

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011047.D
 Acq On : 28 Jun 2019 06:01
 Operator : SY/VA
 Sample : K3552-20
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 M-10A

Quant Time: Jun 28 08:36:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	218679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	368059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126931	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	130578	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	
35) Dibromofluoromethane	7.88	113	109500	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	10.32	98	455088	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.62	95	143386	42.38	ug/l	0.00
Spiked Amount			Recovery	=	84.76%	

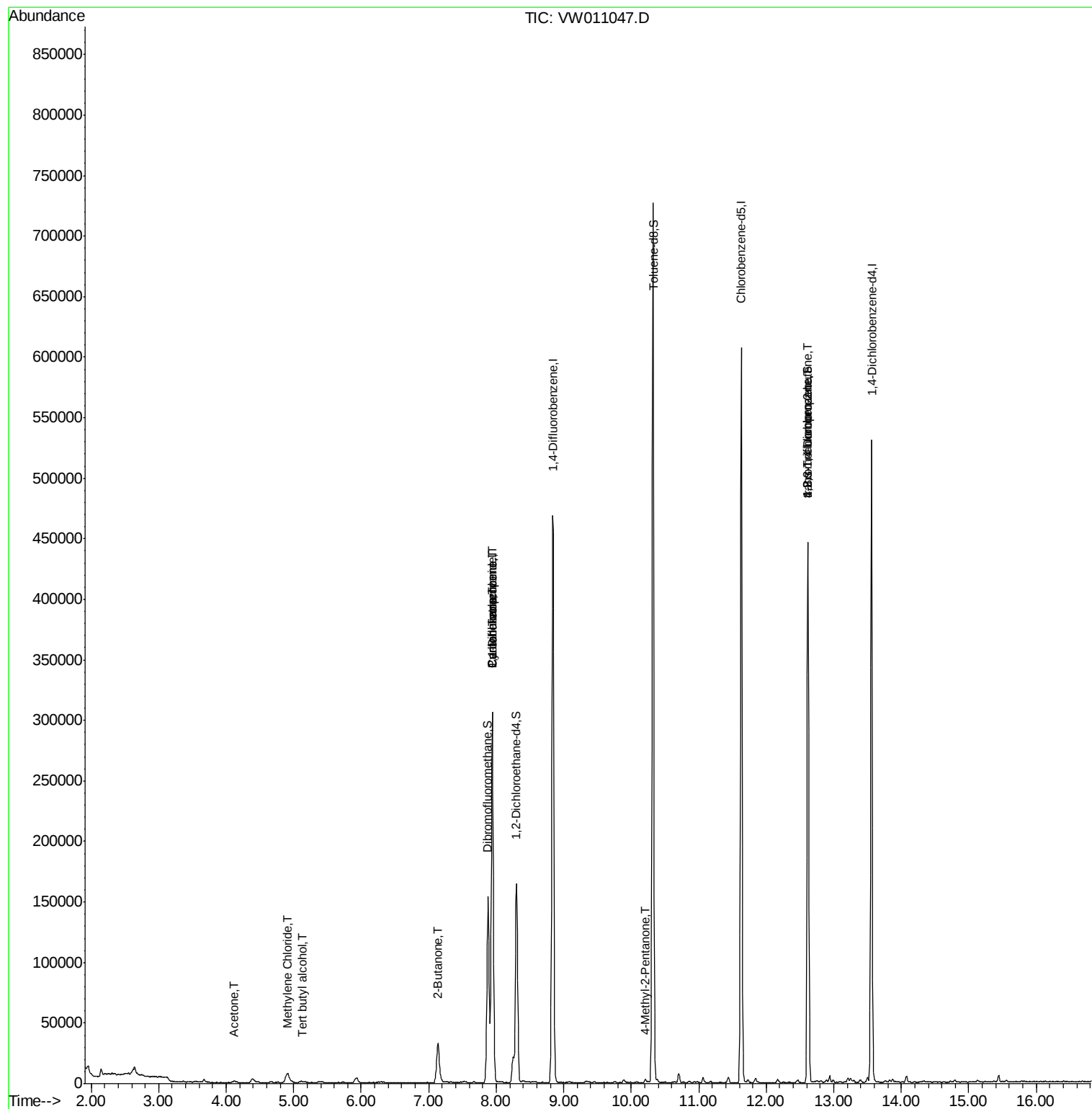
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	1109	5.341	ug/l #	77
16) Acetone	4.12	43	3104	4.448	ug/l	91
20) Methylene Chloride	4.91	84	6403	2.258	ug/l	91
25) 2-Butanone	7.14	43	2451	2.311	ug/l #	87
31) Cyclohexane	7.94	56	6369	1.165	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20073	5.074	ug/l #	50
38) Carbon Tetrachloride	7.94	117	21846	6.706	ug/l #	15
51) 4-Methyl-2-Pentanone	10.21	43	2473	1.079	ug/l #	88
76) 1,2,3-Trichloropropane	12.62	75	78459	58.549	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78459	118.457	ug/l #	3

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

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M-10A

Quant Time: Jun 28 08:36:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:55:46 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011047.D

Acq: 28 Jun 2019 06:01

Instrument :

MSVOA_W

ClientSampled :

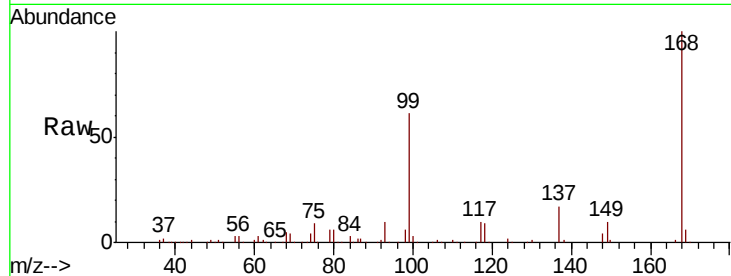
M-10A

Tot Ion:168 Resp: 218679

Ion Ratio Lower Upper

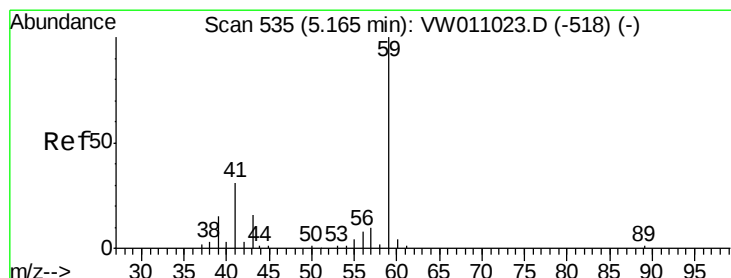
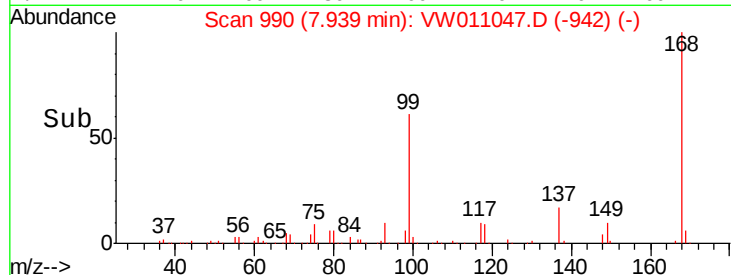
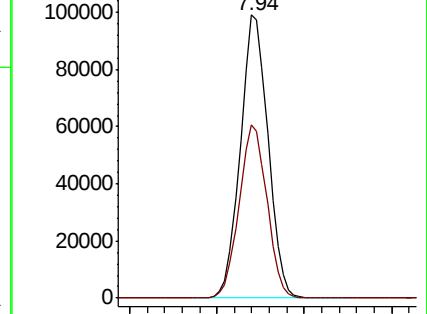
168 100

