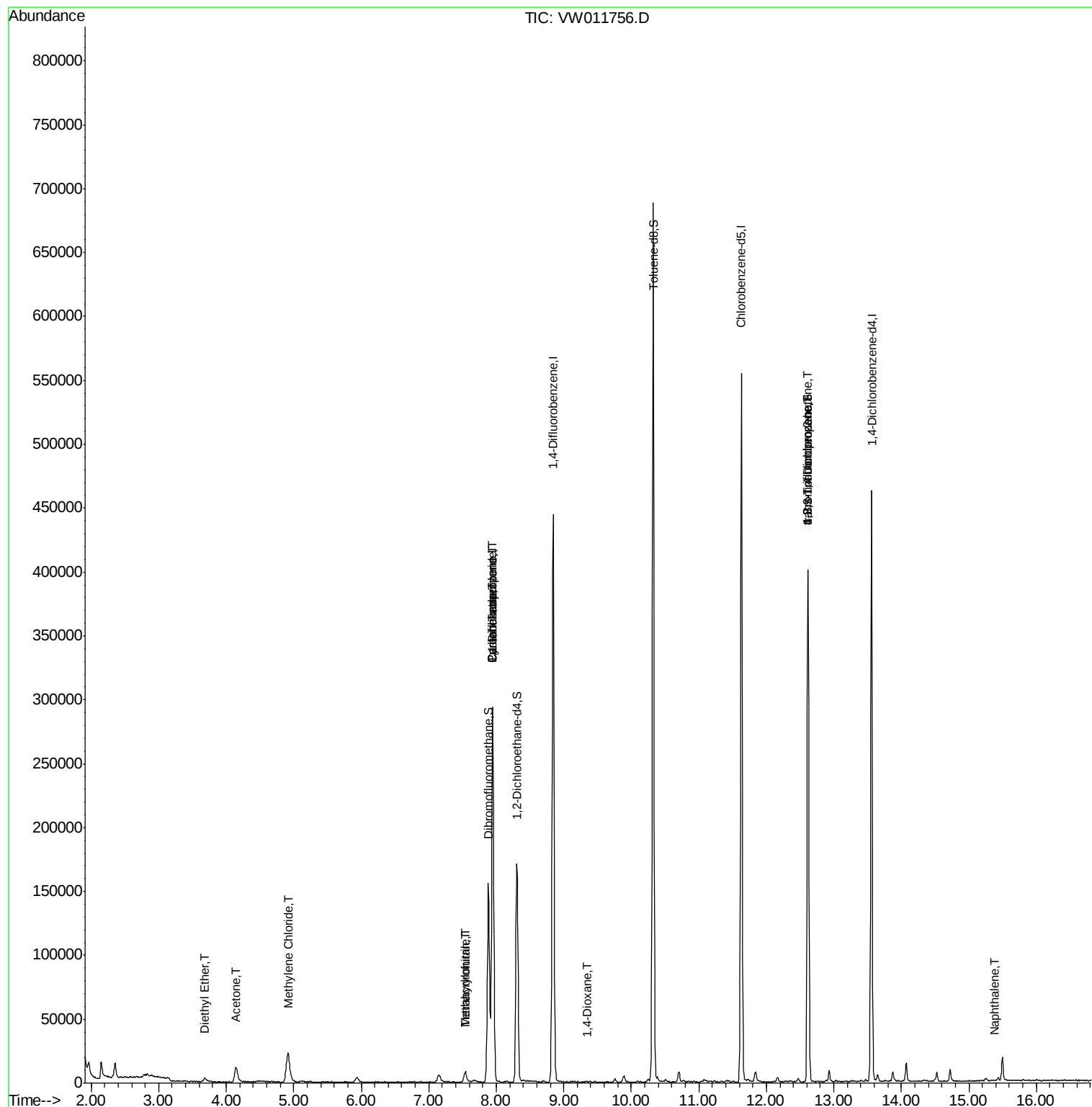
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1465	1.183	ug/l	84
11) Tert butyl alcohol	5.20	59	239	Below Cal	#	84
16) Acetone	4.15	43	24272	31.637	ug/l	98
20) Methylene Chloride	4.91	84	17645	6.669	ug/l	97
29) Tetrahydrofuran	7.54	42	7182	12.516	ug/l	98
31) Cyclohexane	7.95	56	5316	1.179	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18501	5.125	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21658	7.008	ug/l #	17
41) Methacrylonitrile	7.53	41	4212	3.392	ug/l #	55
49) 1,4-Dioxane	9.35	88	25	1.398	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	71713	59.708	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71713	137.607	ug/l #	6
95) Naphthalene	15.38	128	148	2.098	ug/l #	69

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW011756.D

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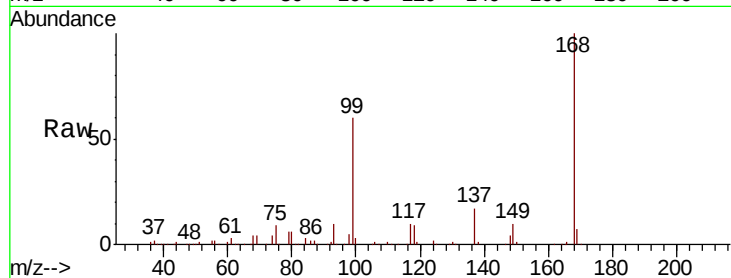
Instrument :
MSVOA_W
ClientSampleId :
TP-B

Tgt Ion:168 Resp: 210039

Ion Ratio Lower Upper

168 100

99 60.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

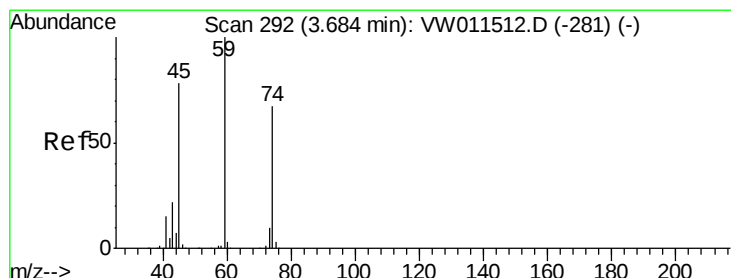
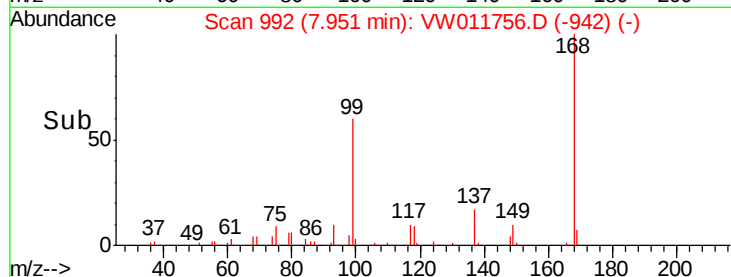
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.183 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW011756.D

