

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011542.D
 Acq On : 27 Jul 2019 02:36
 Operator : SY/VA
 Sample : K3990-08
 Misc : 4.96G/5.0ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-B

Quant Time: Jul 27 05:36:46 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	274171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	461200	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	396246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155235	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	178506	56.70	ug/l	0.00
Spiked Amount			Recovery	=	113.40%	
35) Dibromofluoromethane	7.88	113	139844	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
50) Toluene-d8	10.32	98	576891	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	
62) 4-Bromofluorobenzene	12.62	95	185838	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	

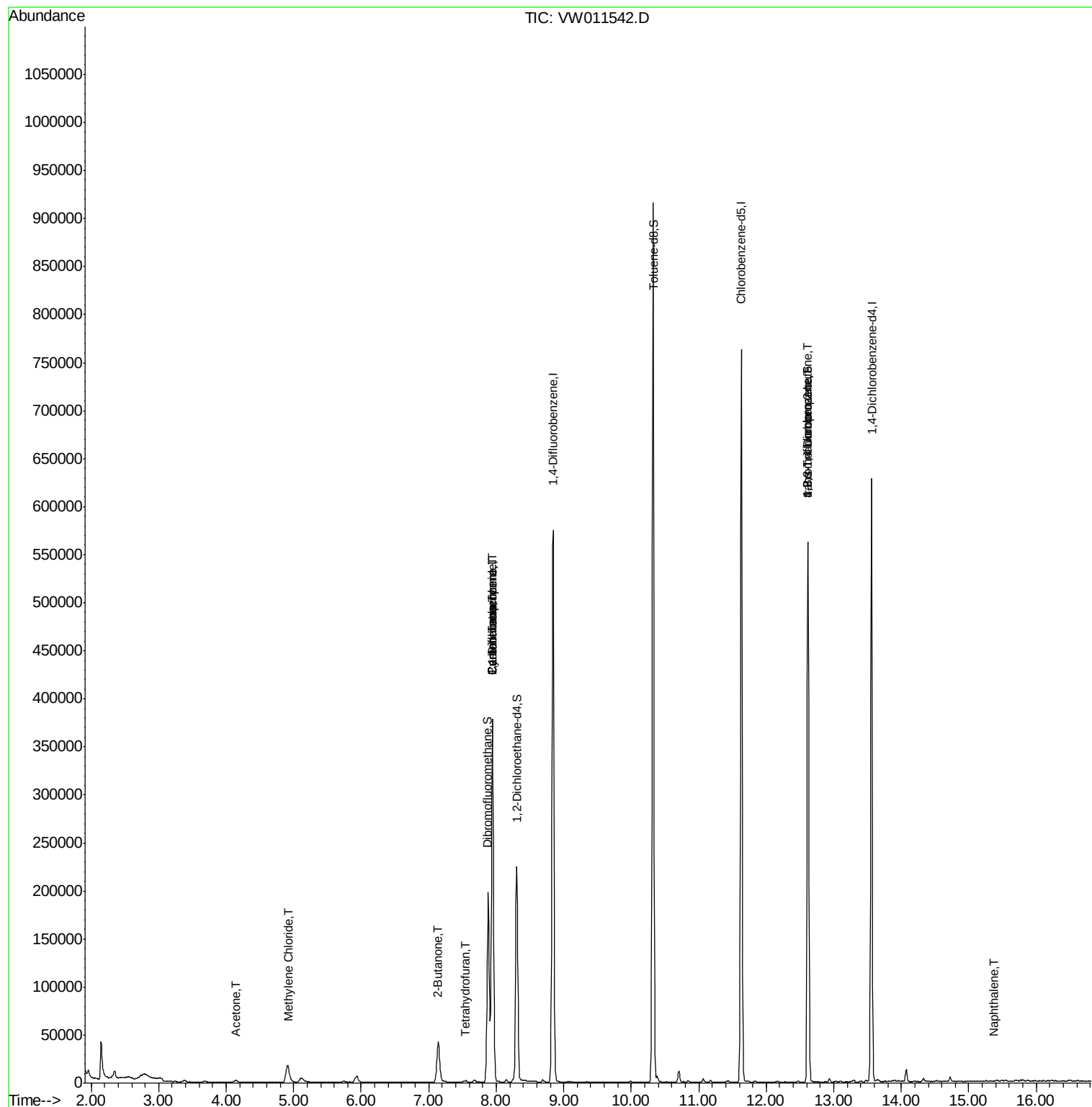
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.10	59	2011	Below Cal	#	74
16) Acetone	4.14	43	3332	3.327	ug/l #	77
20) Methylene Chloride	4.92	84	12831	3.715	ug/l	95
25) 2-Butanone	7.15	43	3066	2.340	ug/l #	72
29) Tetrahydrofuran	7.54	42	1718	2.294	ug/l #	90
31) Cyclohexane	7.94	56	6922	1.176	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	24305	5.068	ug/l #	51
38) Carbon Tetrachloride	7.95	117	27944	6.807	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	98682	60.078	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	98682	138.459	ug/l #	6
95) Naphthalene	15.37	128	307	2.114	ug/l #	69

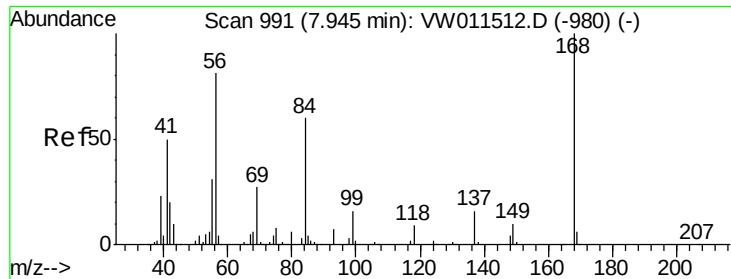
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011542.D

Acq: 27 Jul 2019 02:36

Instrument :

MSVOA_W

ClientSampleId :

