

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012044.D
 Acq On : 20 Aug 2019 21:47
 Operator : SY/VA
 Sample : K4387-08
 Misc : 6.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T6-D-(2)

Quant Time: Aug 21 01:36:51 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	210504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	246867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56097	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	138736	57.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.80%	
35) Dibromofluoromethane	7.88	113	111415	55.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.42%	
50) Toluene-d8	10.32	98	402159	48.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.62	95	96787	32.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.72%	

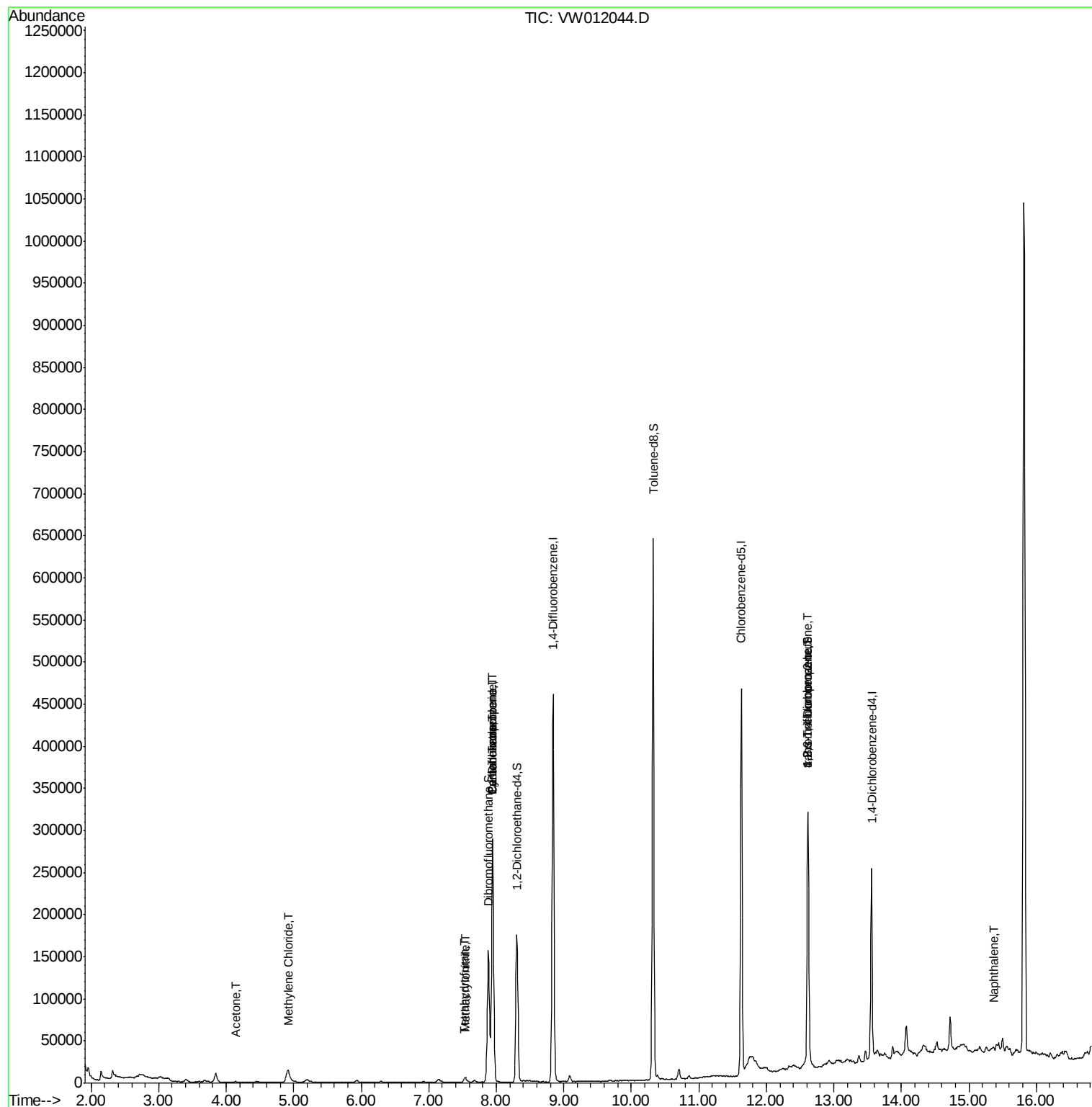
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	2250	Below Cal	#	94
16) Acetone	4.15	43	1440	1.873	ug/l #	78
20) Methylene Chloride	4.92	84	11614	4.380	ug/l	95
29) Tetrahydrofuran	7.53	42	5750	9.998	ug/l	96
31) Cyclohexane	7.95	56	5230	1.157	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17971	4.805	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21456	6.701	ug/l #	17
41) Methacrylonitrile	7.54	41	3524	2.740	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	50195	84.564	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	50195	194.892	ug/l #	6
95) Naphthalene	15.36	128	926	2.467	ug/l #	38

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012044.D

Acq: 20 Aug 2019 21:47

Instrument :

MSVOA_W

ClientSampled :

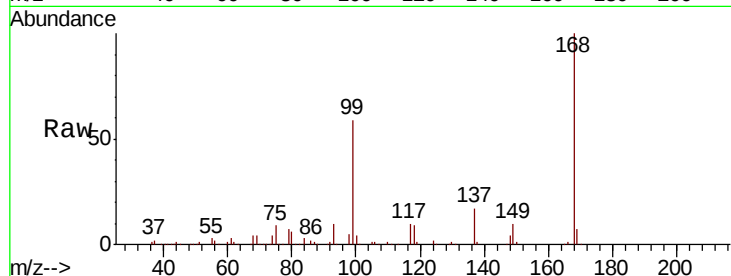
T6-D-(2)

Tgt Ion:168 Resp: 210504

Ion Ratio Lower Upper

168 100

99 59.3 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

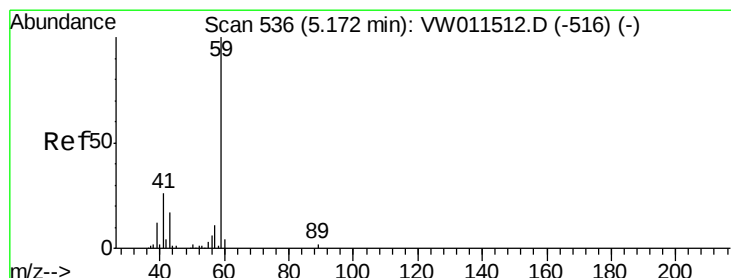
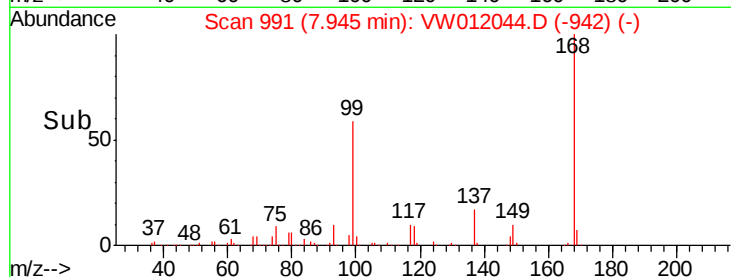
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW012044.D