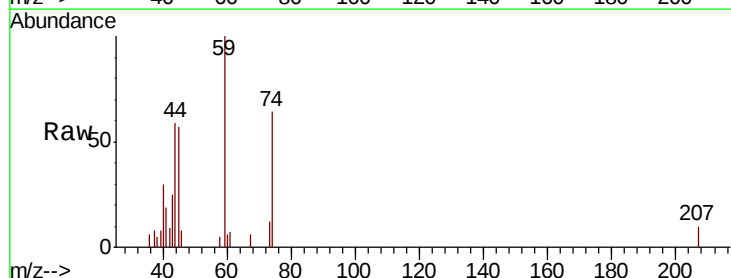
Acq: 07 Aug 2019 17:22

Tgt Ion: 74 Resp: 1465

Ion Ratio Lower Upper

74 100

45 137.4 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

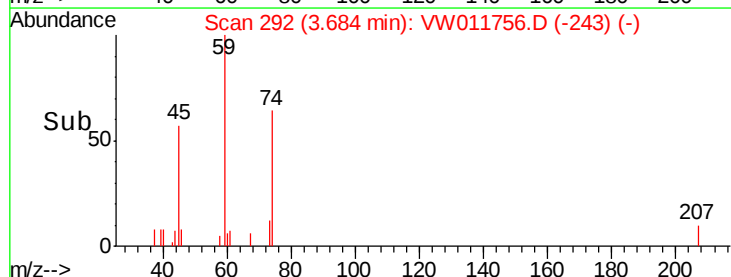
600

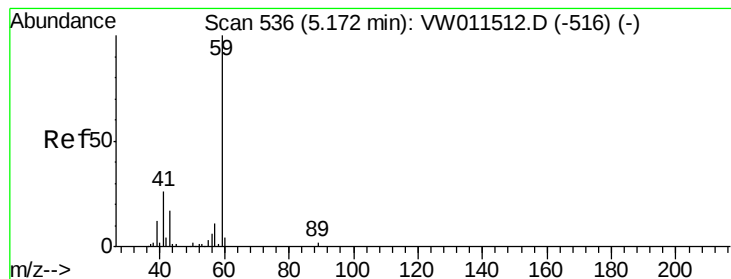
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW011756.D

Acq: 07 Aug 2019 17:22

Instrument :

MSVOA_W

ClientSampled :

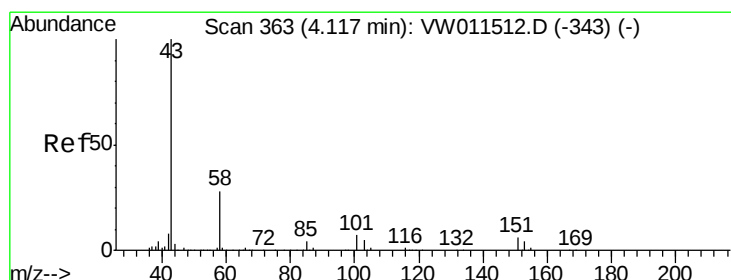
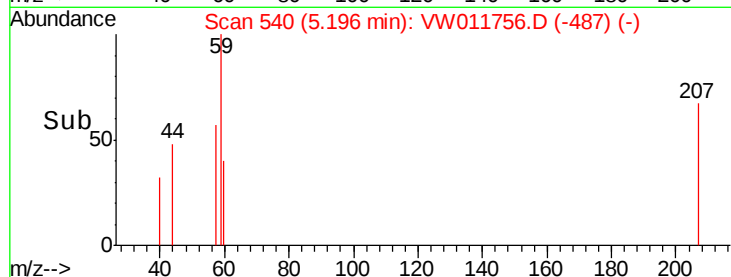
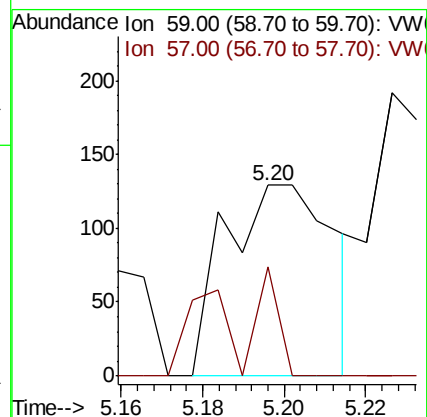
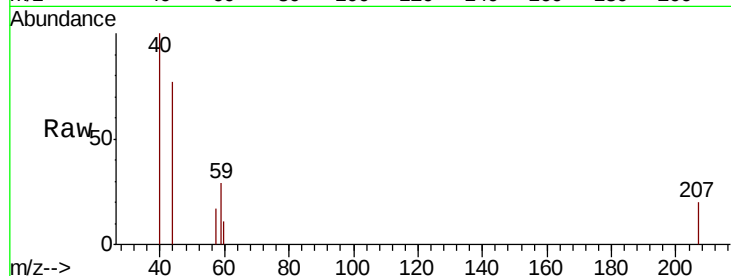
TP-B

Tgt Ion: 59 Resp: 239

Ion Ratio Lower Upper

59 100

57 16.7 8.5 12.7#



#16

Acetone

Concen: 31.637 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW011756.D

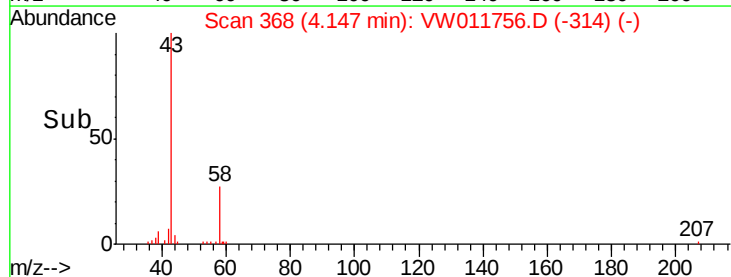
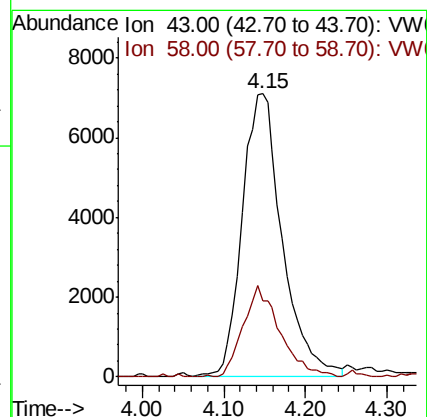
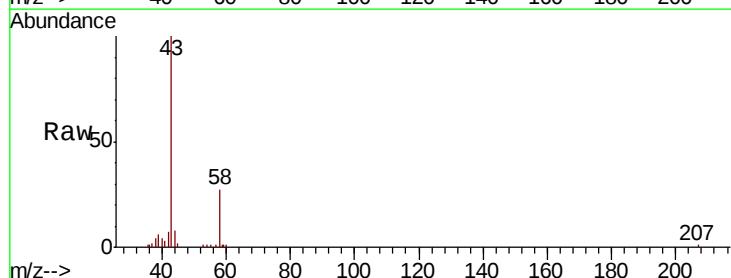
Acq: 07 Aug 2019 17:22