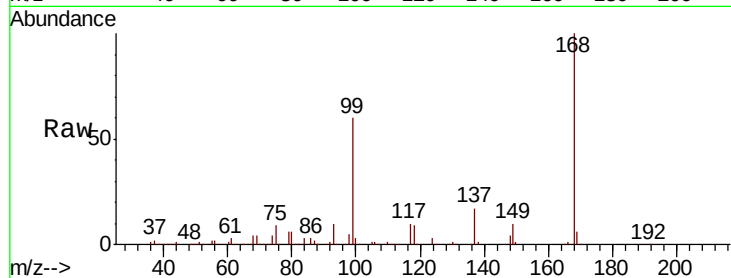
TP-5-B

Tot Ion:168 Resp: 274171

Ion Ratio Lower Upper

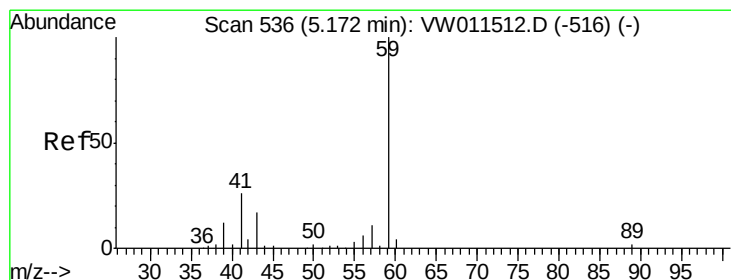
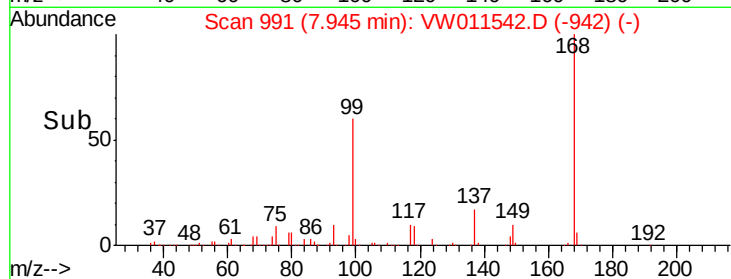
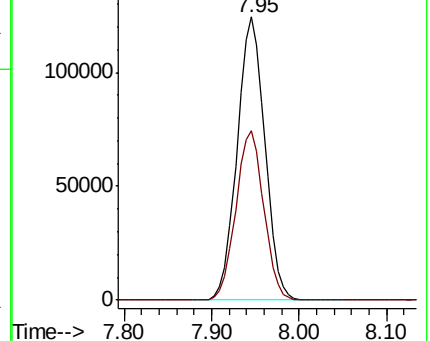
168 100

99 59.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.10 min Scan# 525

Delta R.T. -0.07 min

Lab File: VW011542.D

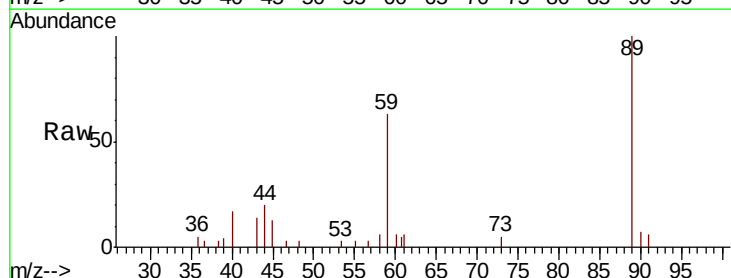
Acq: 27 Jul 2019 02:36

Tgt Ion: 59 Resp: 2011

Ion Ratio Lower Upper

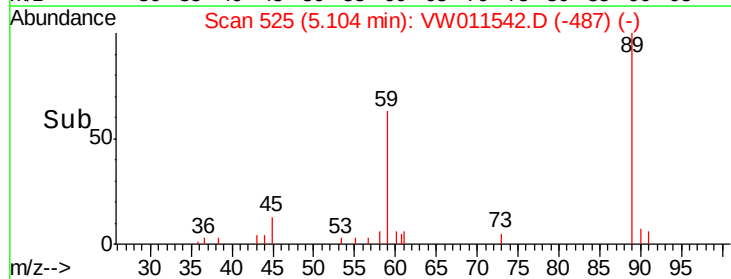
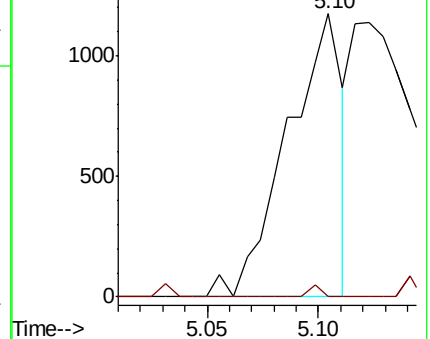
59 100

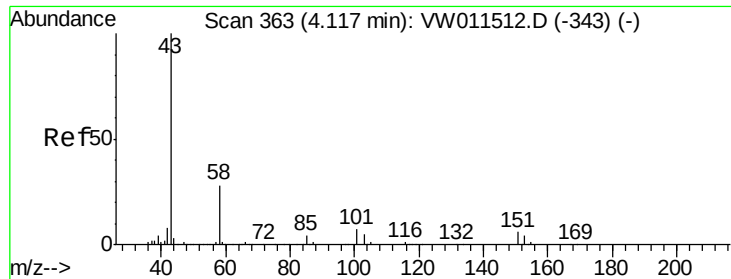
57 0.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.327 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011542.D

Acq: 27 Jul 2019 02:36

Instrument :

MSVOA_W

ClientSampleId :

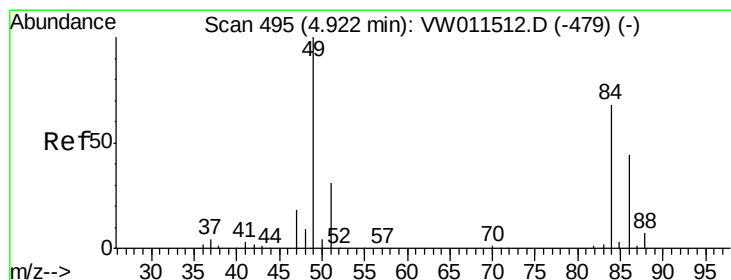
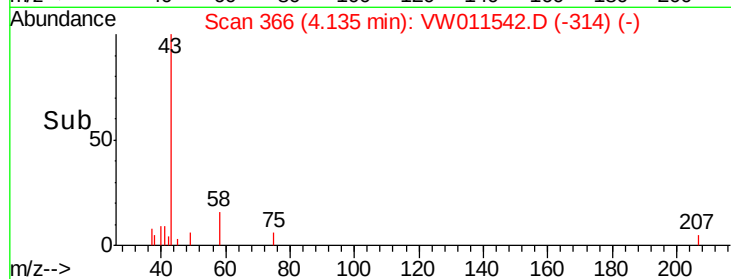
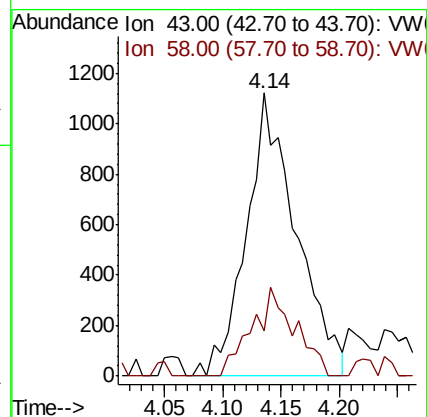
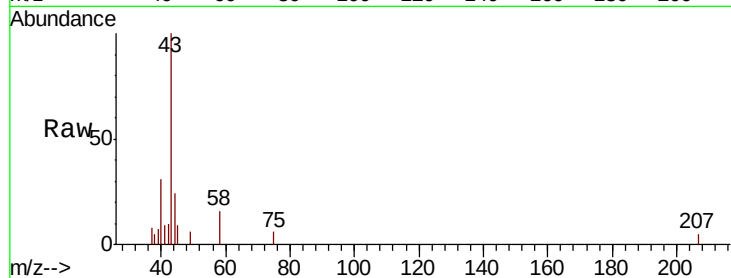
TP-5-B