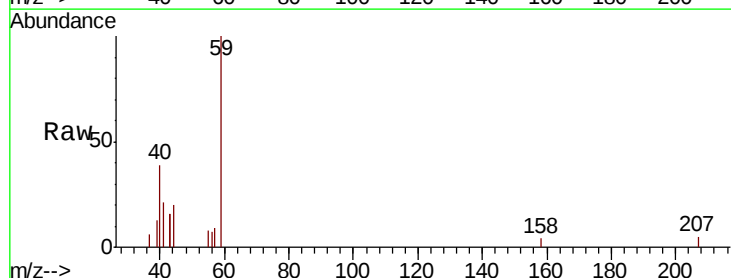
Acq: 20 Aug 2019 21:47

Tgt Ion: 59 Resp: 2250

Ion Ratio Lower Upper

59 100

57 12.8 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

1500

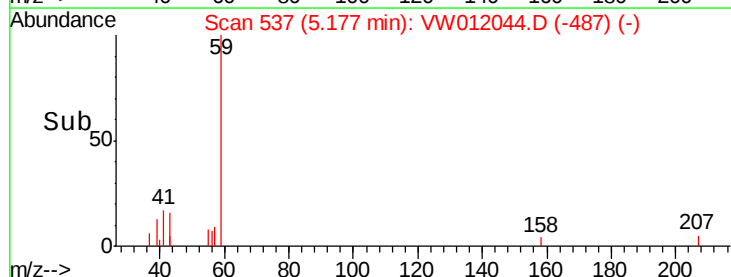
1000

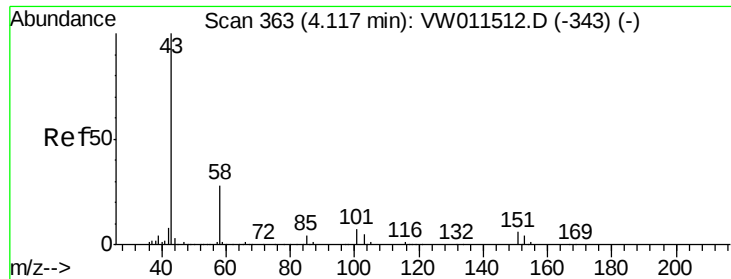
500

0

Time-->

5.10 5.15 5.20





#16

Acetone

Concen: 1.873 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW012044.D

Acq: 20 Aug 2019 21:47

Instrument :

MSVOA_W

ClientSampled :

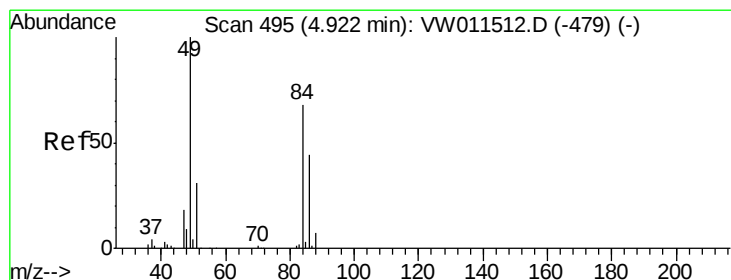
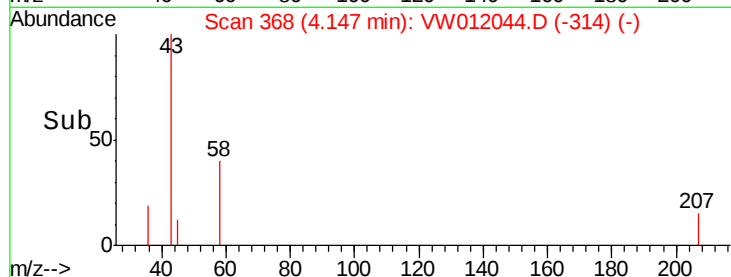
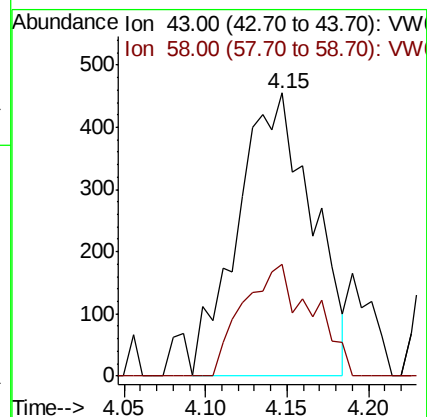
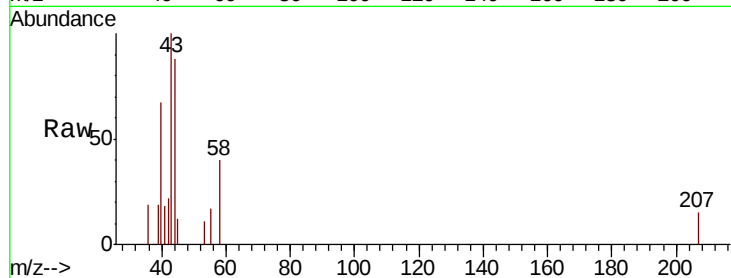
T6-D-(2)

Tgt Ion: 43 Resp: 1440

Ion Ratio Lower Upper

43 100

58 39.6 22.3 33.5#



#20

Methylene Chloride

Concen: 4.380 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012044.D

Acq: 20 Aug 2019 21:47

Tgt Ion: 84 Resp: 11614

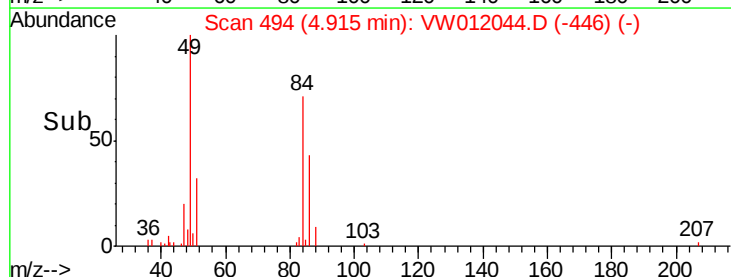
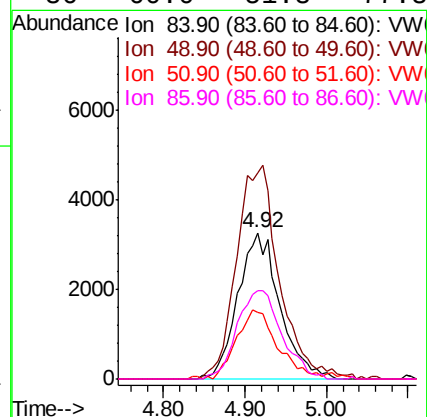
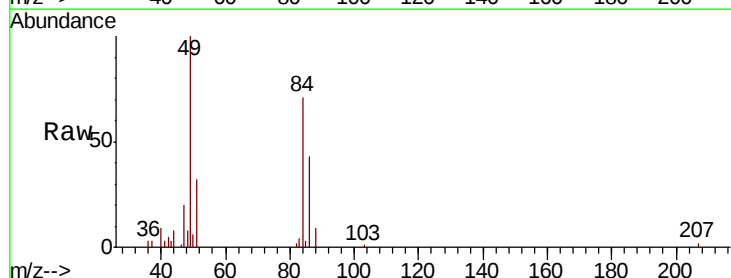
Ion Ratio Lower Upper