99 61.2 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.341 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW011047.D

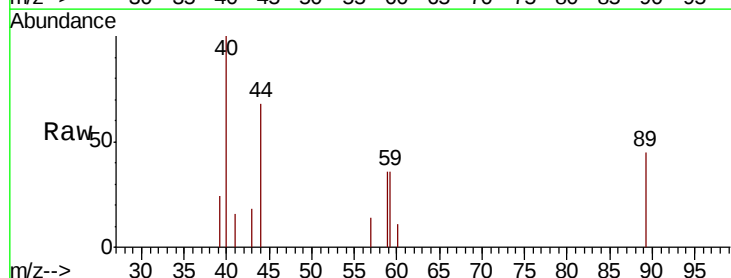
Acq: 28 Jun 2019 06:01

Tgt Ion: 59 Resp: 1109

Ion Ratio Lower Upper

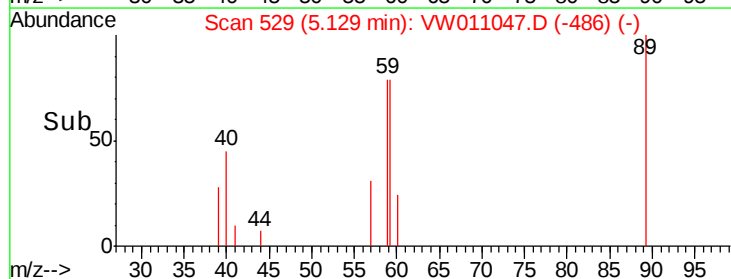
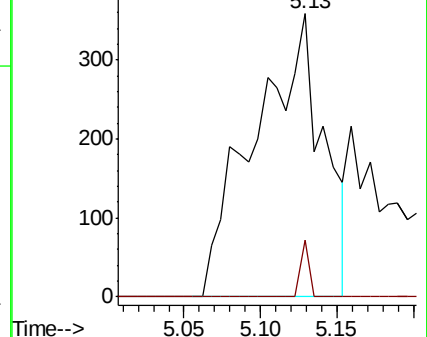
59 100

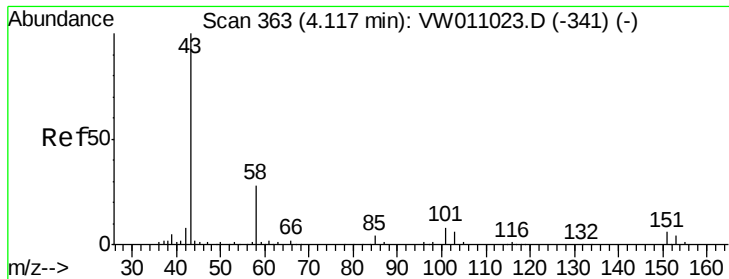
57 2.3 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 4.448 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011047.D

Acq: 28 Jun 2019 06:01

Instrument :

MSVOA_W

ClientSampleId :

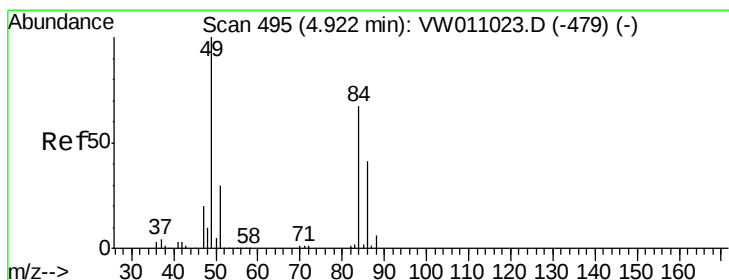
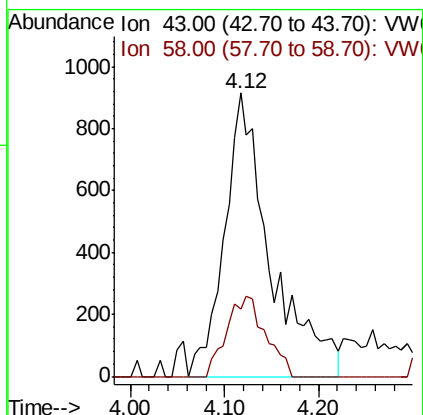
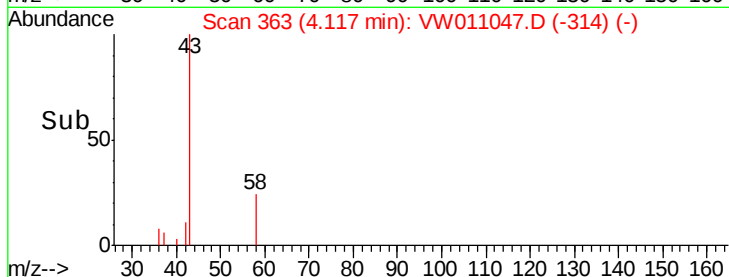
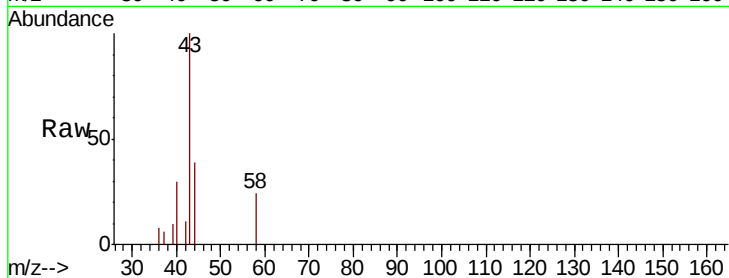
M-10A