Tot Ion: 43 Resp: 3332

Ion Ratio Lower Upper

43 100

58 15.8 22.3 33.5#



#20

Methylene Chloride

Concen: 3.715 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011542.D

Acq: 27 Jul 2019 02:36

Tgt Ion: 84 Resp: 12831

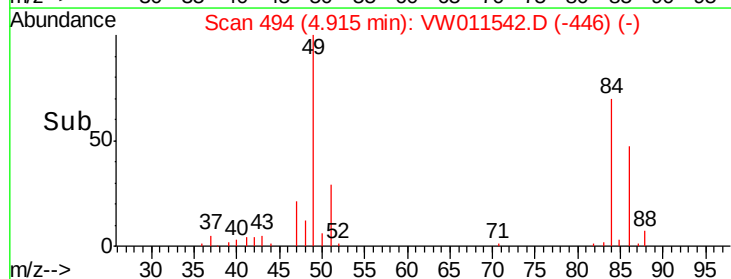
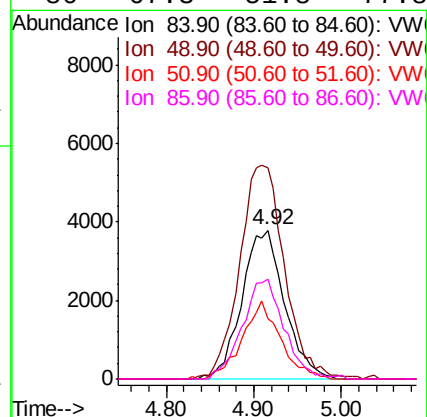
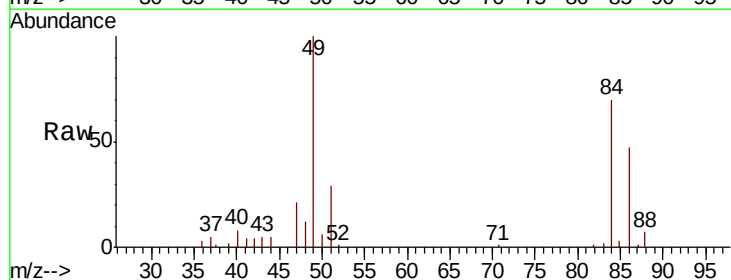
Ion Ratio Lower Upper

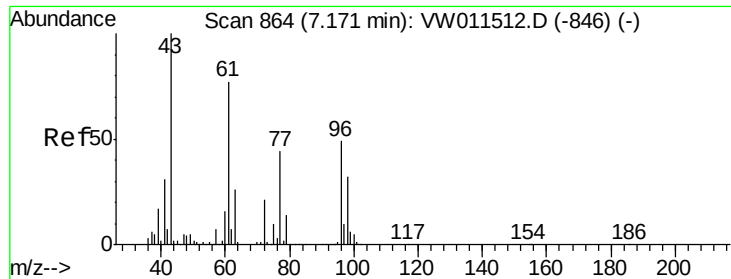
84 100

49 142.0 117.8 176.6

51 40.5 37.0 55.4

86 67.3 51.8 77.8





#25

2-Butanone

Concen: 2.340 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011542.D

Acq: 27 Jul 2019 02:36

Instrument :

MSVOA_W

ClientSampled :

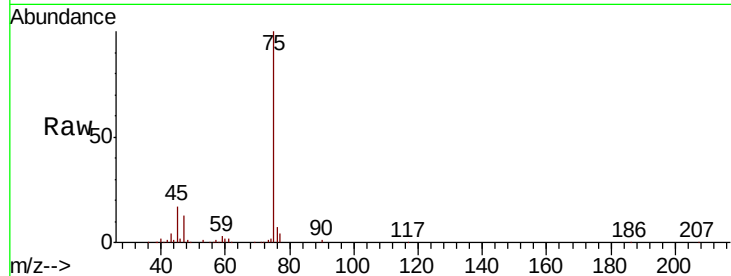
TP-5-B

Tot Ion: 43 Resp: 3066

Ion Ratio Lower Upper

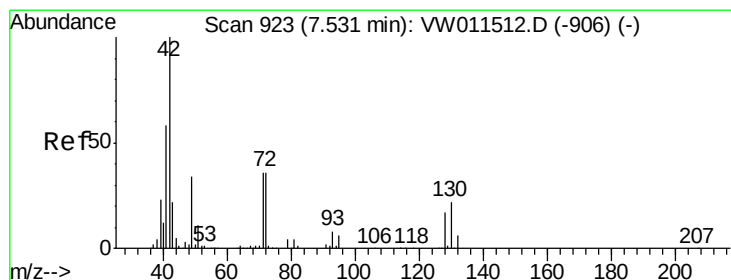
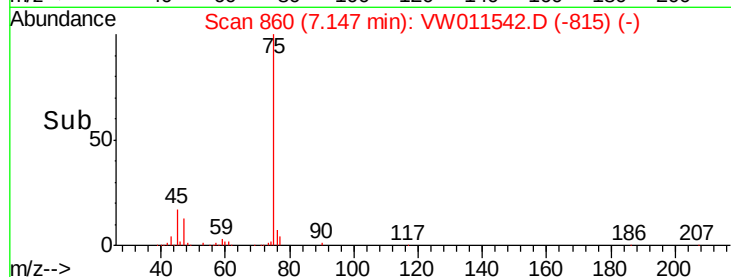
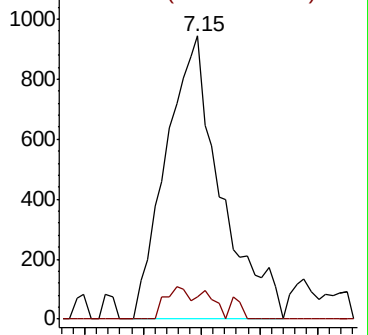
43 100

72 7.7 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 2.294 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW011542.D

Acq: 27 Jul 2019 02:36

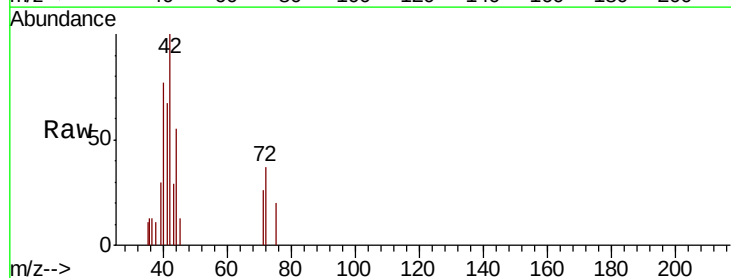
Tgt Ion: 42 Resp: 1718

Ion Ratio Lower Upper

42 100

72 33.0 27.1 40.7

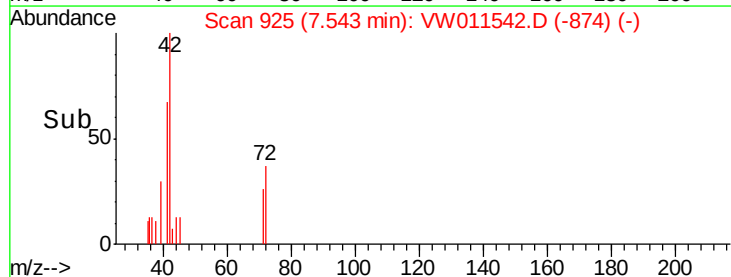
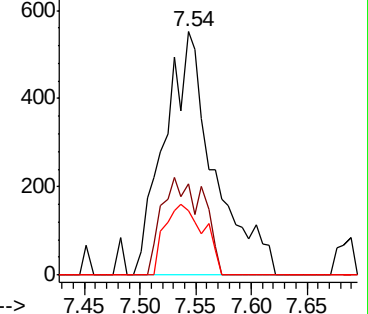
71 22.5 26.2 39.4#