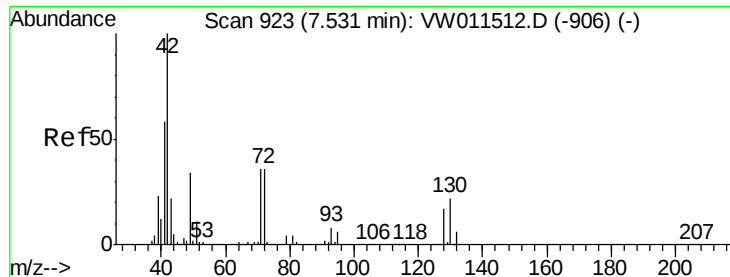
84 100

49 140.6 117.8 176.6

51 43.4 37.0 55.4

86 60.0 51.8 77.8





#29

Tetrahydrofuran

Concen: 9.998 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012044.D

Acq: 20 Aug 2019 21:47

Instrument :

MSVOA_W

ClientSampleId :

T6-D-(2)

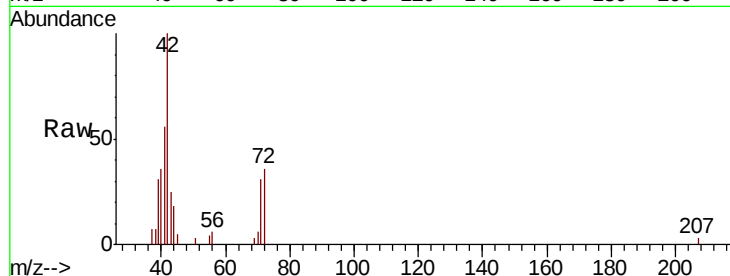
Tgt Ion: 42 Resp: 5750

Ion Ratio Lower Upper

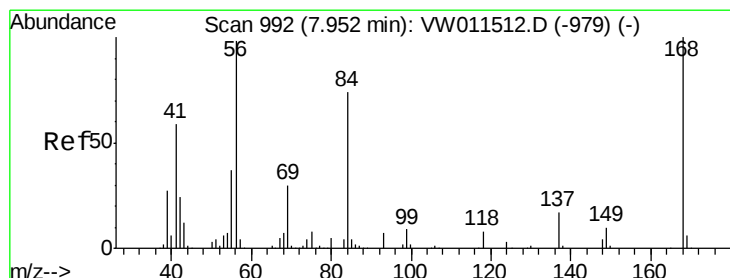
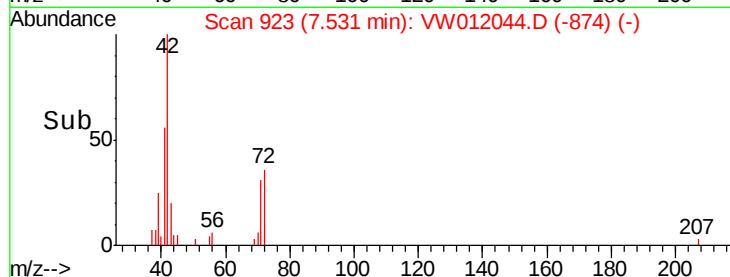
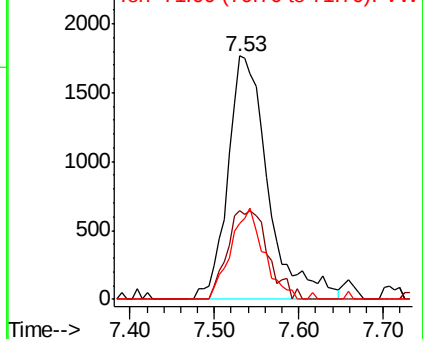
42 100

72 36.5 27.1 40.7

71 30.5 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: 1.157 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012044.D

Acq: 20 Aug 2019 21:47

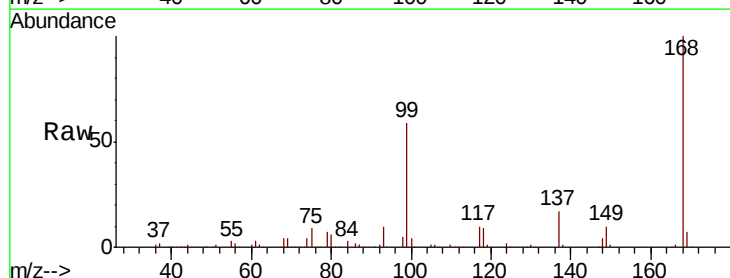
Tgt Ion: 56 Resp: 5230

Ion Ratio Lower Upper

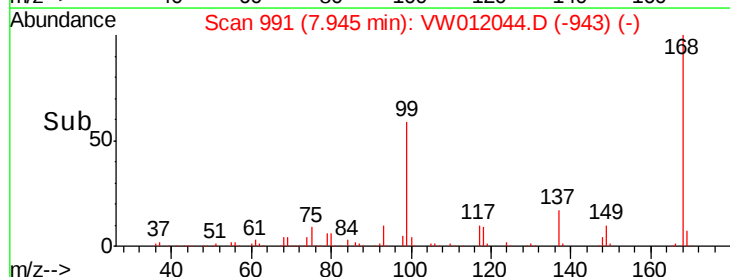
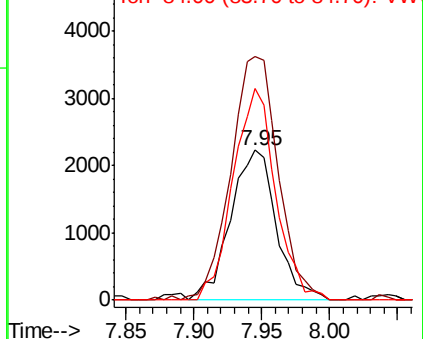
56 100