Tot Ion: 43 Resp: 3104

Ion Ratio Lower Upper

43 100

58 23.6 22.5 33.7



#20

Methylene Chloride

Concen: 2.258 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011047.D

Acq: 28 Jun 2019 06:01

Tgt Ion: 84 Resp: 6403

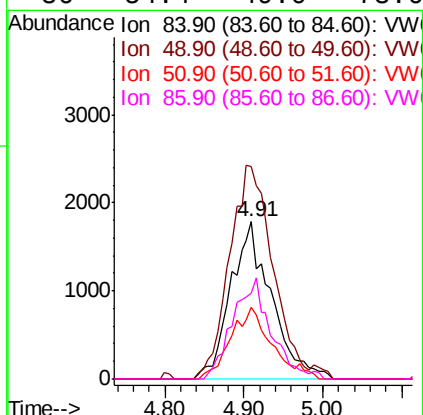
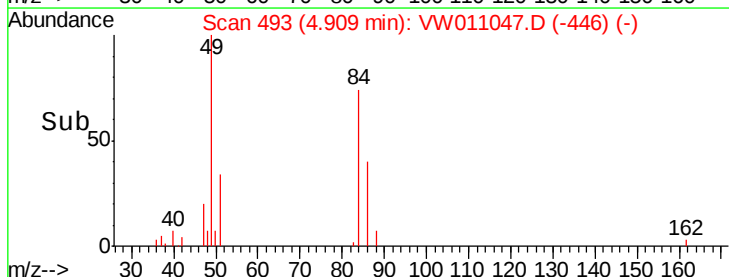
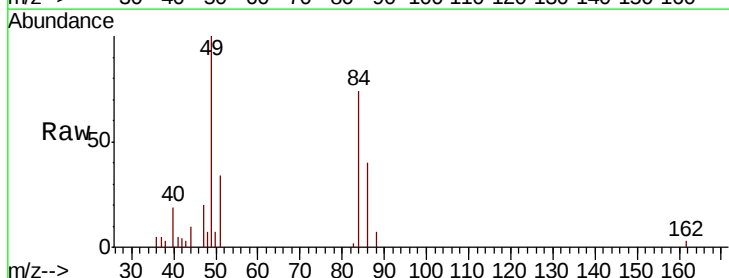
Ion Ratio Lower Upper

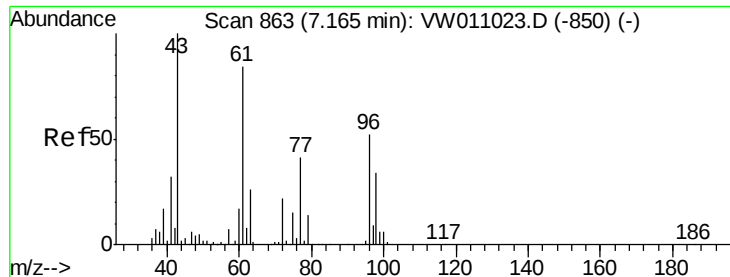
84 100

49 135.0 119.6 179.4

51 46.0 35.6 53.4

86 54.4 49.0 73.6





#25

2-Butanone

Concen: 2.311 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011047.D

Acq: 28 Jun 2019 06:01

Instrument :

MSVOA_W

ClientSampled :

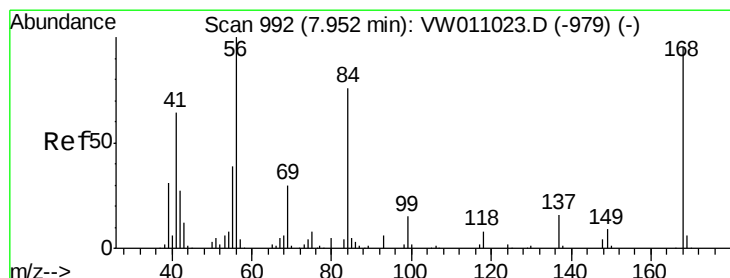
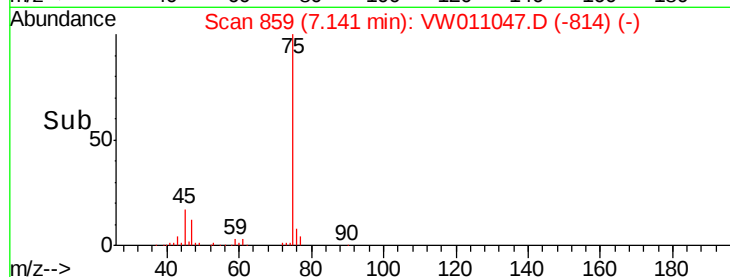
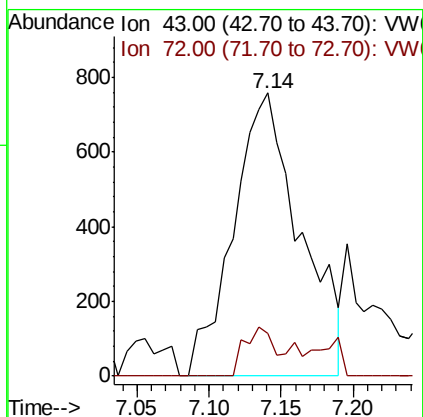
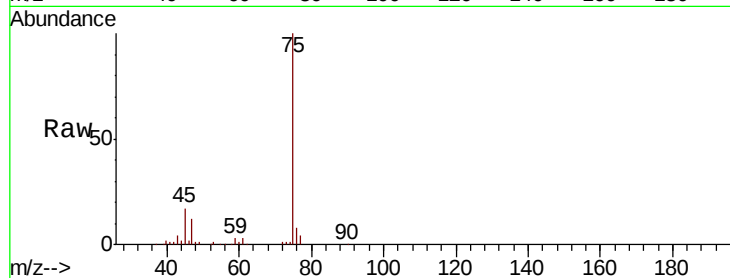
M-10A