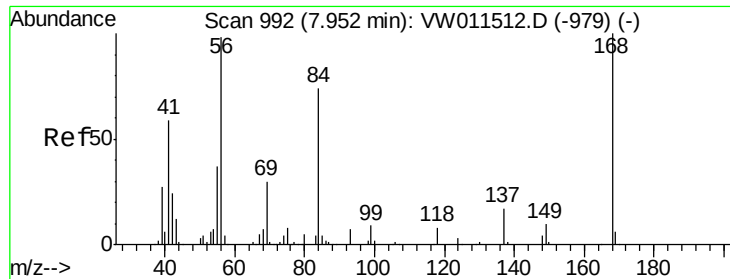


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

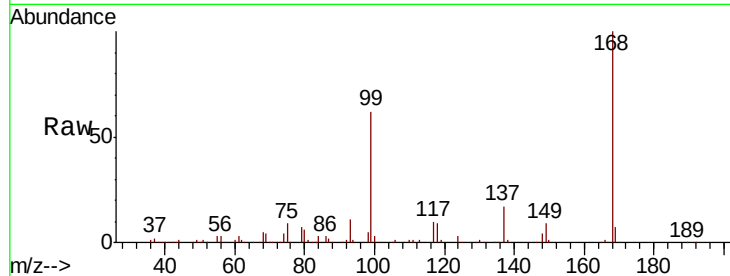




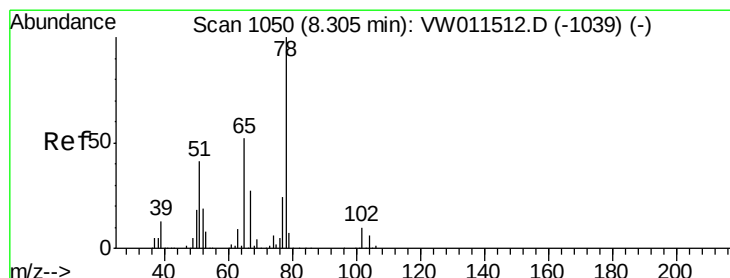
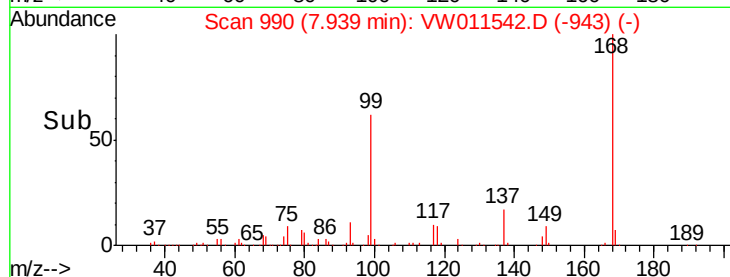
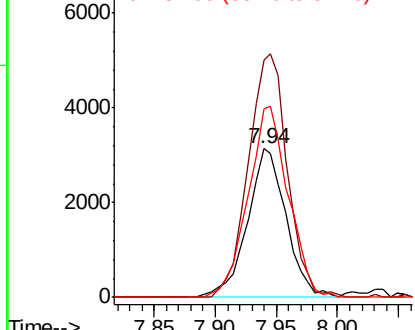
#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011542.D
Acq: 27 Jul 2019 02:36

Instrument :
MSVOA_W
ClientSampled :
TP-5-B

Tot Ion: 56 Resp: 6922
Ion Ratio Lower Upper
56 100
69 160.2 24.3 36.5#
84 127.3 60.4 90.6#

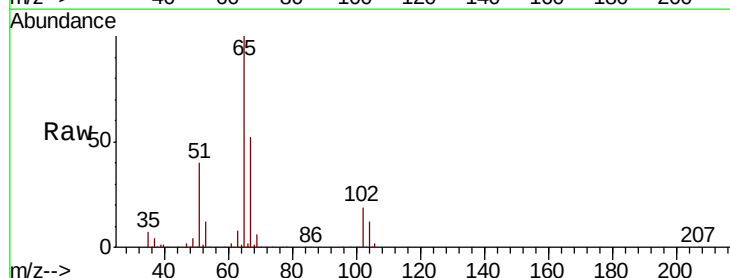


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

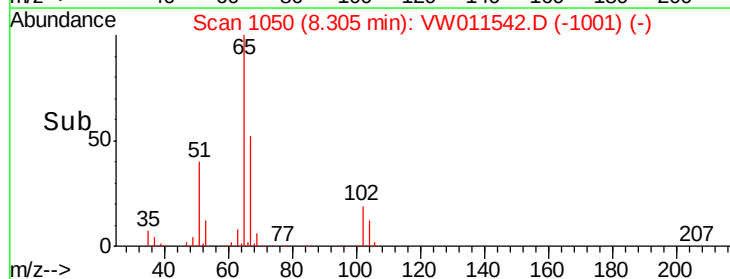
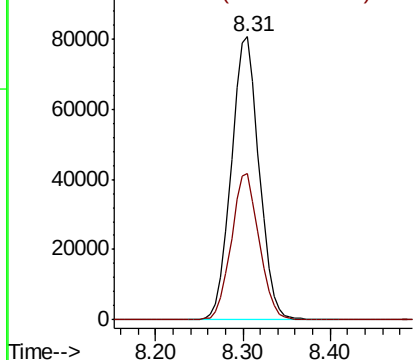


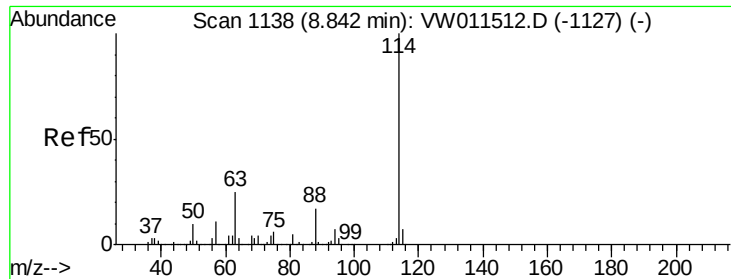
#33
1,2-Dichloroethane-d4
Concen: 56.700 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW011542.D
Acq: 27 Jul 2019 02:36