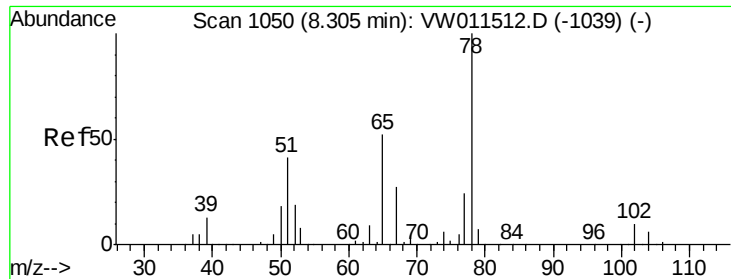
69 162.7 24.3 36.5#

84 141.1 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

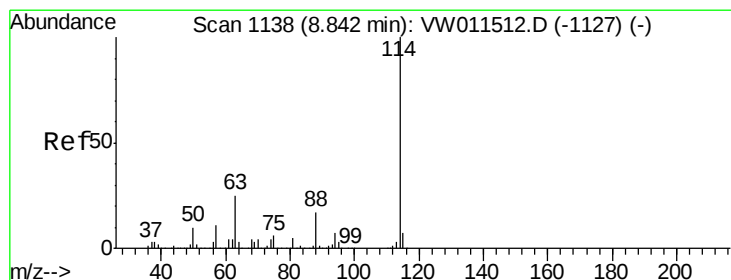
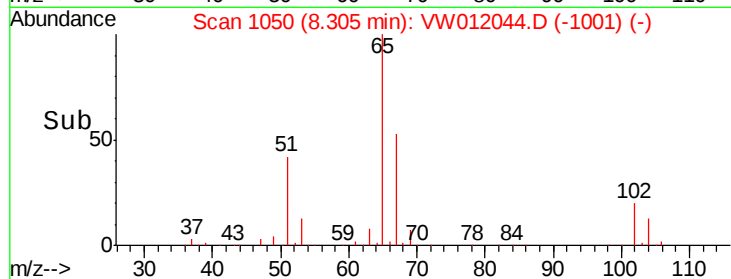
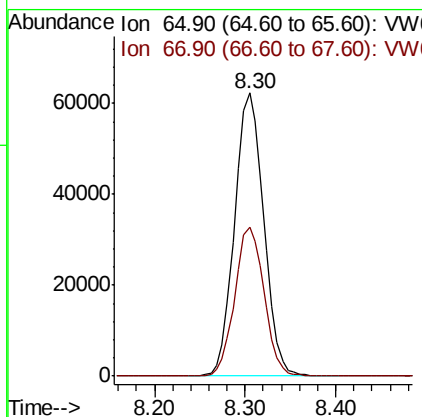
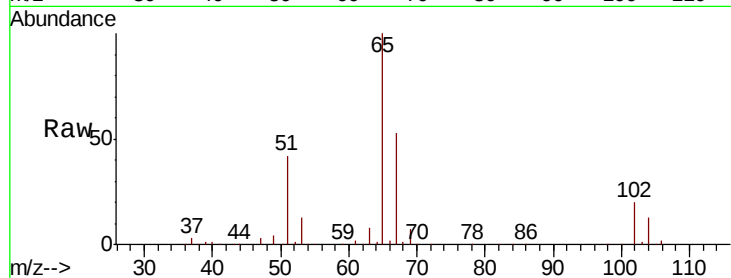




#33
 1,2-Dichloroethane-d4
 Concen: 57.396 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012044.D
 Acq: 20 Aug 2019 21:47

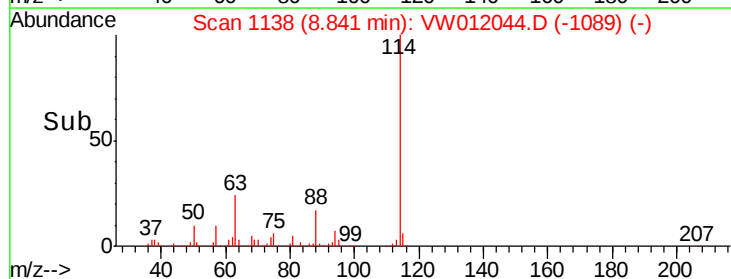
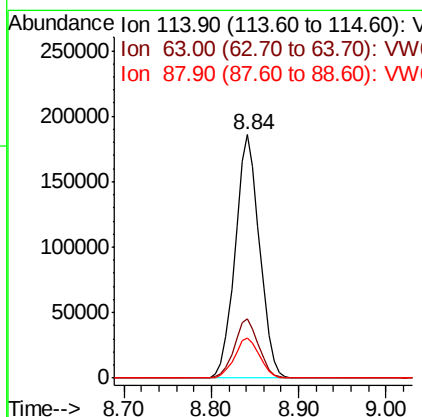
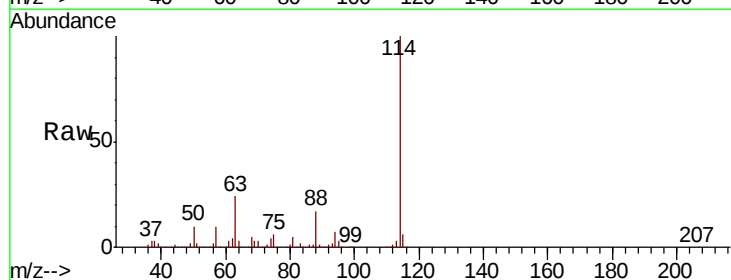
Instrument :
 MSVOA_W
 ClientSampleId :
 T6-D-(2)

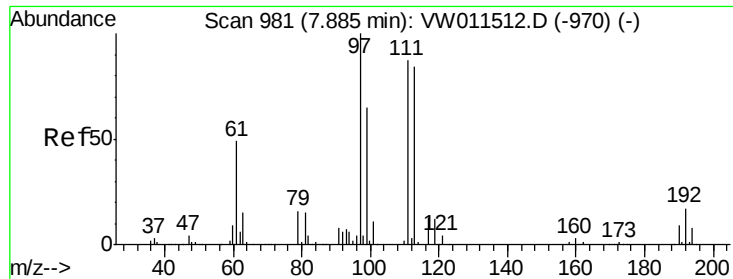
Tgt Ion: 65 Resp: 138736
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012044.D
 Acq: 20 Aug 2019 21:47

Tgt Ion: 114 Resp: 359684
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 16.6 0.0 33.8