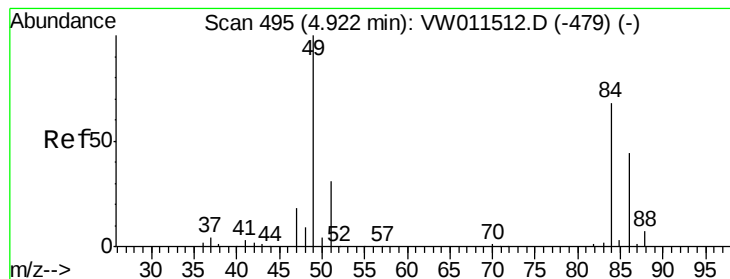
Tgt Ion: 43 Resp: 24272

Ion Ratio Lower Upper

43 100

58 26.8 22.3 33.5





#20

Methylene Chloride

Concen: 6.669 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011756.D

Acq: 07 Aug 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

TP-B

Tgt Ion: 84 Resp: 17645

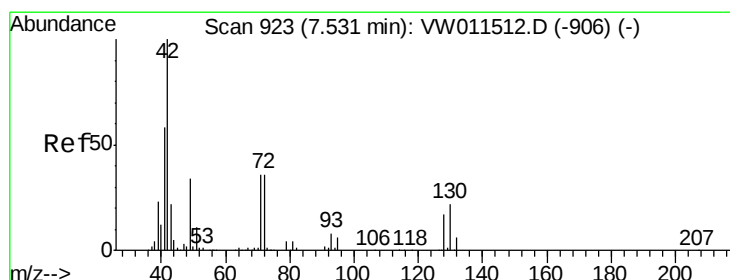
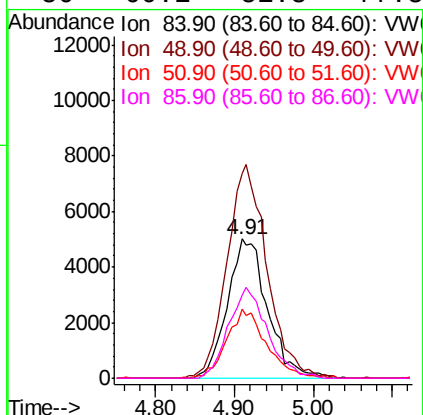
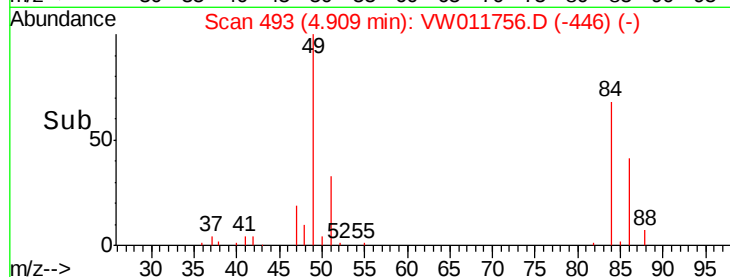
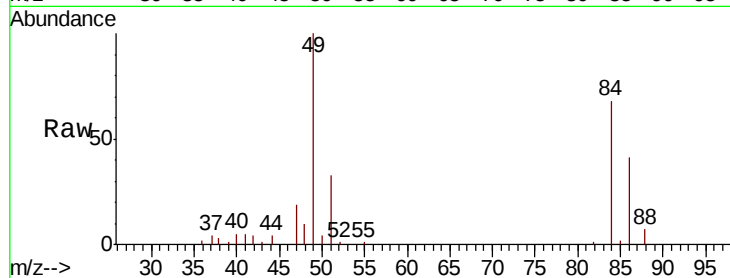
Ion Ratio Lower Upper

84 100

49 147.6 117.8 176.6

51 49.4 37.0 55.4

86 60.1 51.8 77.8



#29

Tetrahydrofuran

Concen: 12.516 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW011756.D

Acq: 07 Aug 2019 17:22

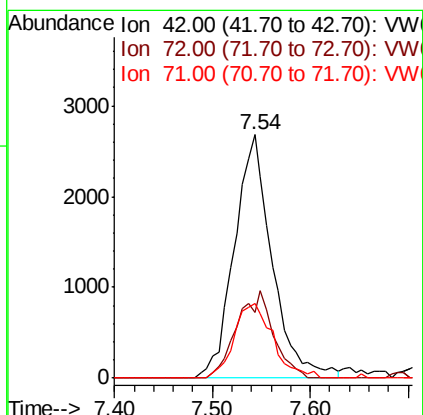
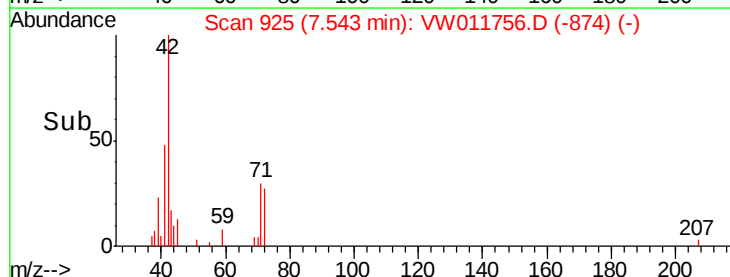
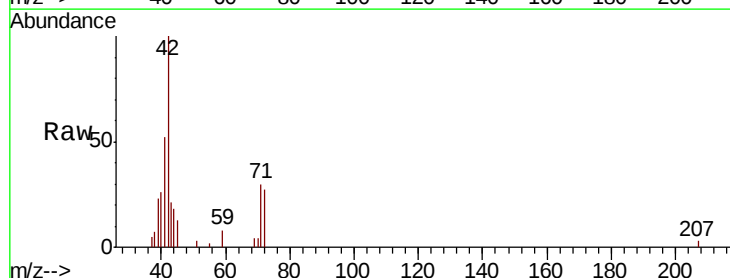
Tgt Ion: 42 Resp: 7182

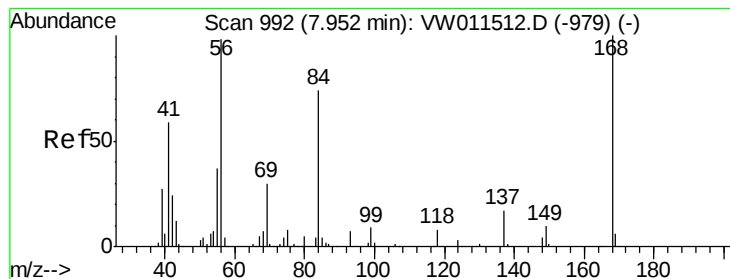
Ion Ratio Lower Upper

42 100

72 34.6 27.1 40.7

71 31.6 26.2 39.4





#31

Cyclohexane

Concen: 1.179 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011756.D

Acq: 07 Aug 2019 17:22

Instrument :
MSVOA_W
ClientSampled :
TP-B

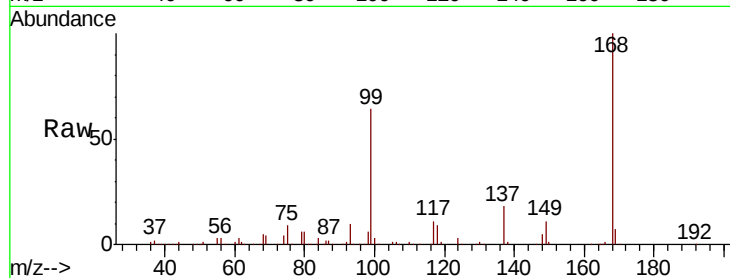
Tgt Ion: 56 Resp: 5316

Ion Ratio Lower Upper

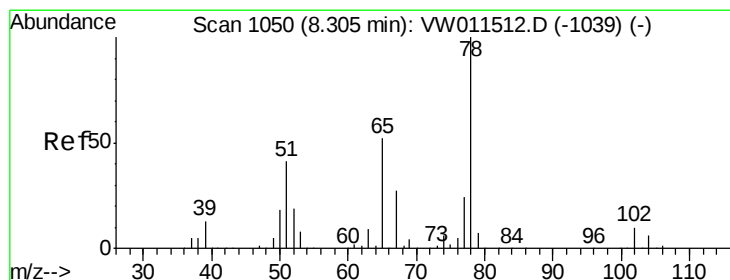
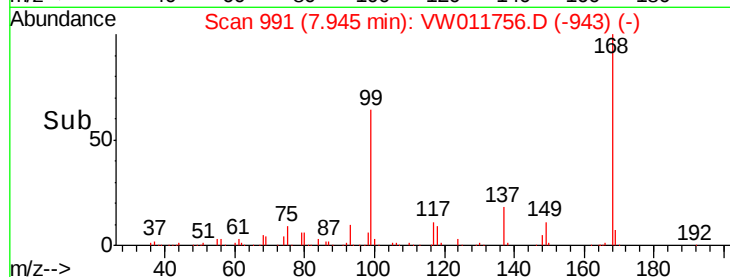
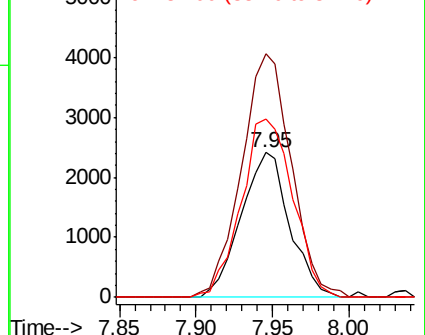
56 100