Tgt Ion: 65 Resp: 178506
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.2



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

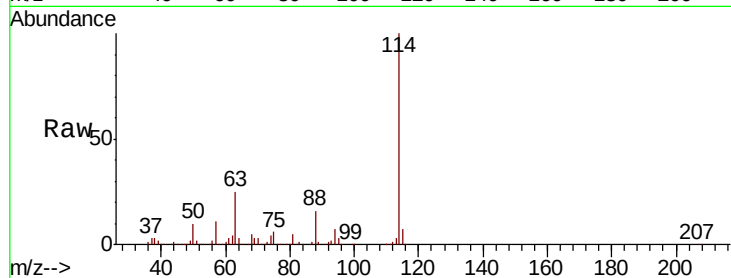




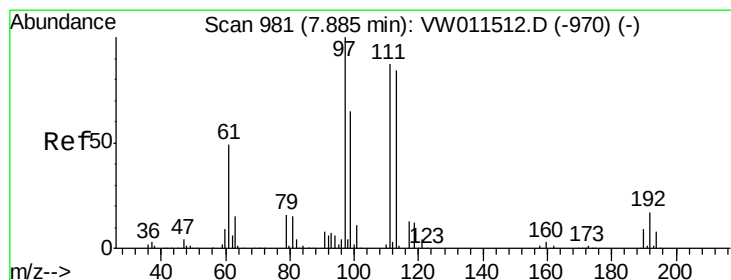
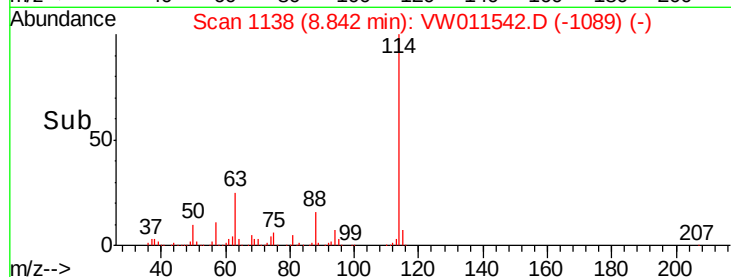
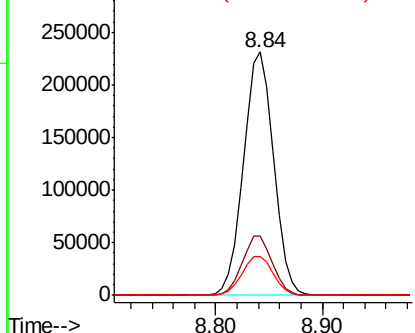
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011542.D
 Acq: 27 Jul 2019 02:36

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-B

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	49.2
88	16.2	0.0	33.8

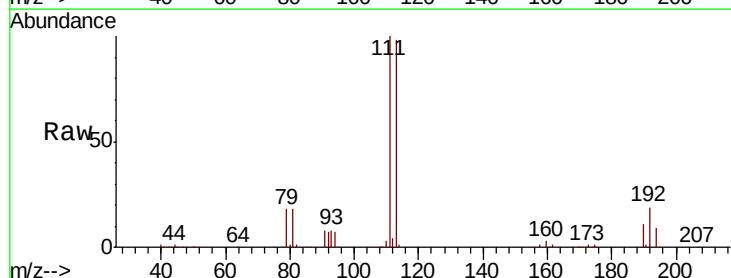


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

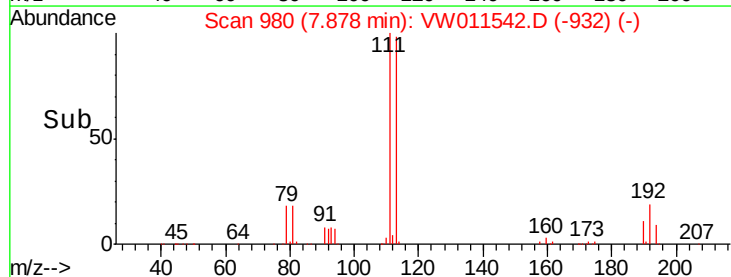
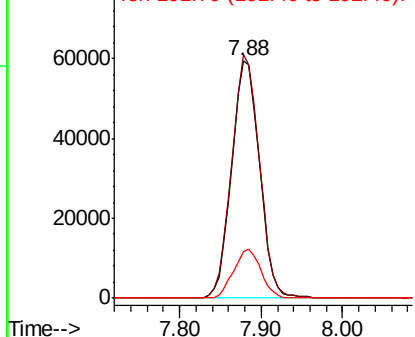


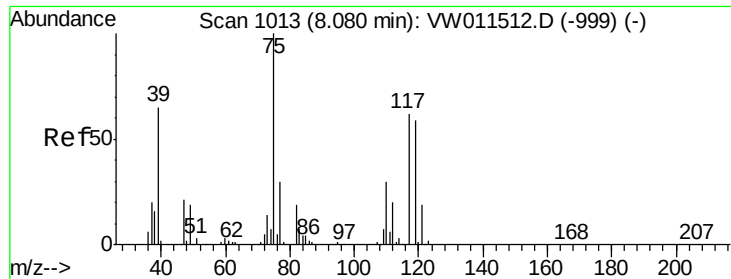
#35
 Dibromofluoromethane
 Concen: 54.048 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011542.D
 Acq: 27 Jul 2019 02:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.7	124.1
192	20.3	16.1	24.1



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

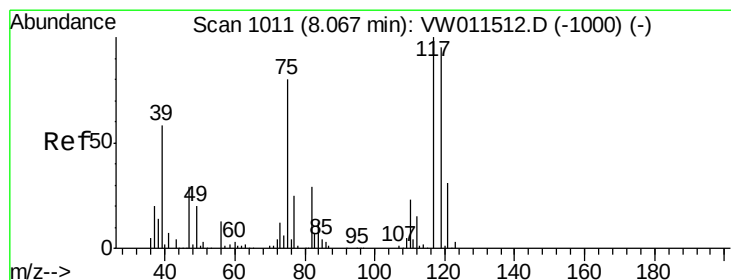
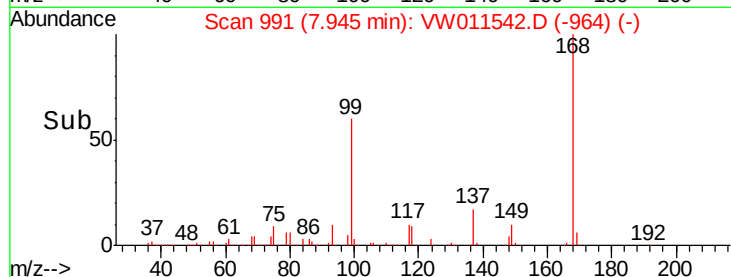
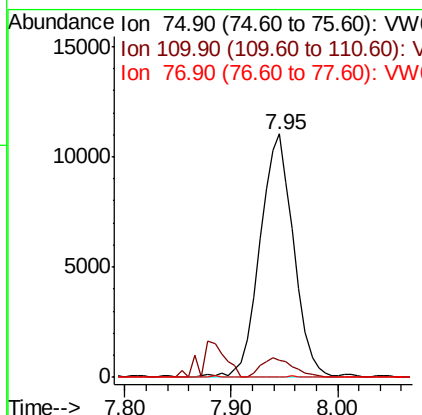
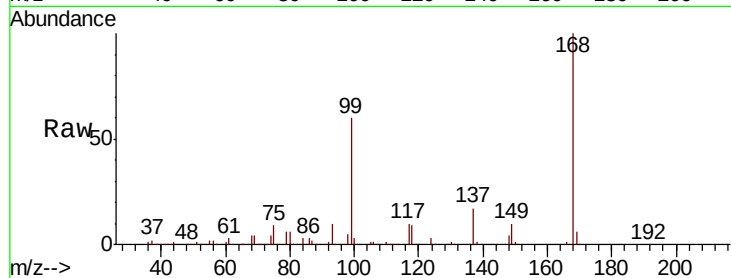