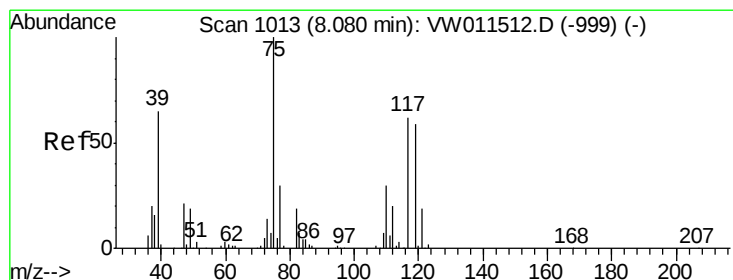
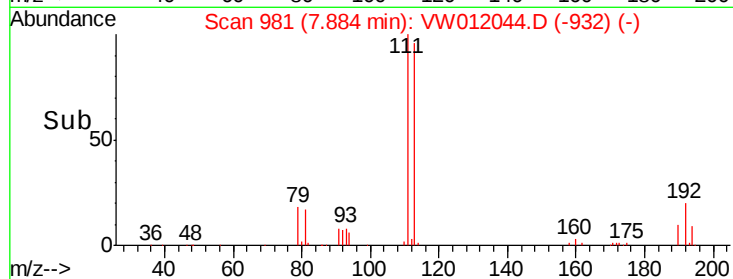
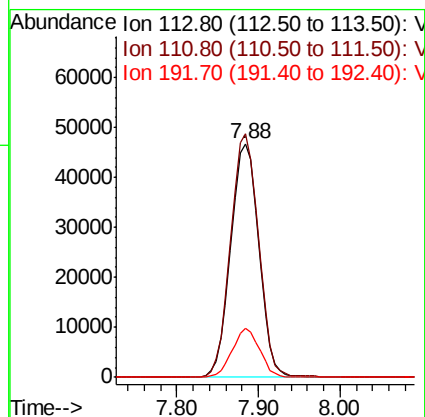
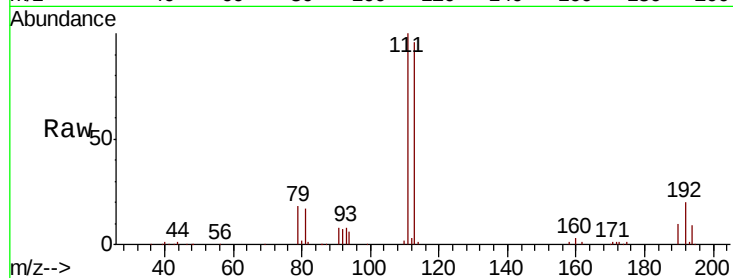




#35
 Dibromofluoromethane
 Concen: 55.214 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012044.D
 Acq: 20 Aug 2019 21:47

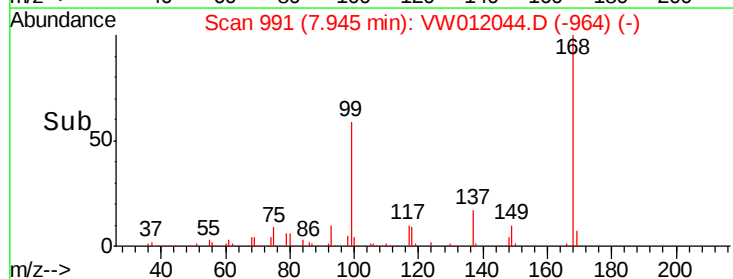
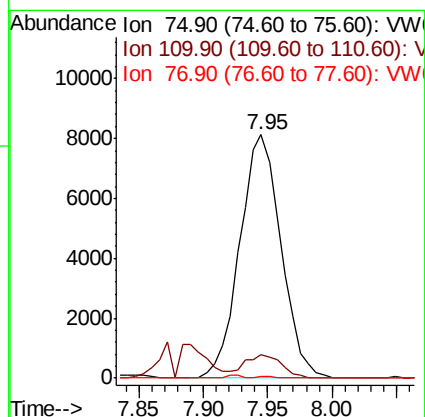
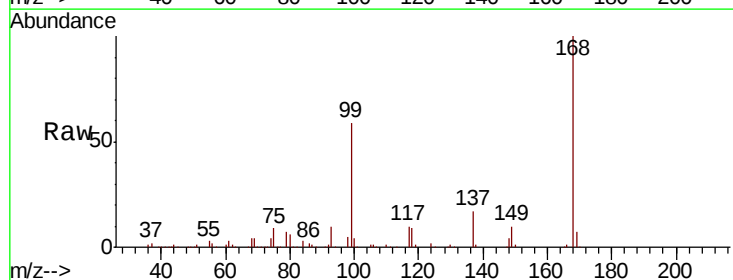
Instrument :
 MSVOA_W
 ClientSampleId :
 T6-D-(2)

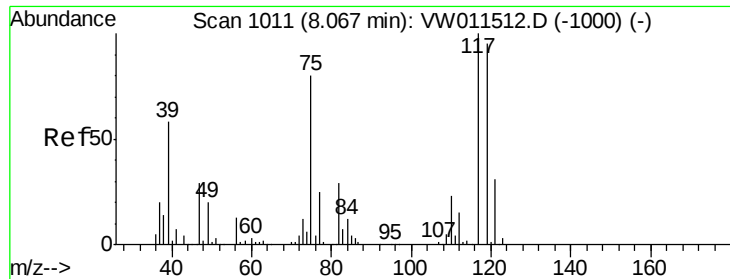
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.7	124.1
192	20.3	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 4.805 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012044.D
 Acq: 20 Aug 2019 21:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.6	46.8#
77	0.2	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 6.701 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012044.D

Acq: 20 Aug 2019 21:47

Instrument :

MSVOA_W

ClientSampleId :

T6-D-(2)

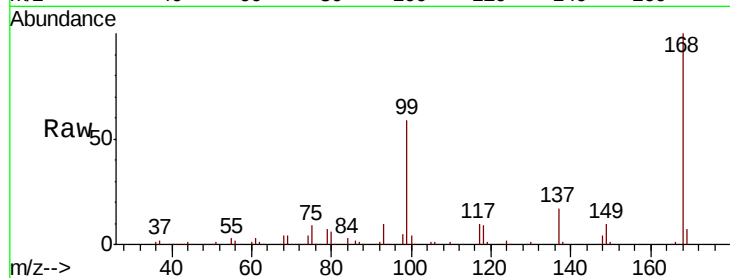
Tgt Ion: 117 Resp: 21456

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

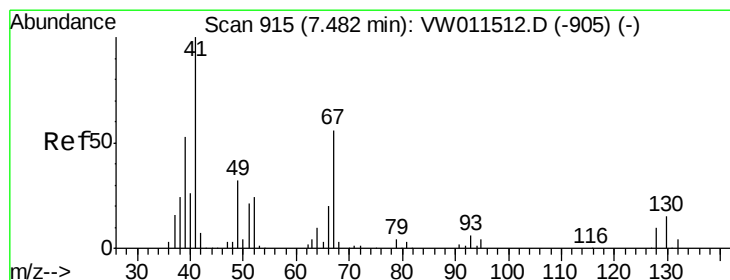
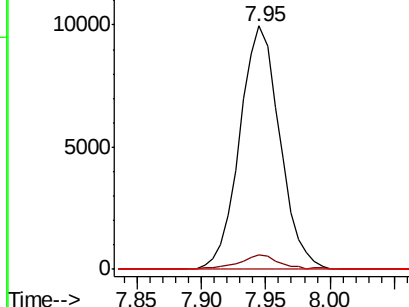
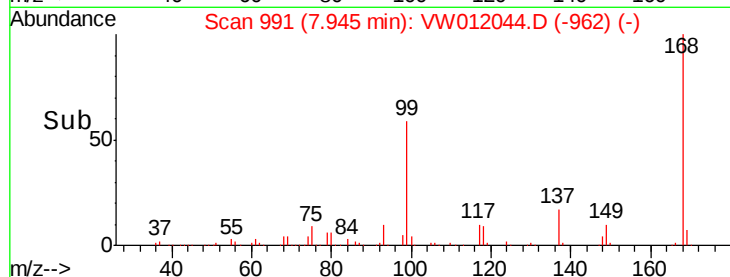
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 2.740 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012044.D