69 168.5 24.3 36.5#

84 123.1 60.4 90.6#



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: 56.857 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011756.D

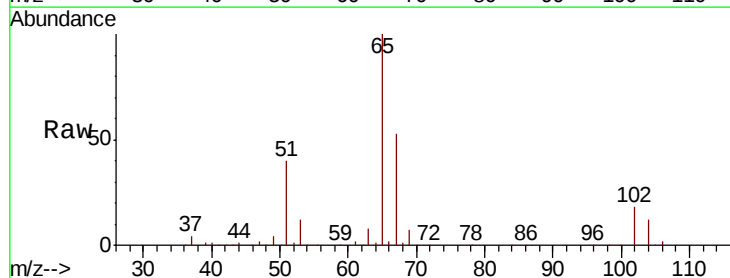
Acq: 07 Aug 2019 17:22

Tgt Ion: 65 Resp: 137129

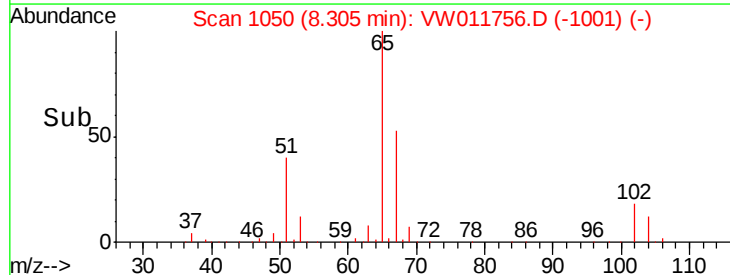
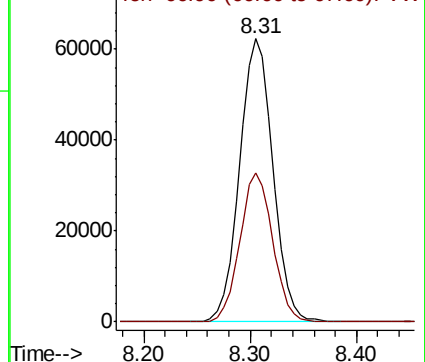
Ion Ratio Lower Upper

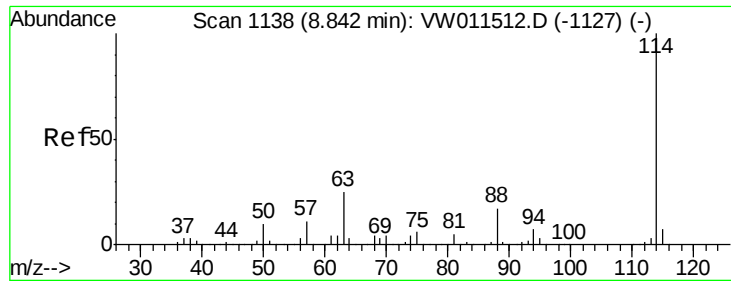
65 100

67 51.7 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

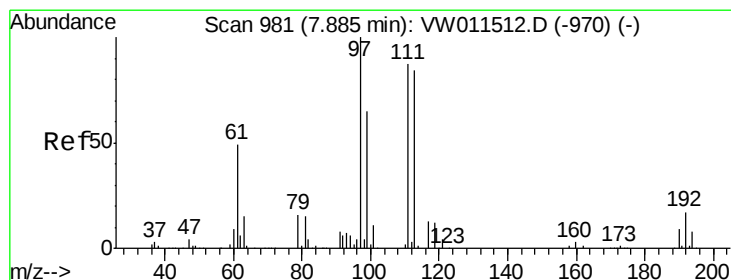
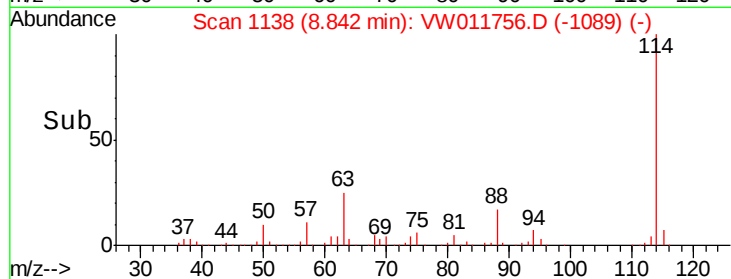
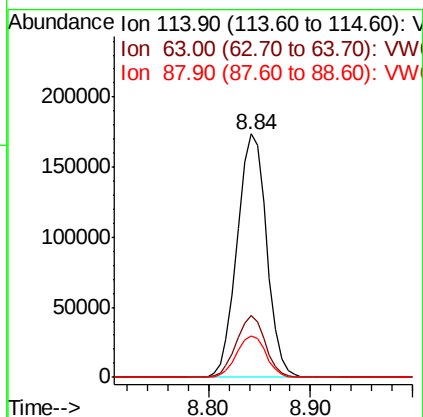
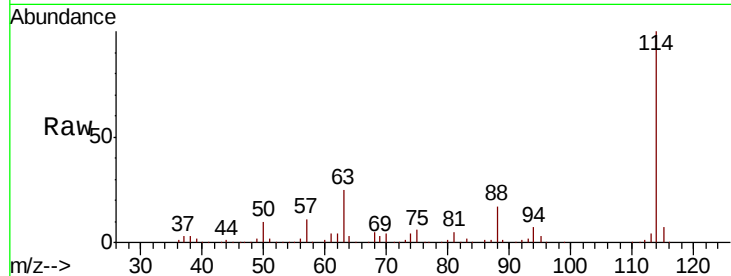




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011756.D
 Acq: 07 Aug 2019 17:22

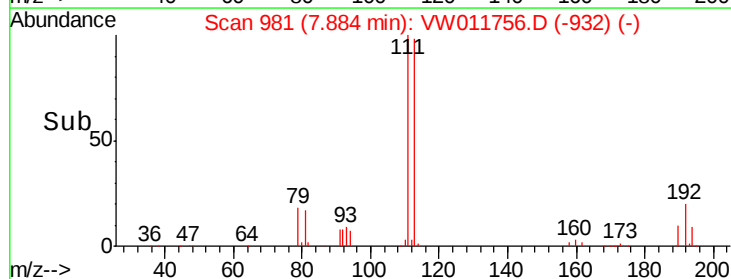
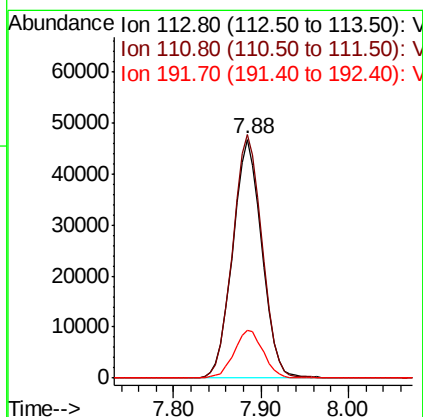
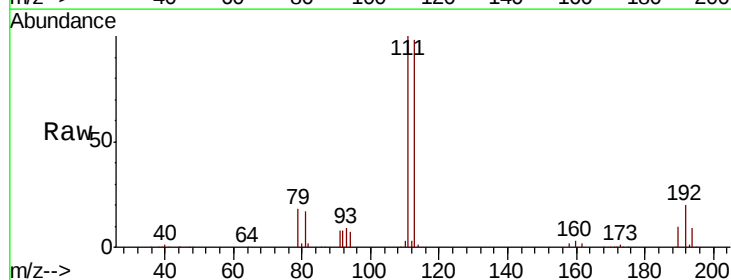
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-B