#36
 1,1-Dichloropropene
 Concen: 5.068 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011542.D
 Acq: 27 Jul 2019 02:36

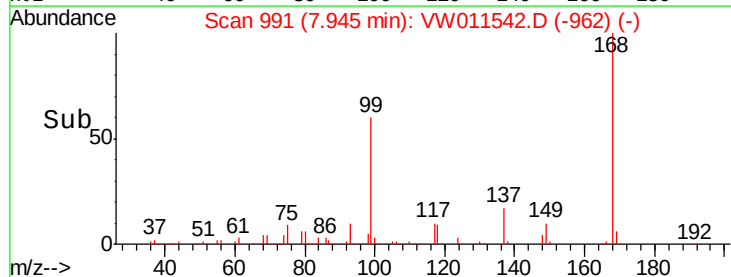
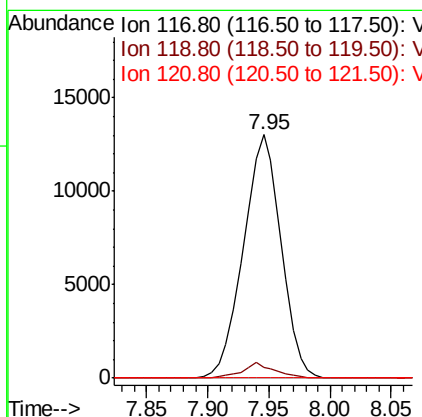
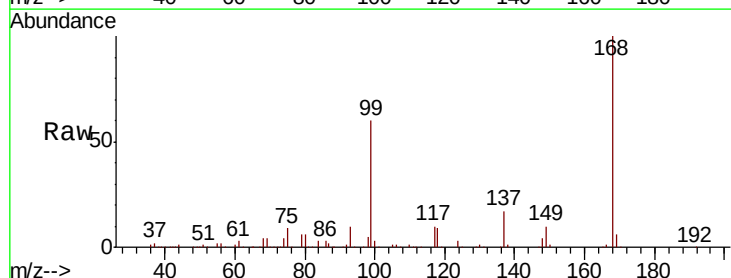
Instrument :
 MSVOA_W
 ClientSampled :
 TP-5-B

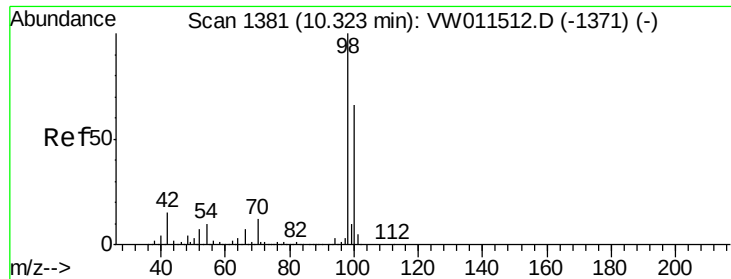
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	15.6	46.8#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.807 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011542.D
 Acq: 27 Jul 2019 02:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	75.8	113.6#
121	0.0	24.7	37.1#

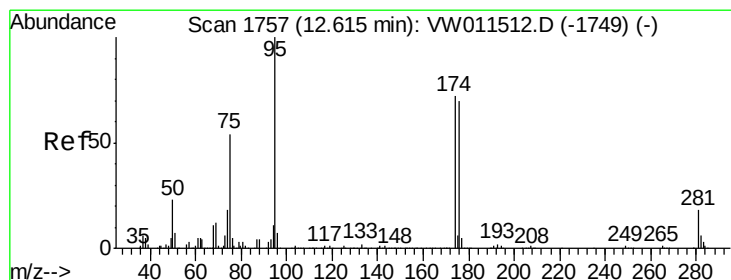
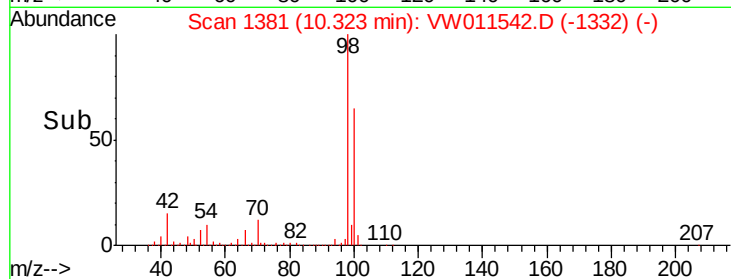
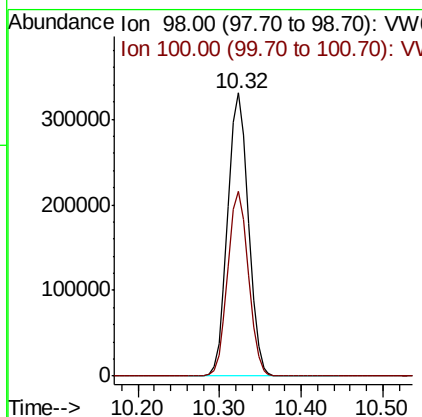
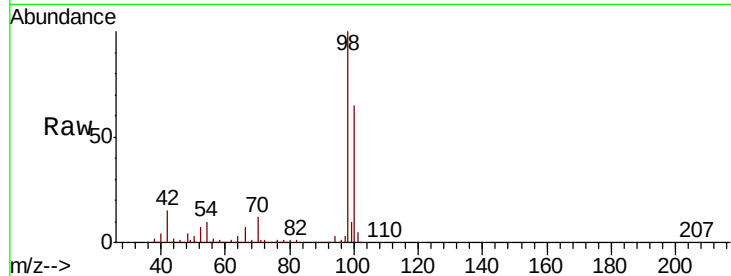




#50
Toluene-d8
Concen: 54.456 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011542.D
Acq: 27 Jul 2019 02:36