Tot Ion: 43 Resp: 2451

Ion Ratio Lower Upper

43 100

72 15.2 17.2 25.8#



#31

Cyclohexane

Concen: 1.165 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011047.D

Acq: 28 Jun 2019 06:01

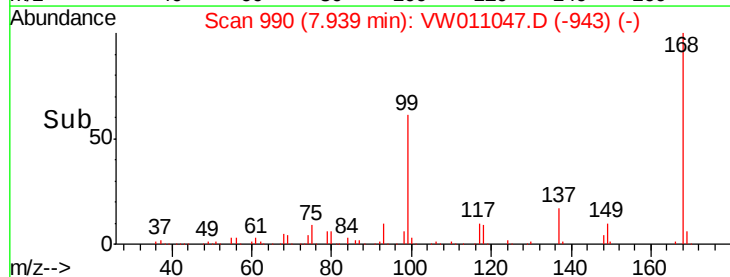
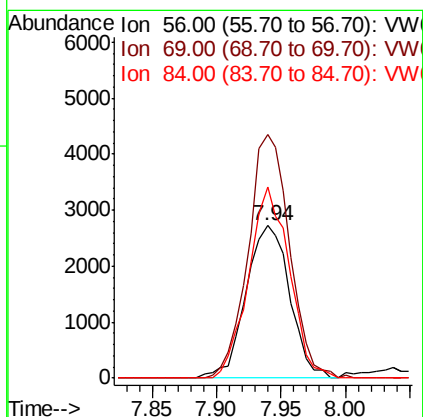
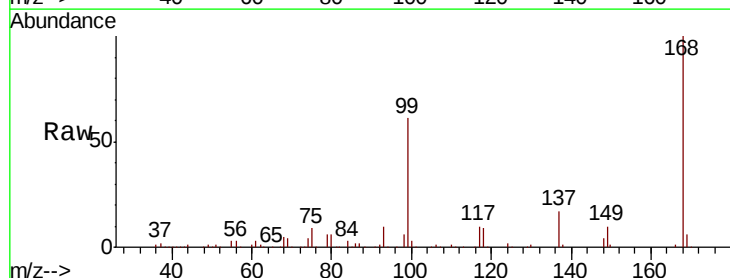
Tgt Ion: 56 Resp: 6369

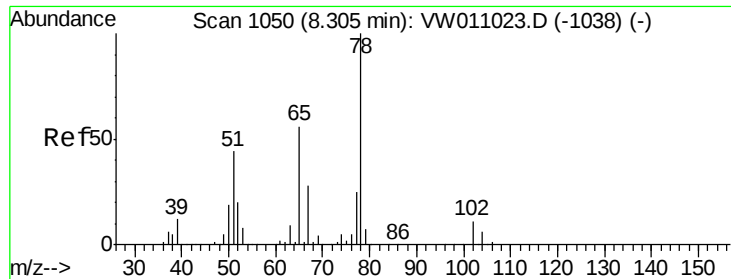
Ion Ratio Lower Upper

56 100

69 159.9 24.2 36.2#

84 125.7 60.6 90.8#





#33

1,2-Dichloroethane-d4

Concen: 45.677 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011047.D

Acq: 28 Jun 2019 06:01

Instrument :

MSVOA_W

ClientSampleId :

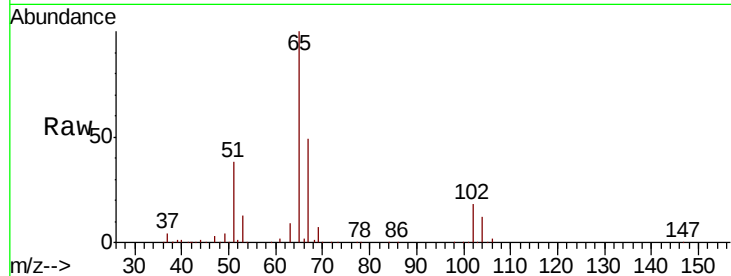
M-10A

Tot Ion: 65 Resp: 130578

Ion Ratio Lower Upper

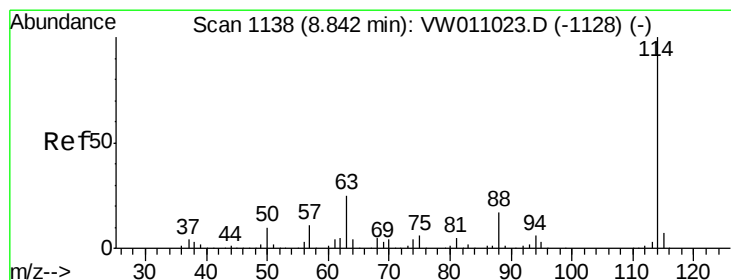
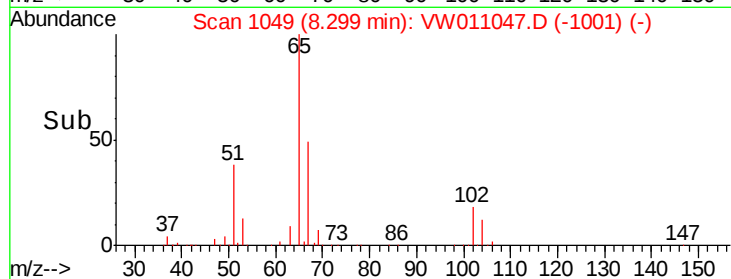
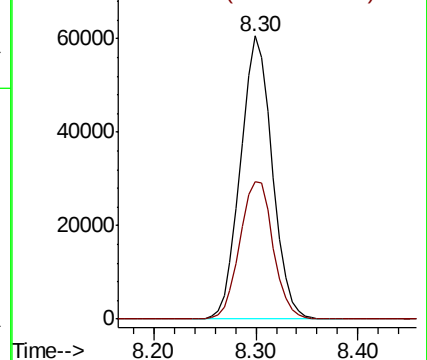
65 100

67 51.1 0.0 102.4



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: VW011047.D

Acq: 28 Jun 2019 06:01

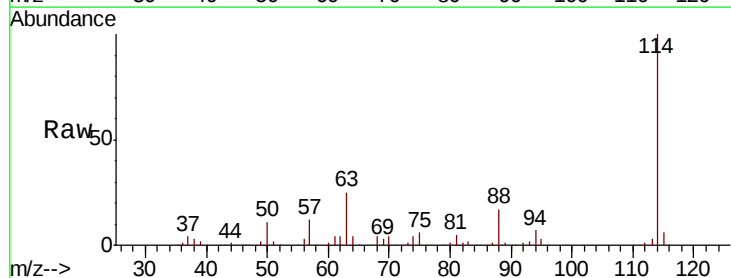
Tgt Ion: 114 Resp: 368059

Ion Ratio Lower Upper

114 100

63 25.3 0.0 50.6

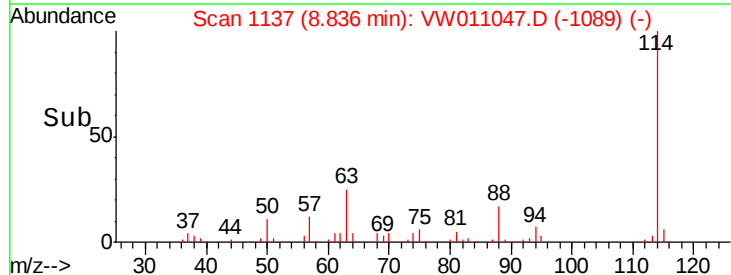
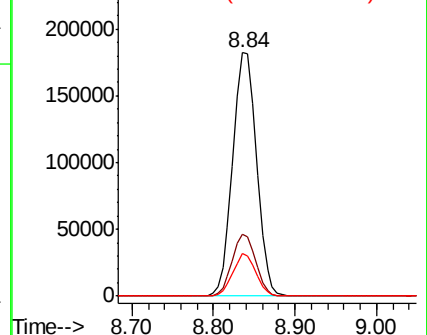
88 17.3 0.0 34.0