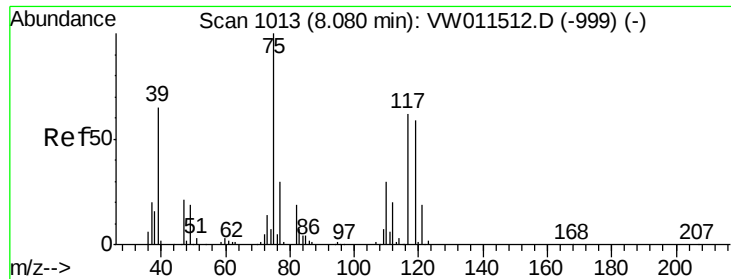
Tgt Ion:114 Resp: 347203
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.2
 88 17.2 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 55.595 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011756.D
 Acq: 07 Aug 2019 17:22

Tgt Ion:113 Resp: 108291
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.7 124.1
 192 20.1 16.1 24.1

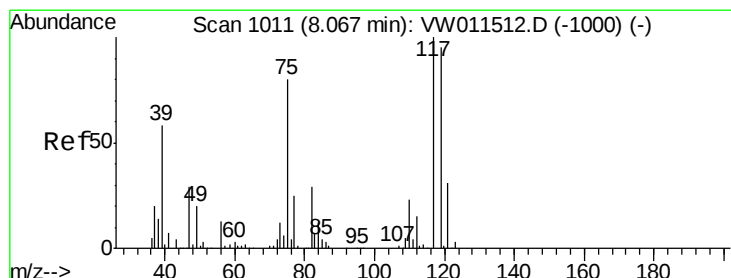
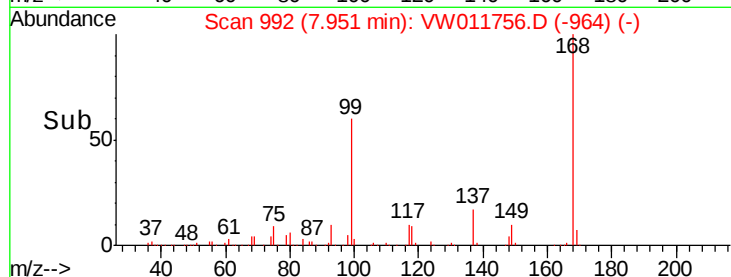
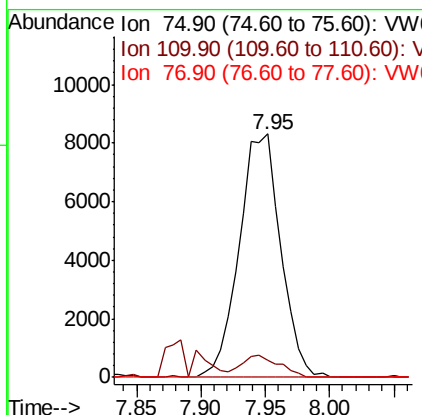
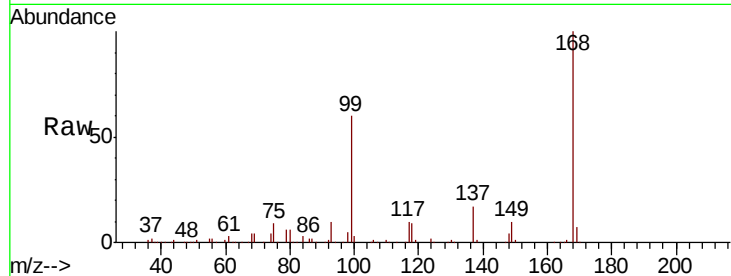




#36
 1,1-Dichloropropene
 Concen: 5.125 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW011756.D
 Acq: 07 Aug 2019 17:22

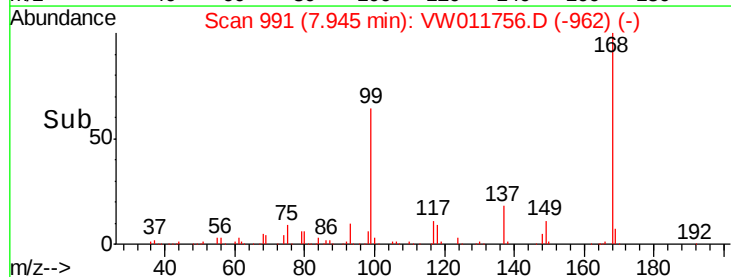
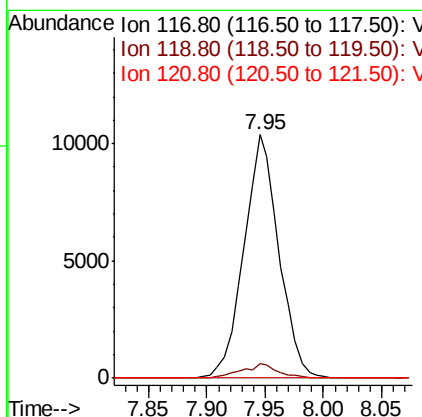
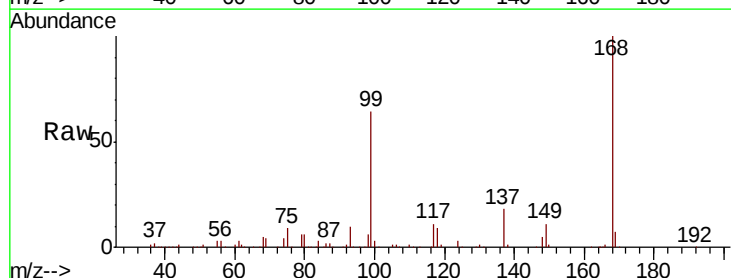
Instrument :
 MSVOA_W
 ClientSampled :
 TP-B

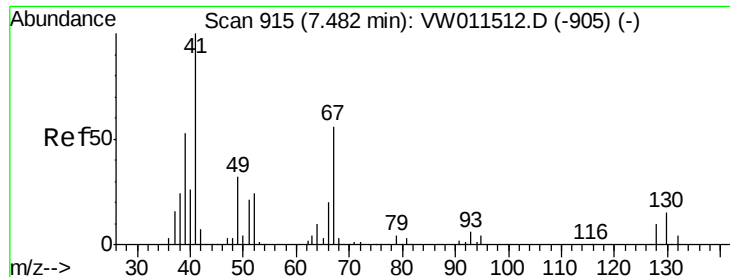
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.008 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011756.D
 Acq: 07 Aug 2019 17:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	75.8	113.6#
121	0.0	24.7	37.1#