Acq: 20 Aug 2019 21:47

Tgt Ion: 41 Resp: 3524

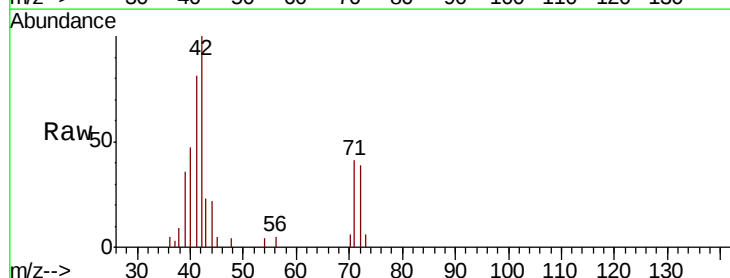
Ion Ratio Lower Upper

41 100

39 49.4 43.0 64.4

67 0.7 47.5 71.3#

52 0.0 21.0 31.6#

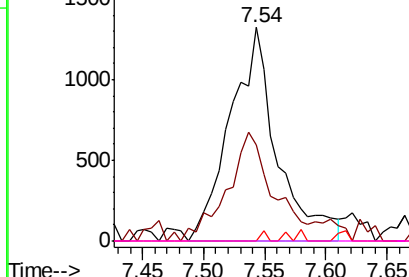
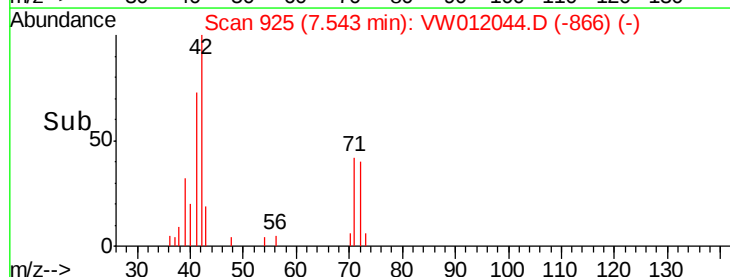


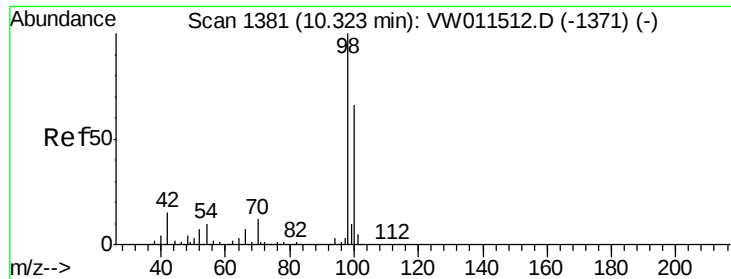
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 48.677 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012044.D

Acq: 20 Aug 2019 21:47

Instrument :

MSVOA_W

ClientSampled :

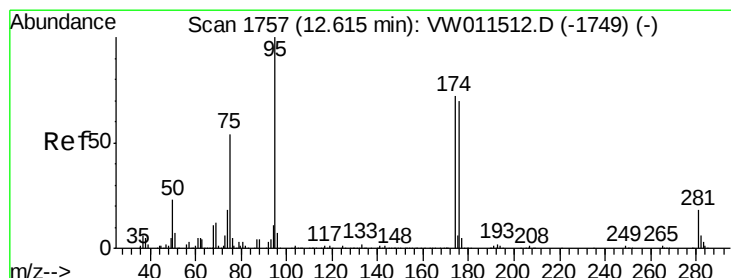
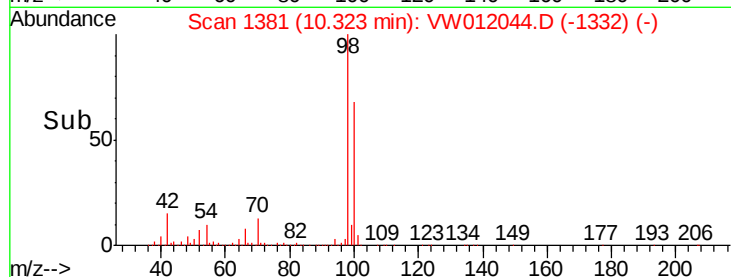
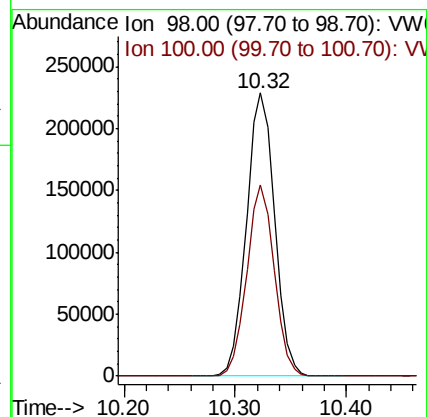
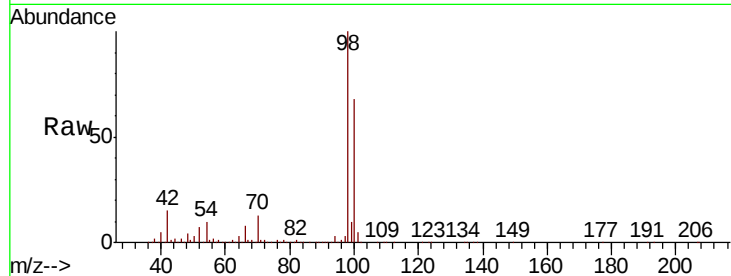
T6-D-(2)

Tgt Ion: 98 Resp: 402159

Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 32.859 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012044.D