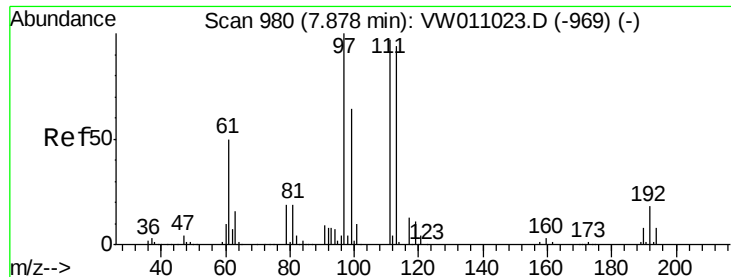


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

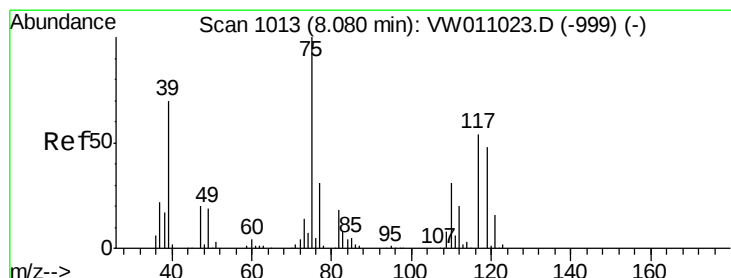
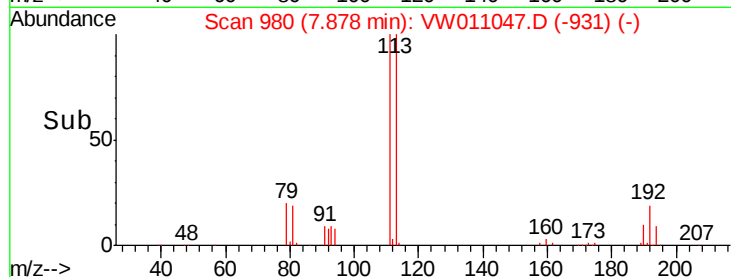
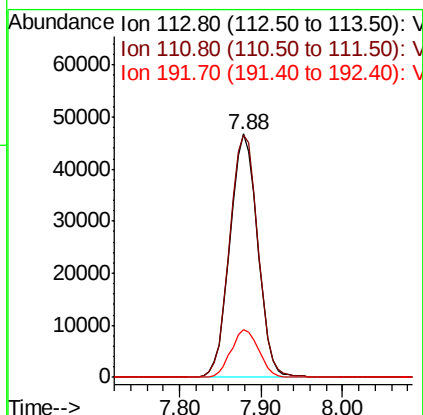
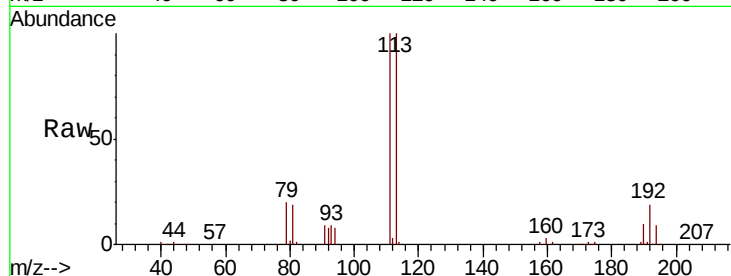




#35
 Dibromofluoromethane
 Concen: 48.720 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW011047.D
 Acq: 28 Jun 2019 06:01

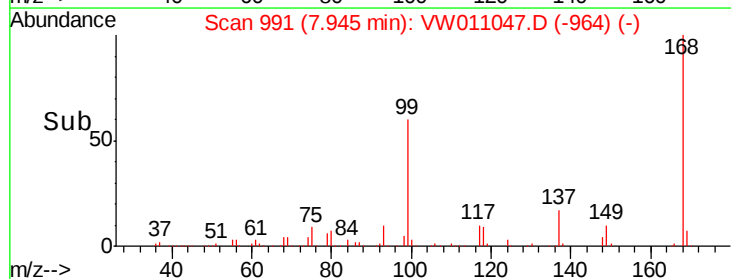
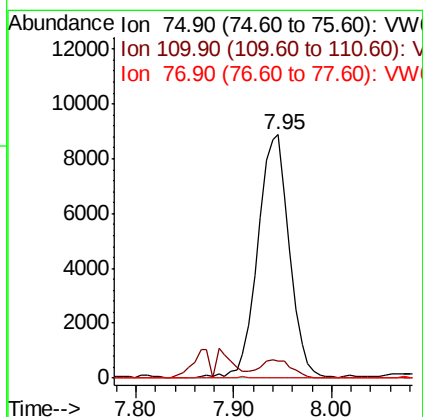
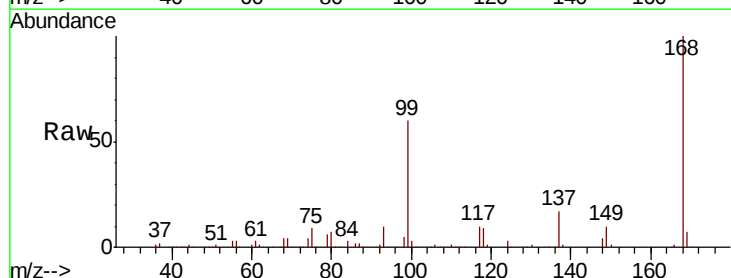
Instrument :
 MSVOA_W
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 M-10A

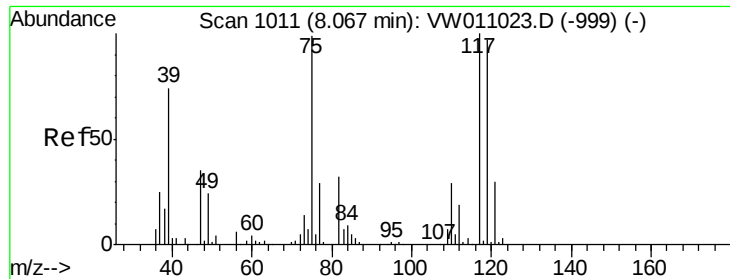
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.8	125.6
192	19.5	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 5.074 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011047.D
 Acq: 28 Jun 2019 06:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	15.5	46.5#
77	0.0	24.9	37.3#