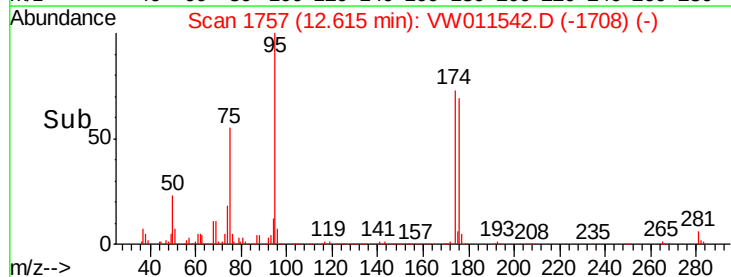
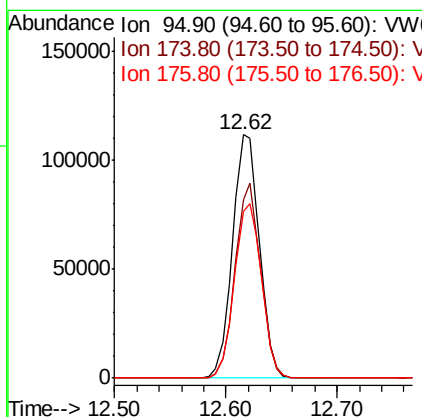
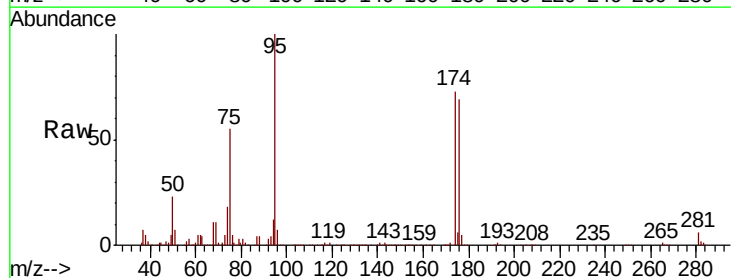
Instrument :
MSVOA_W
ClientSampleId :
TP-5-B

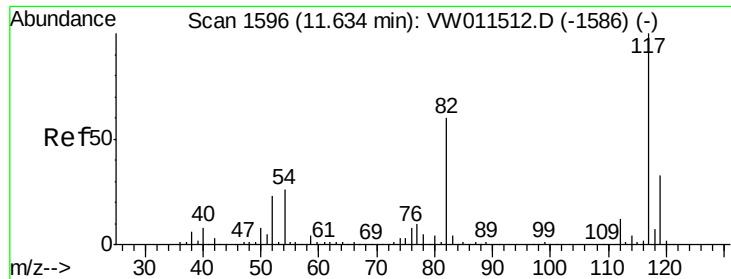
Tot Ion: 98 Resp: 576891
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 49.205 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011542.D
Acq: 27 Jul 2019 02:36

Tgt Ion: 95 Resp: 185838
Ion Ratio Lower Upper
95 100
174 76.2 0.0 150.2
176 72.4 0.0 144.4

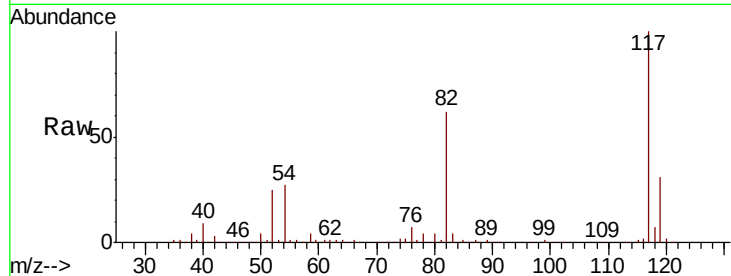




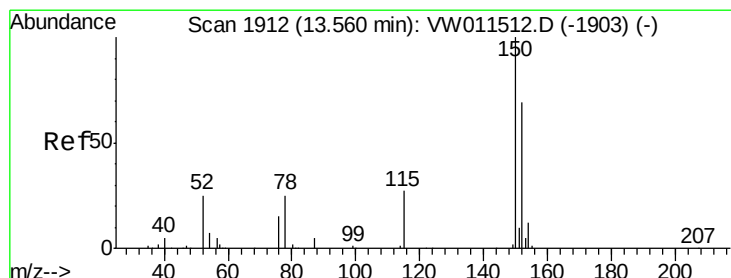
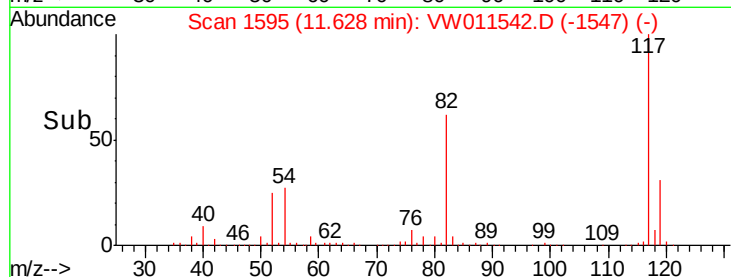
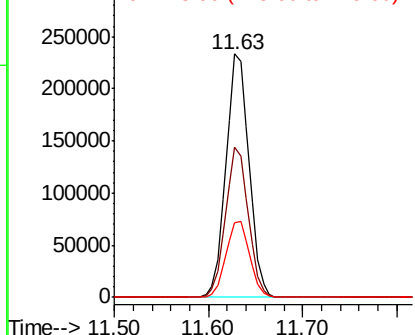
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011542.D
Acq: 27 Jul 2019 02:36

Instrument :
MSVOA_W
ClientSampled :
TP-5-B

Tot Ion:117 Resp: 396246
Ion Ratio Lower Upper
117 100
82 61.5 47.9 71.9
119 30.9 26.2 39.2

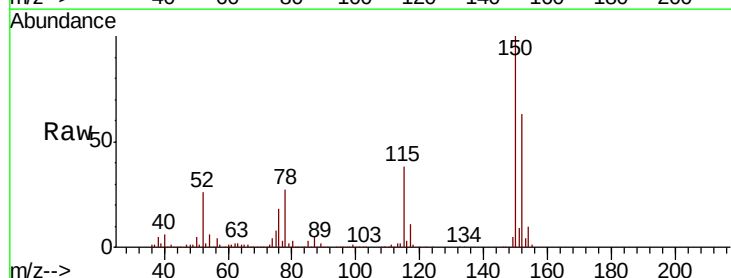


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

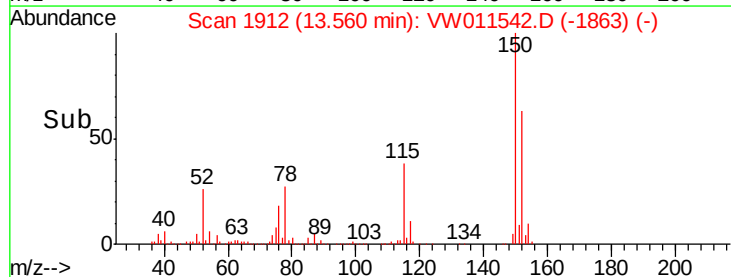
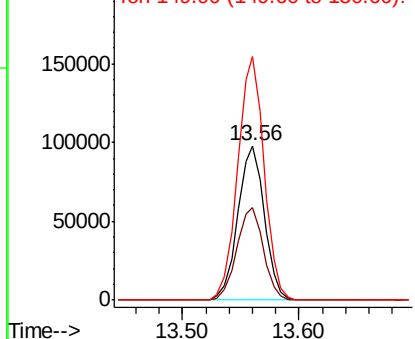