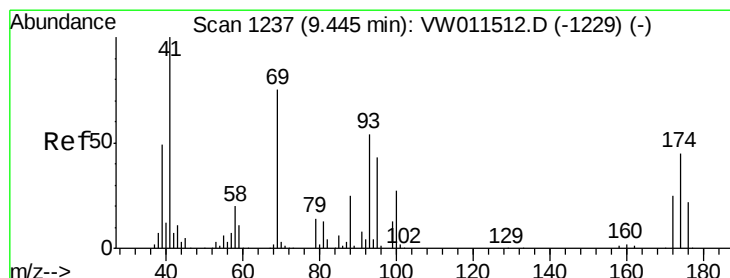
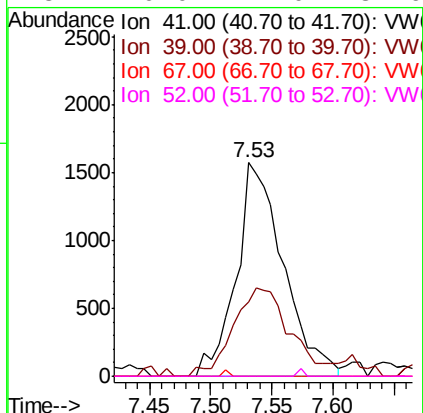
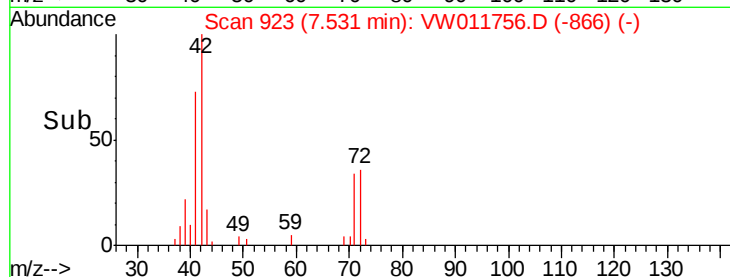
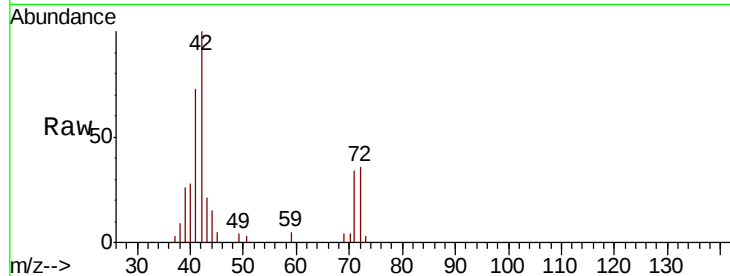




#41
Methacrylonitrile
Concen: 3.392 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW011756.D
Acq: 07 Aug 2019 17:22

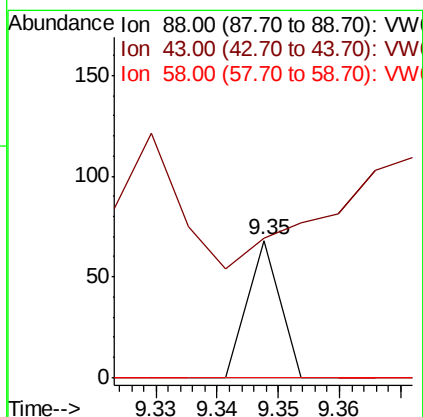
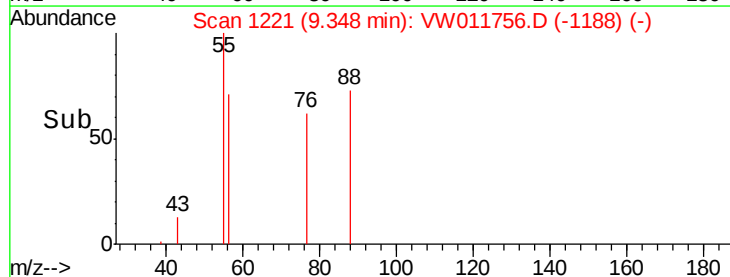
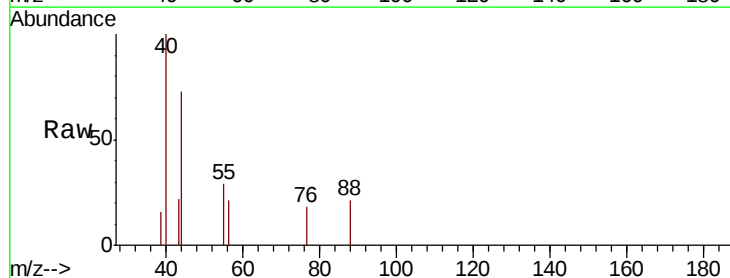
Instrument :
MSVOA_W
ClientSampled :
TP-B

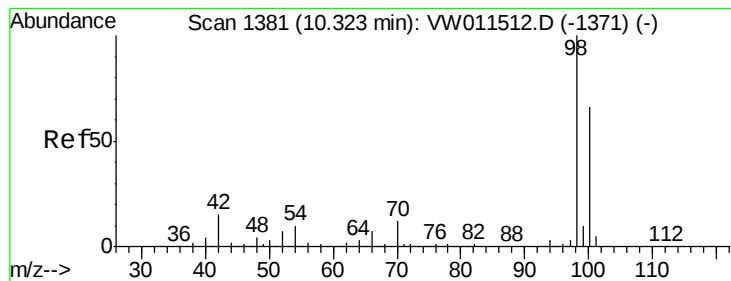
Tgt Ion: 41 Resp: 4212
Ion Ratio Lower Upper
41 100
39 49.9 43.0 64.4
67 0.0 47.5 71.3#
52 0.0 21.0 31.6#



#49
1,4-Dioxane
Concen: 1.398 ug/l
RT: 9.35 min Scan# 1221
Delta R.T. -0.10 min
Lab File: VW011756.D
Acq: 07 Aug 2019 17:22

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 948.0 34.0 51.0#
58 0.0 69.7 104.5#





#50

Toluene-d8

Concen: 53.735 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011756.D

Acq: 07 Aug 2019 17:22

Instrument :

MSVOA_W

ClientSampled :

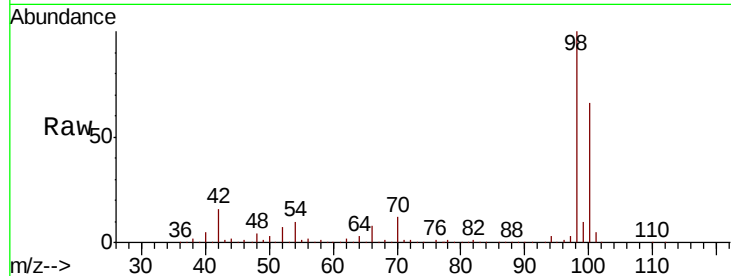
TP-B

Tgt Ion: 98 Resp: 428542

Ion Ratio Lower Upper

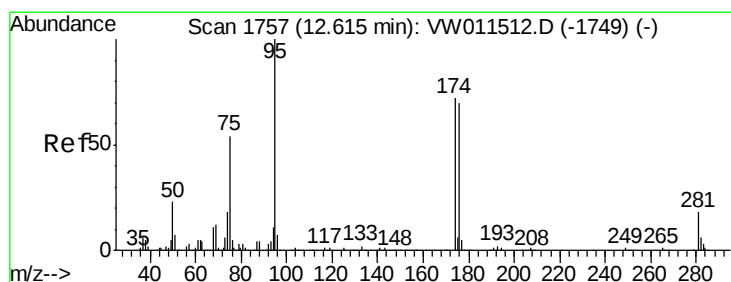
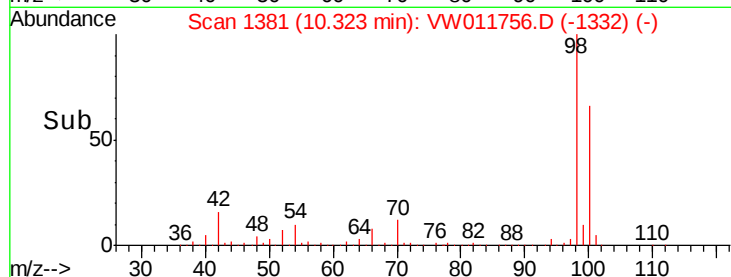
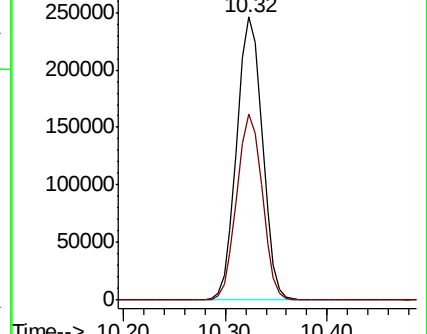
98 100