Acq: 20 Aug 2019 21:47

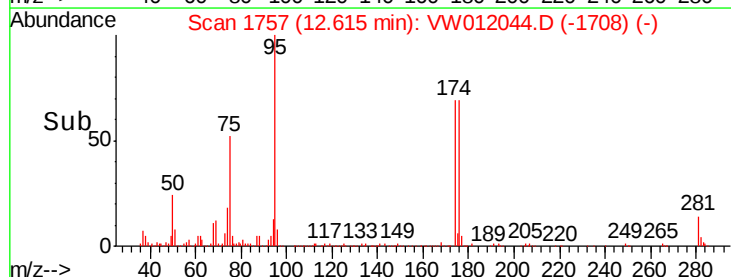
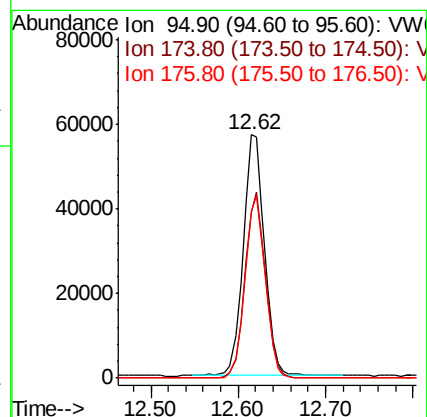
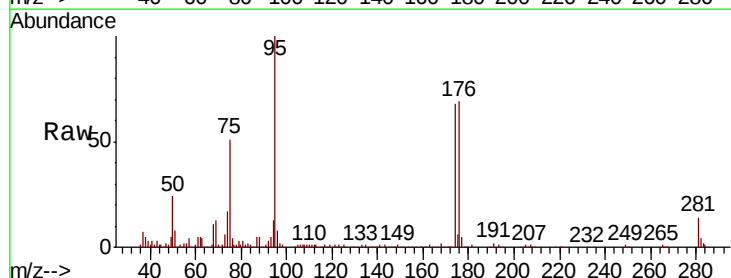
Tgt Ion: 95 Resp: 96787

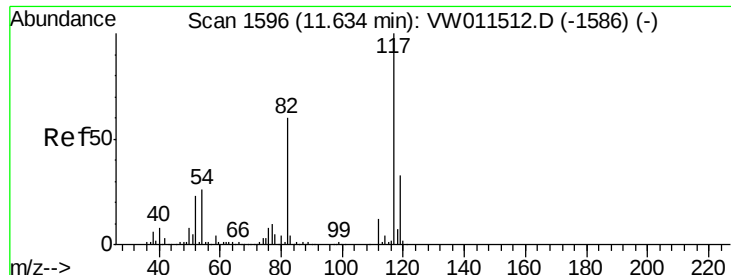
Ion Ratio Lower Upper

95 100

174 73.9 0.0 150.2

176 71.9 0.0 144.4

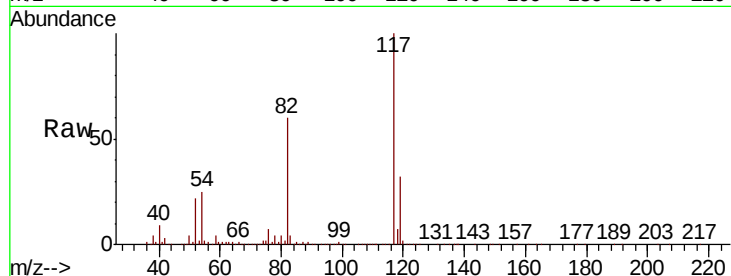




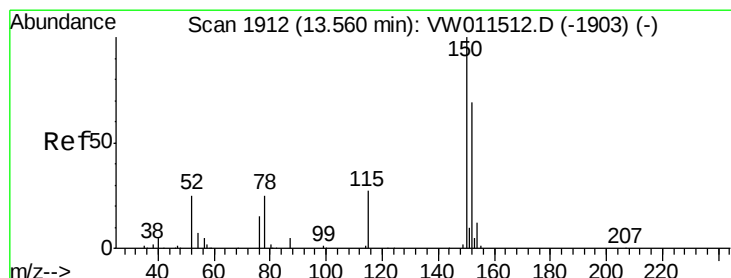
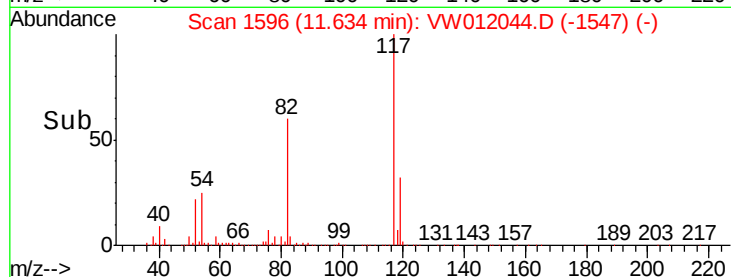
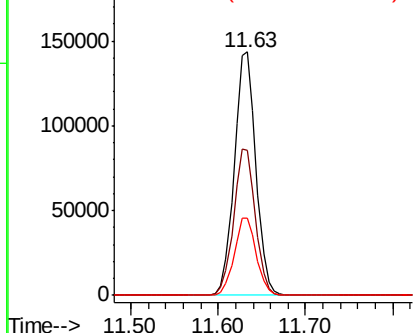
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012044.D
Acq: 20 Aug 2019 21:47

Instrument :
MSVOA_W
ClientSampled :
T6-D-(2)

Tgt Ion:117 Resp: 246867
Ion Ratio Lower Upper
117 100
82 59.6 47.9 71.9
119 31.8 26.2 39.2

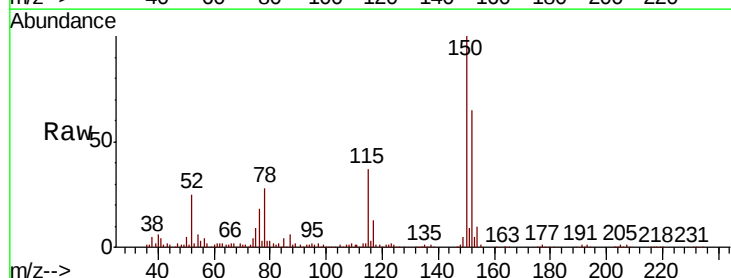


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

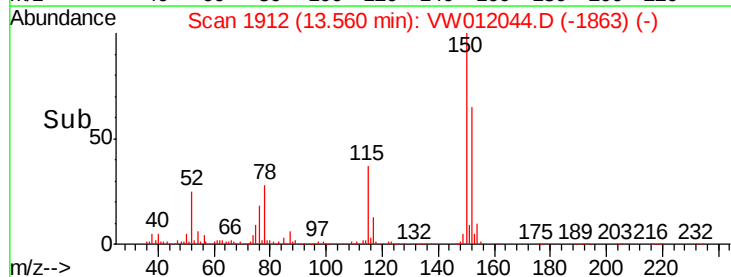
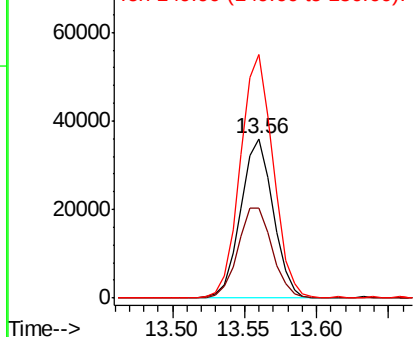


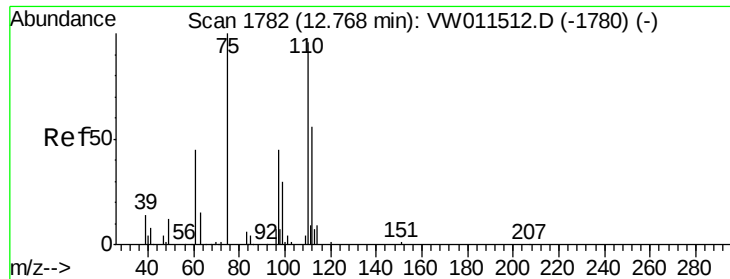
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012044.D
Acq: 20 Aug 2019 21:47