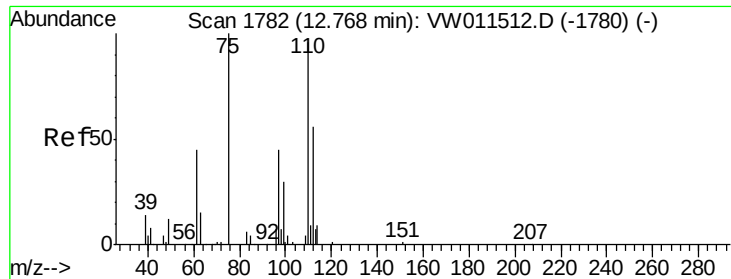
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011542.D
Acq: 27 Jul 2019 02:36

Tgt Ion:152 Resp: 155235
Ion Ratio Lower Upper
152 100
115 60.3 30.5 91.5
150 157.0 0.0 352.6



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: 60.078 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011542.D

Acq: 27 Jul 2019 02:36

Instrument :

MSVOA_W

ClientSampled :

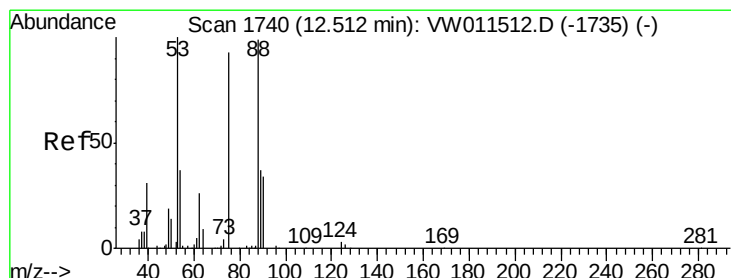
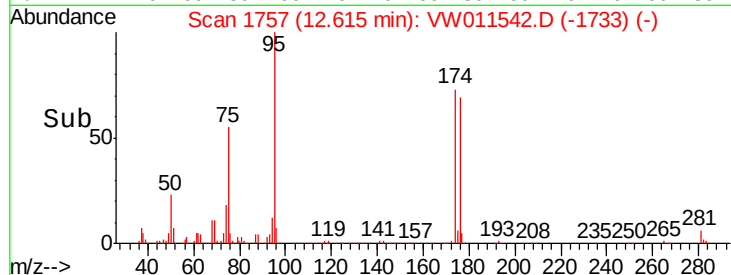
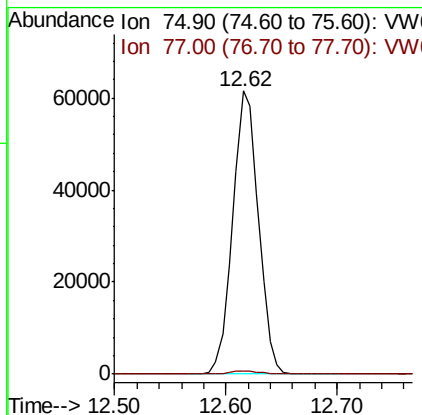
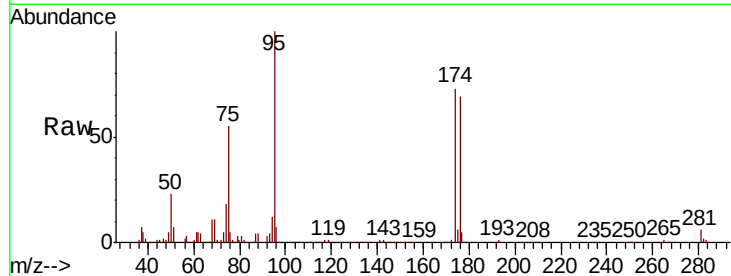
TP-5-B

Tot Ion: 75 Resp: 98682

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.459 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011542.D

Acq: 27 Jul 2019 02:36

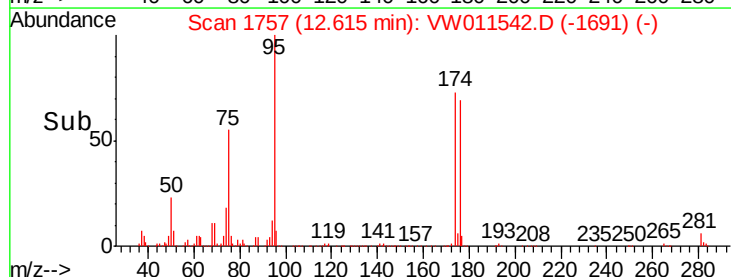
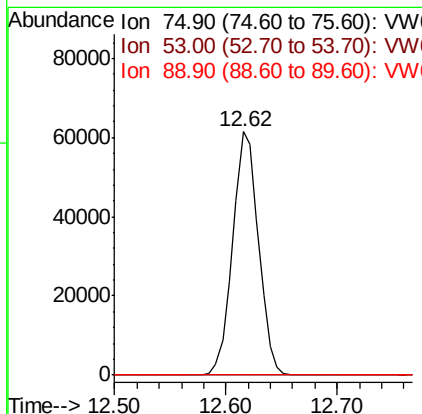
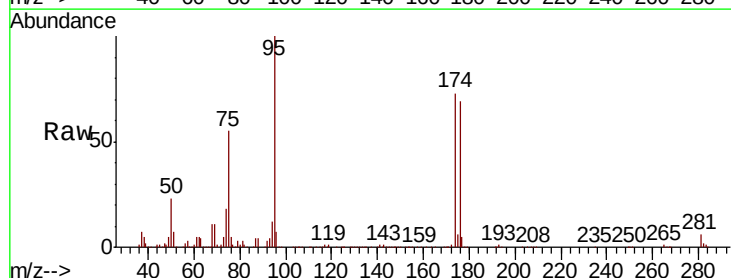
Tgt Ion: 75 Resp: 98682

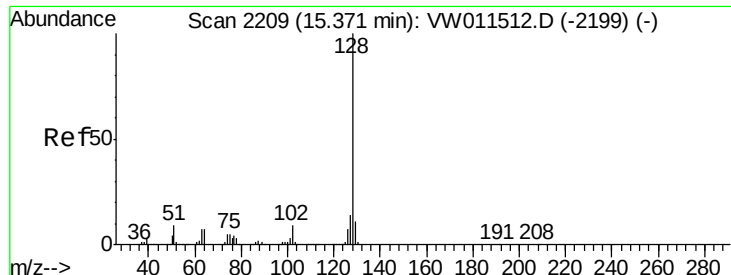
Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.114 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011542.D

Acq: 27 Jul 2019 02:36

Instrument :

MSVOA_W

ClientSampleId :

TP-5-B

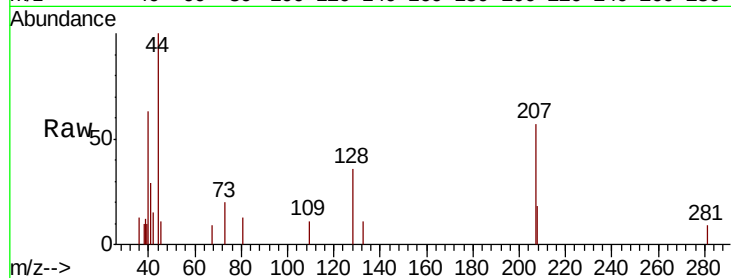
Tot Ion:128 Resp: 307

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