100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 46.701 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011756.D

Acq: 07 Aug 2019 17:22

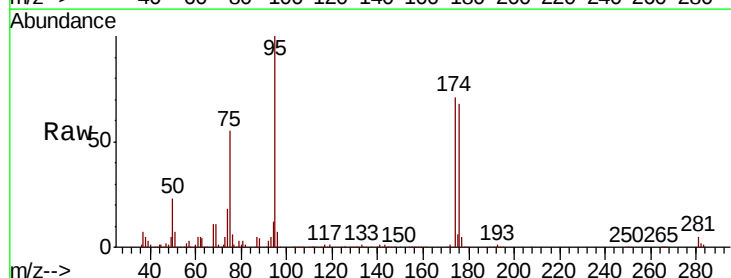
Tgt Ion: 95 Resp: 132785

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.2

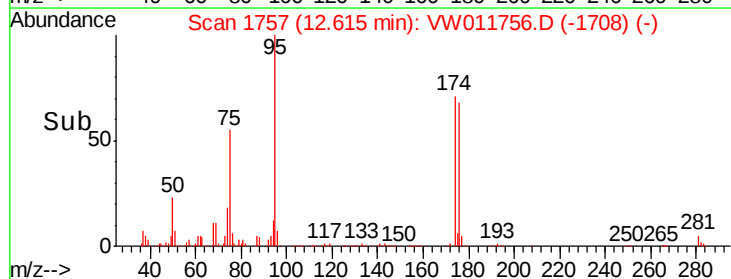
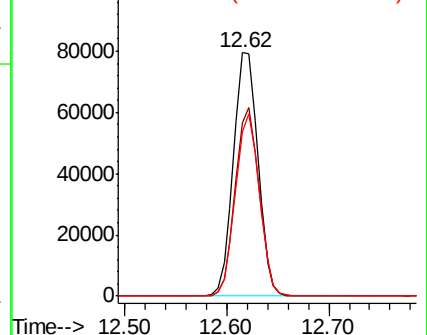
176 72.8 0.0 144.4

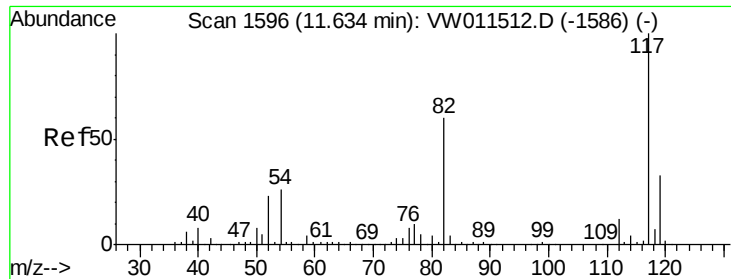


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

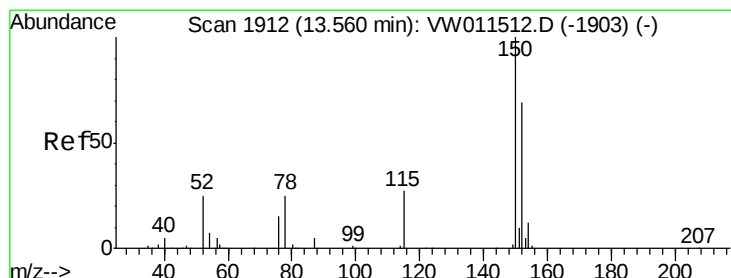
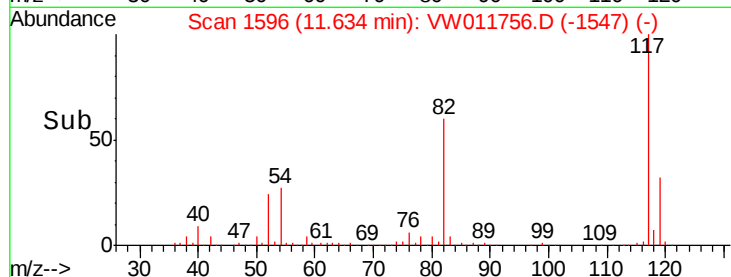
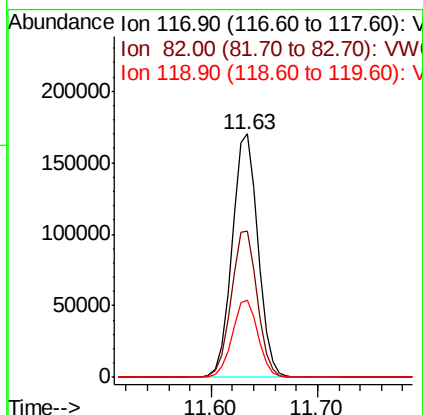
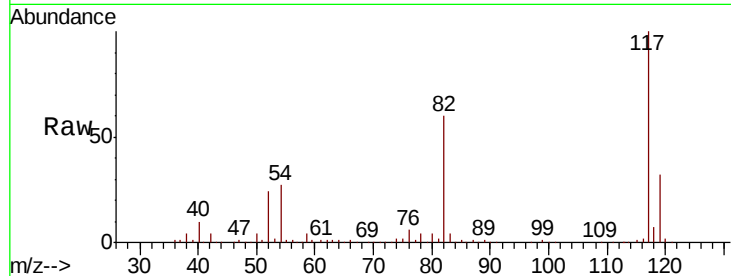




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011756.D
Acq: 07 Aug 2019 17:22

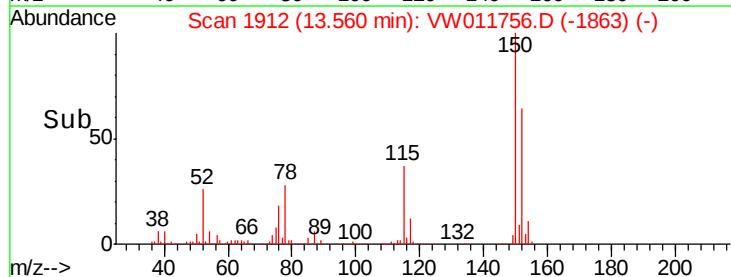
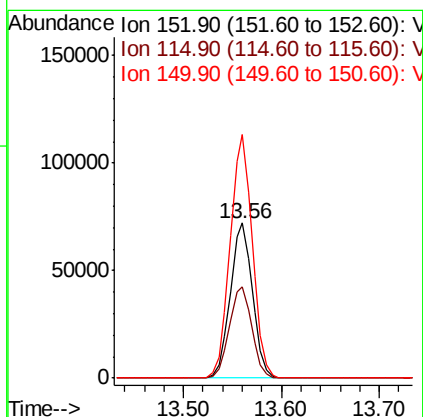
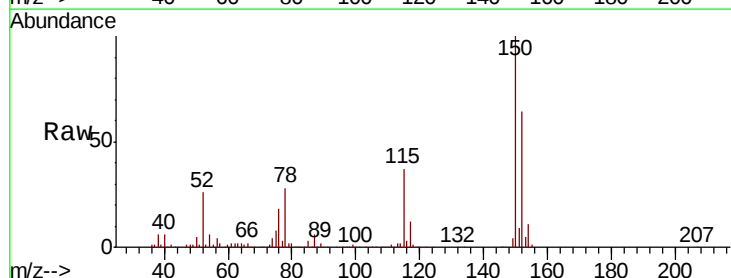
Instrument :
MSVOA_W
ClientSampled :
TP-B