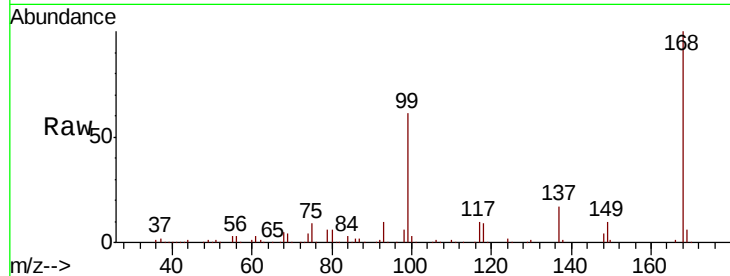




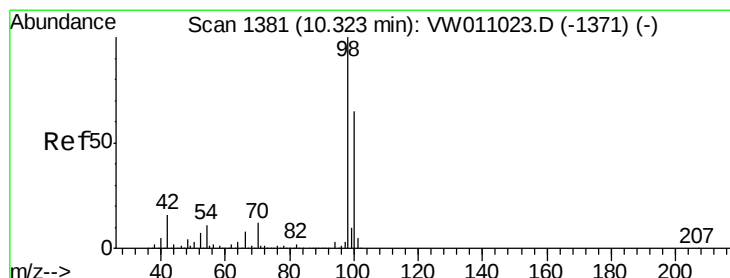
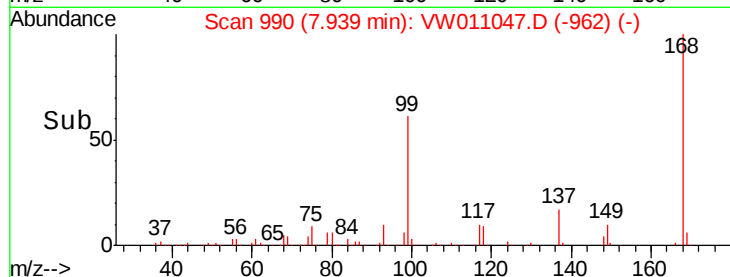
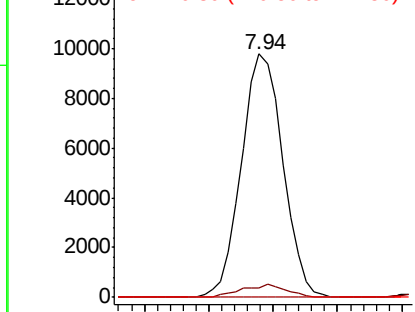
#38
Carbon Tetrachloride
Concen: 6.706 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW011047.D
Acq: 28 Jun 2019 06:01

Instrument :
MSVOA_W
ClientSampleId :
M-10A

Tot Ion:117 Resp: 21846
Ion Ratio Lower Upper
117 100
119 4.0 77.7 116.5#
121 0.0 23.9 35.9#

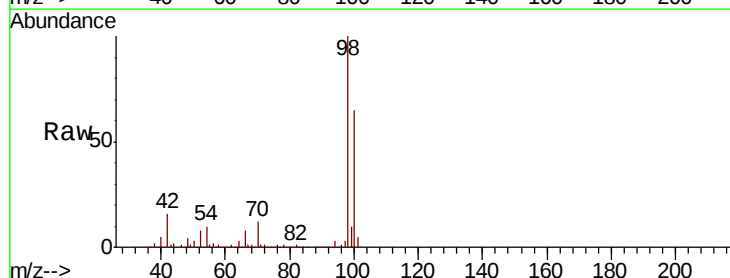


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

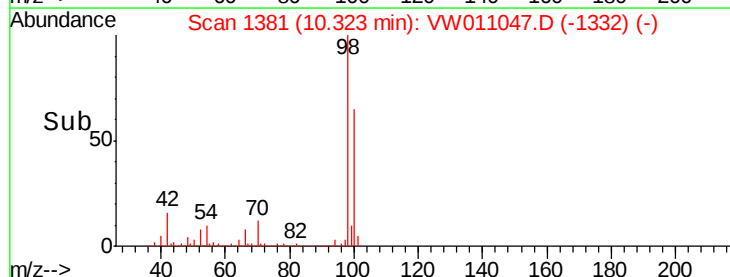
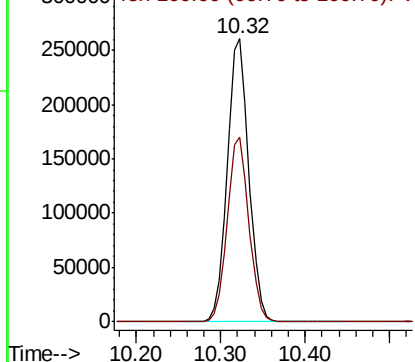


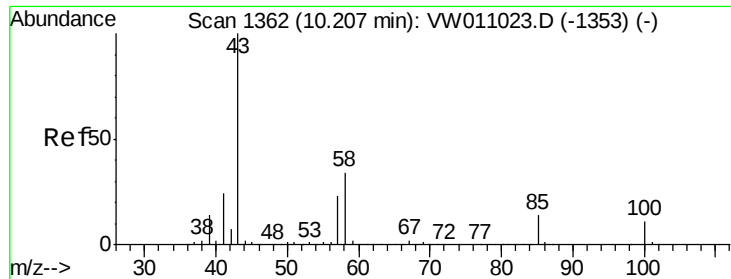
#50
Toluene-d8
Concen: 49.191 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011047.D
Acq: 28 Jun 2019 06:01

Tgt Ion: 98 Resp: 455088
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.079 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011047.D

Acq: 28 Jun 2019 06:01

Instrument :

MSVOA_W

ClientSampleId :

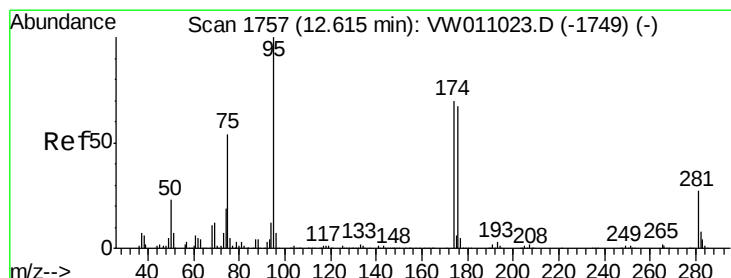
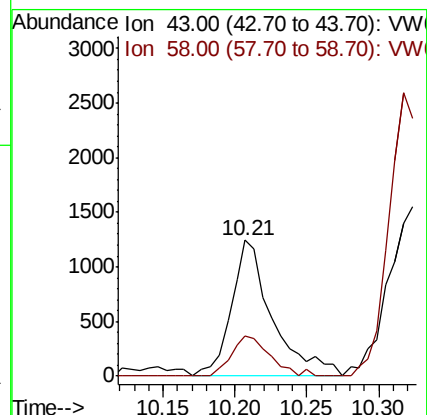
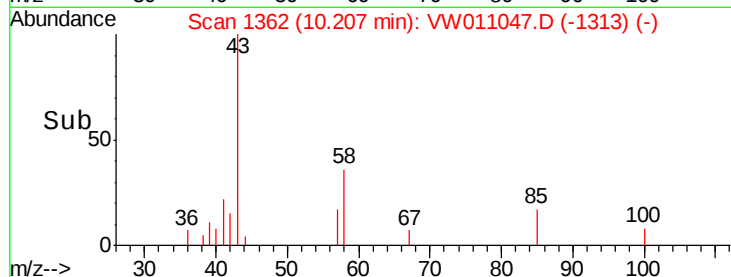
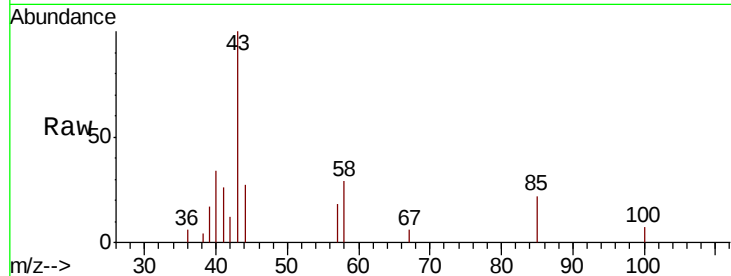
M-10A