Tgt Ion:152 Resp: 56097
Ion Ratio Lower Upper
152 100
115 59.6 30.5 91.5
150 154.0 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: 84.564 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012044.D

Acq: 20 Aug 2019 21:47

Instrument :

MSVOA_W

ClientSampleId :

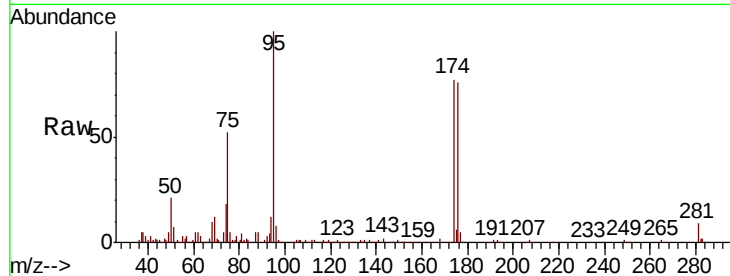
T6-D-(2)

Tgt Ion: 75 Resp: 50195

Ion Ratio Lower Upper

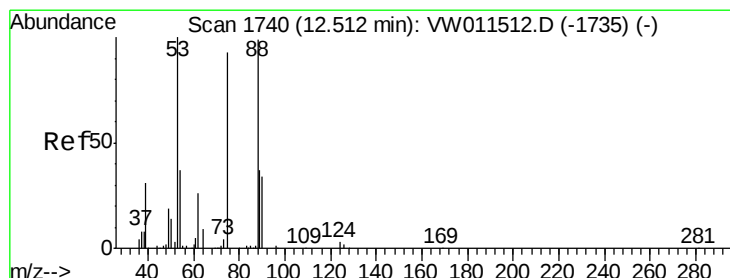
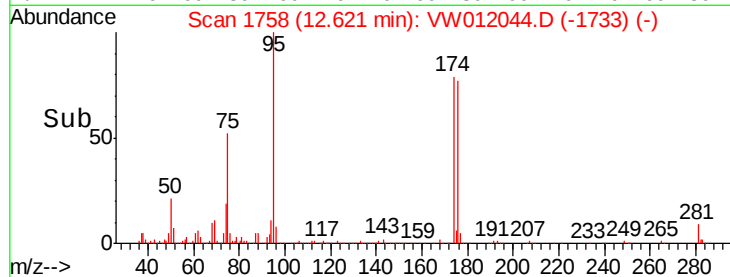
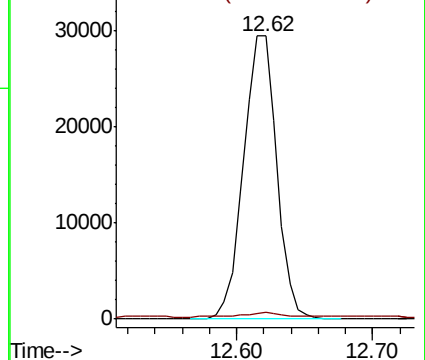
75 100

77 1.5 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: 194.892 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012044.D

Acq: 20 Aug 2019 21:47

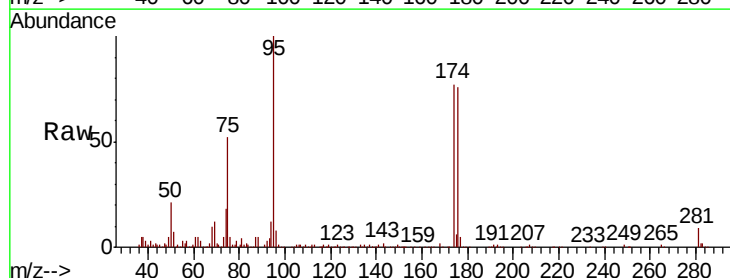
Tgt Ion: 75 Resp: 50195

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

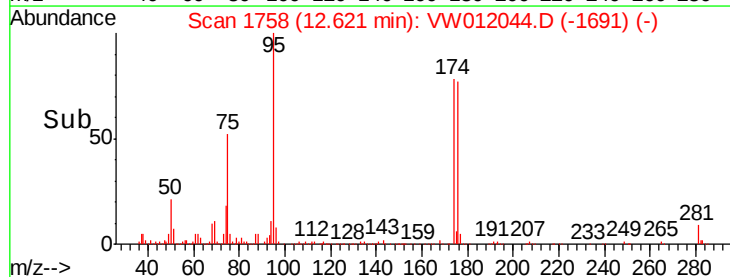
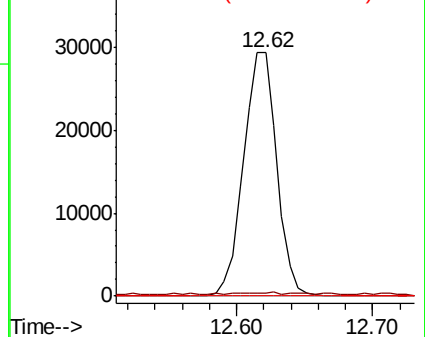
89 0.1 35.3 52.9#

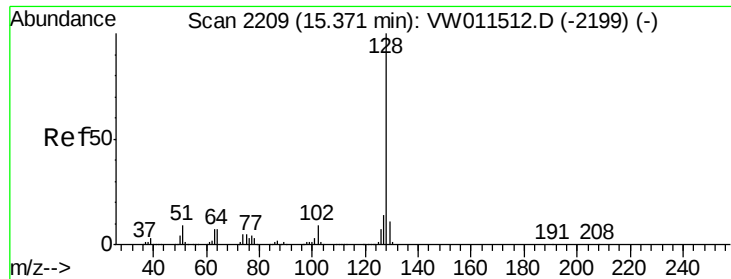


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 2.467 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012044.D

Acq: 20 Aug 2019 21:47

Instrument :

MSVOA_W

ClientSampleId :

T6-D-(2)

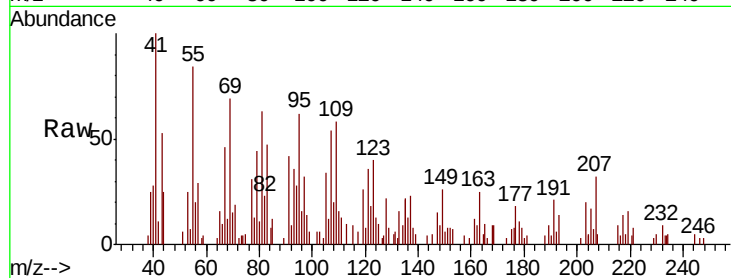
Tgt Ion:128 Resp: 926

Ion Ratio Lower Upper

128 100

127 24.0 10.6 16.0#

129 50.4 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