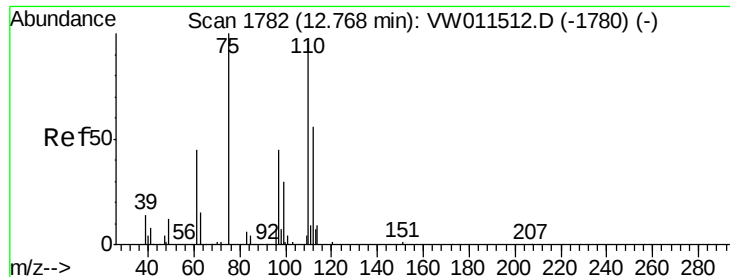
Tgt Ion:117 Resp: 289564
Ion Ratio Lower Upper
117 100
82 60.1 47.9 71.9
119 31.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011756.D
Acq: 07 Aug 2019 17:22

Tgt Ion:152 Resp: 113509
Ion Ratio Lower Upper
152 100
115 59.5 30.5 91.5
150 156.5 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 59.708 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011756.D

Acq: 07 Aug 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

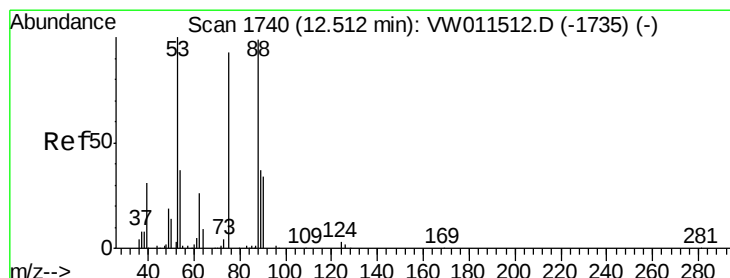
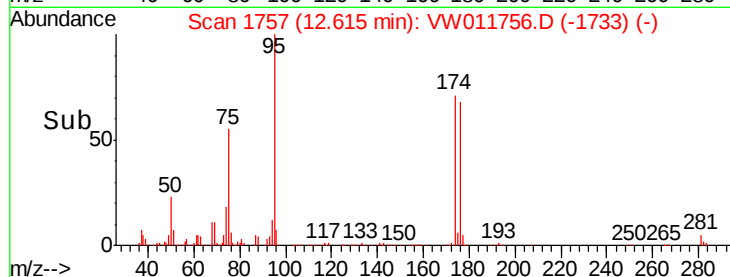
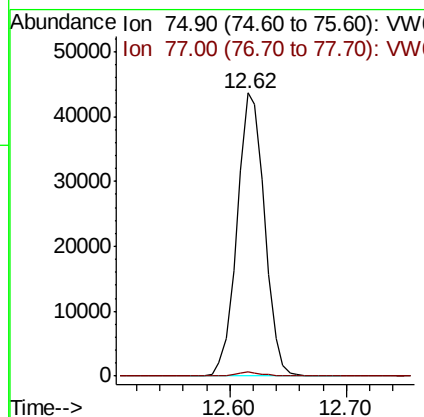
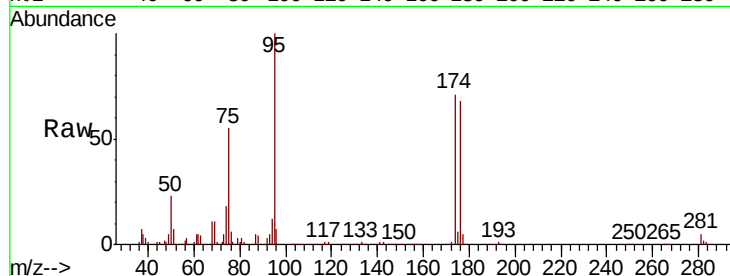
TP-B

Tgt Ion: 75 Resp: 71713

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.607 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011756.D

Acq: 07 Aug 2019 17:22

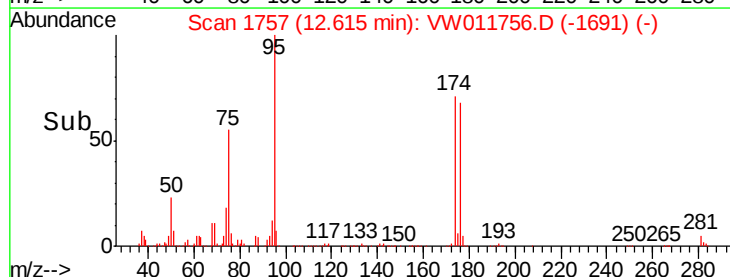
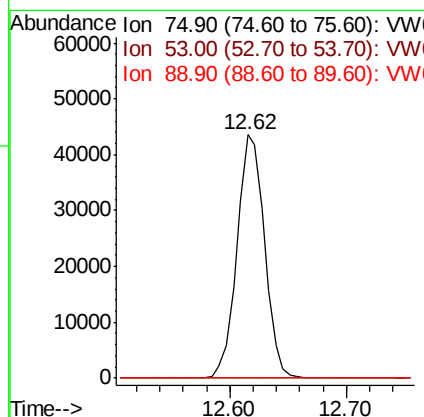
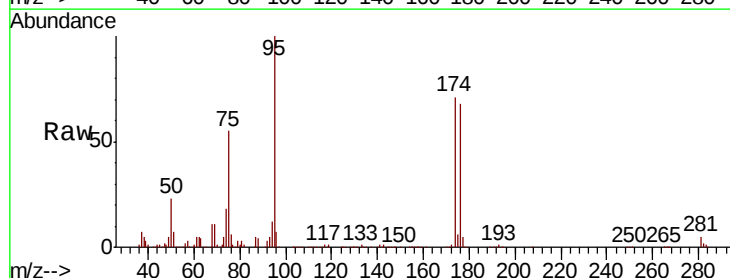
Tgt Ion: 75 Resp: 71713

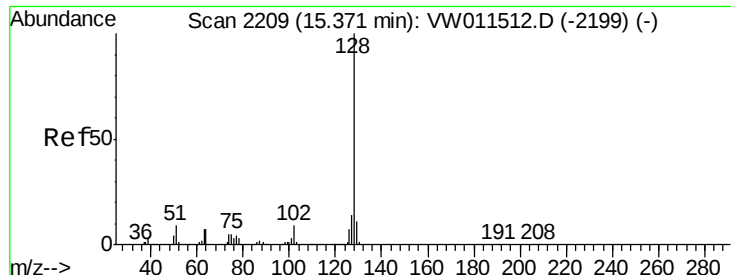
Ion Ratio Lower Upper

75 100

53 0.3 88.0 132.0#

89 0.0 35.3 52.9#

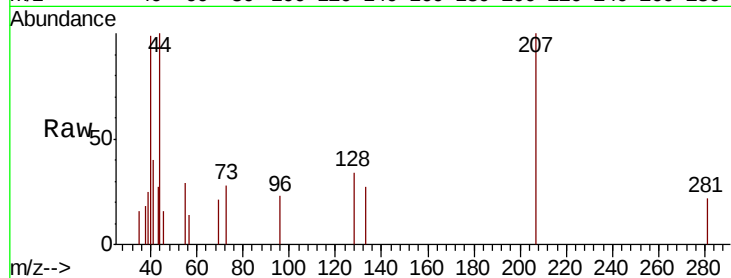




#95
Naphthalene
Concen: 2.098 ug/l
RT: 15.38 min Scan# 2211
Delta R.T. 0.01 min
Lab File: VW011756.D
Acq: 07 Aug 2019 17:22

Instrument :
MSVOA_W
ClientSampleId :
TP-B

Tgt Ion:128 Resp: 148
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