Tot Ion: 43 Resp: 2473

Ion Ratio Lower Upper

43 100

58 27.6 27.8 41.6#



#62

4-Bromofluorobenzene

Concen: 42.376 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011047.D

Acq: 28 Jun 2019 06:01

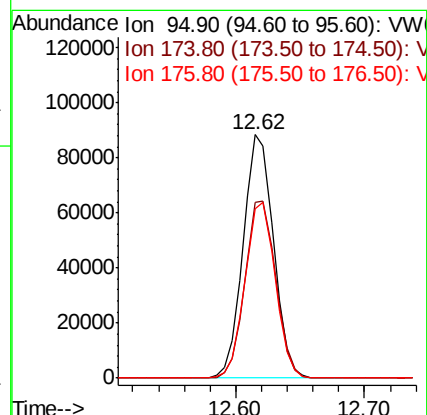
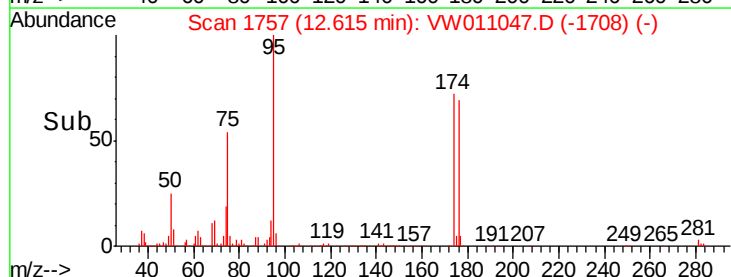
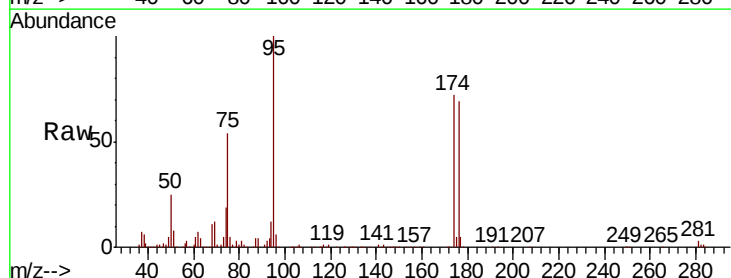
Tgt Ion: 95 Resp: 143386

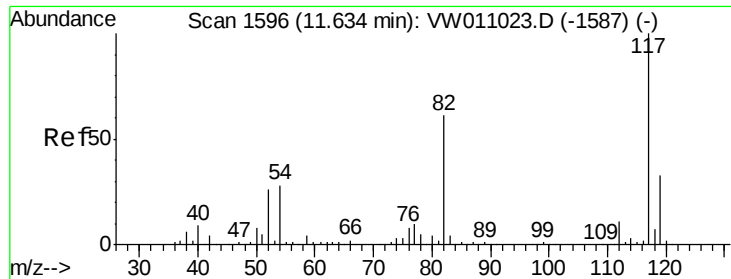
Ion Ratio Lower Upper

95 100

174 74.2 0.0 149.2

176 72.3 0.0 143.6

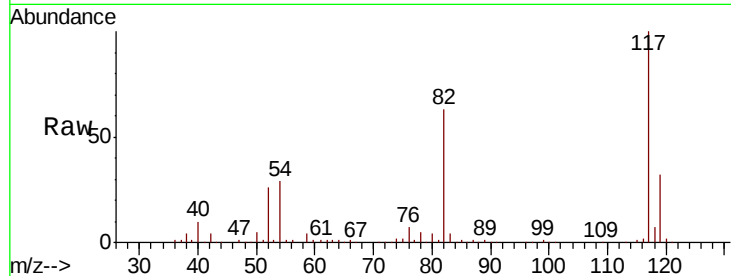




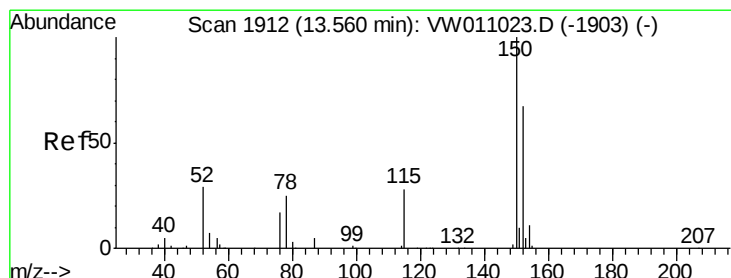
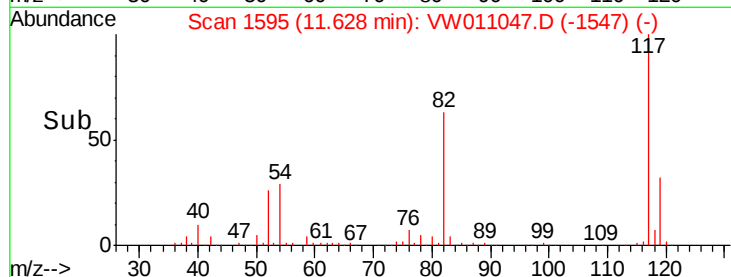
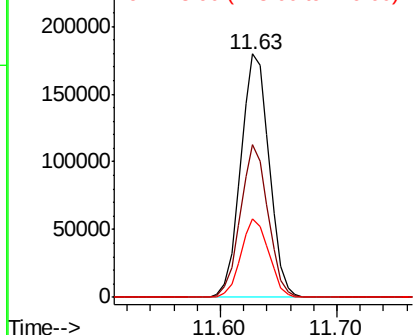
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011047.D
Acq: 28 Jun 2019 06:01

Instrument :
MSVOA_W
ClientSampleId :
M-10A

Tot Ion:117 Resp: 306372
Ion Ratio Lower Upper
117 100
82 62.6 48.6 73.0
119 32.1 26.1 39.1

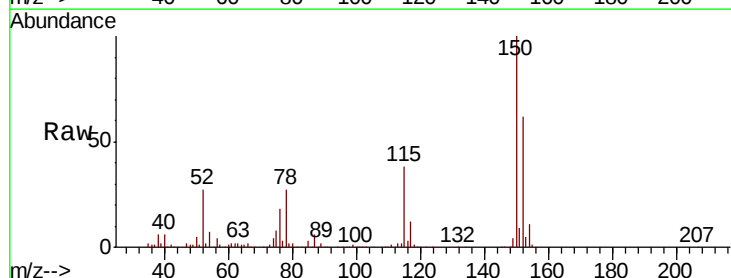


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

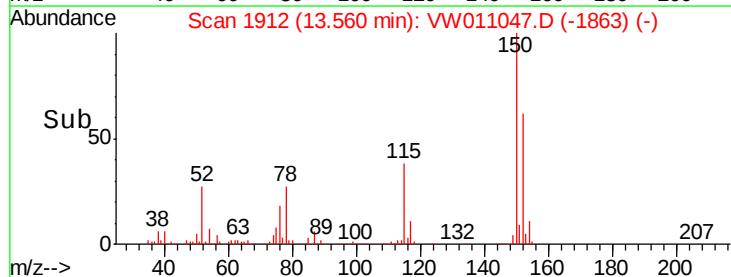
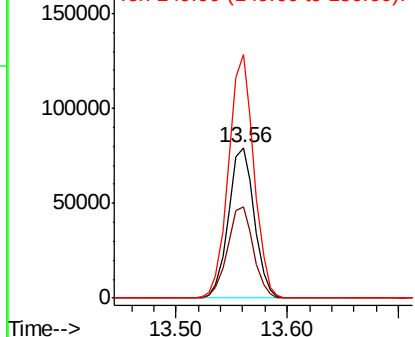


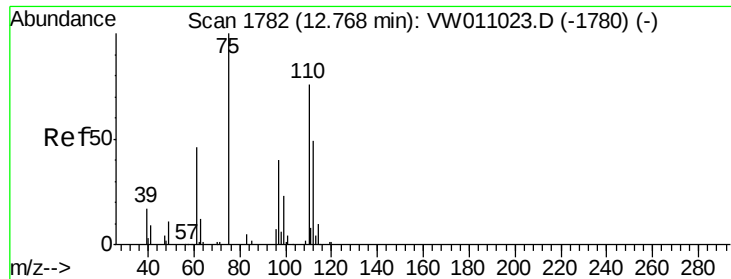
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011047.D
Acq: 28 Jun 2019 06:01

Tgt Ion:152 Resp: 126931
Ion Ratio Lower Upper
152 100
115 60.9 30.7 92.1
150 158.1 0.0 341.8



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: 58.549 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011047.D

Acq: 28 Jun 2019 06:01

Instrument :

MSVOA_W

ClientSampleId :

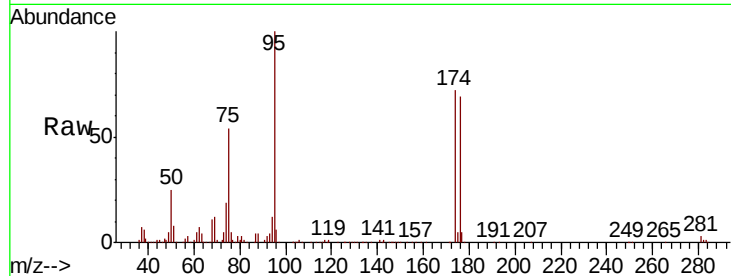
M-10A

Tot Ion: 75 Resp: 78459

Ion Ratio Lower Upper

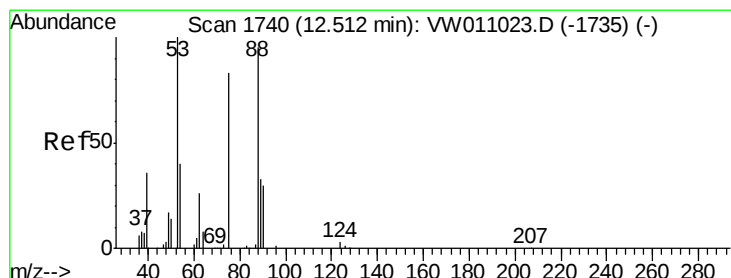
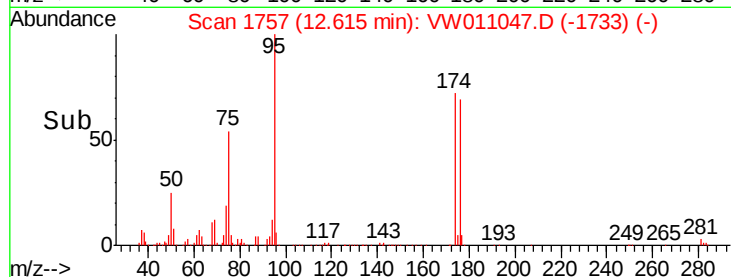
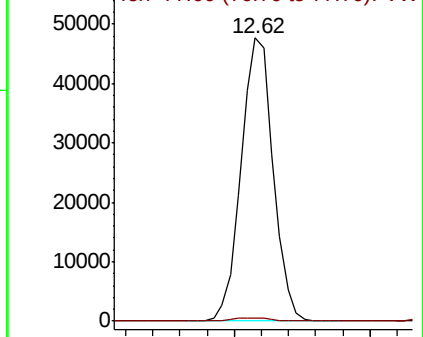
75 100

77 1.3 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: 118.457 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011047.D

Acq: 28 Jun 2019 06:01

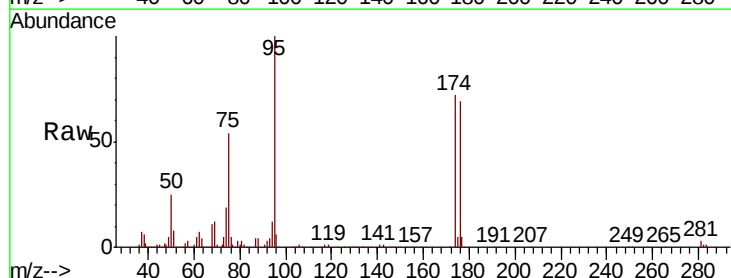
Tgt Ion: 75 Resp: 78459

Ion Ratio Lower Upper

75 100

53 0.0 95.6 143.4#

89 0.0 34.4 51.6#



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

