

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012152.D
 Acq On : 23 Aug 2019 23:42
 Operator : SY/VA
 Sample : K4474-15
 Misc : 5.75G/5ML/MSVOA_W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K3-(2.5)

Quant Time: Aug 26 07:31:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	352550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	286999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105053	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	139577	55.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.56%	
35) Dibromofluoromethane	7.88	113	108340	51.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.96%	
50) Toluene-d8	10.32	98	432619	50.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.62	95	127918	42.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.06%	

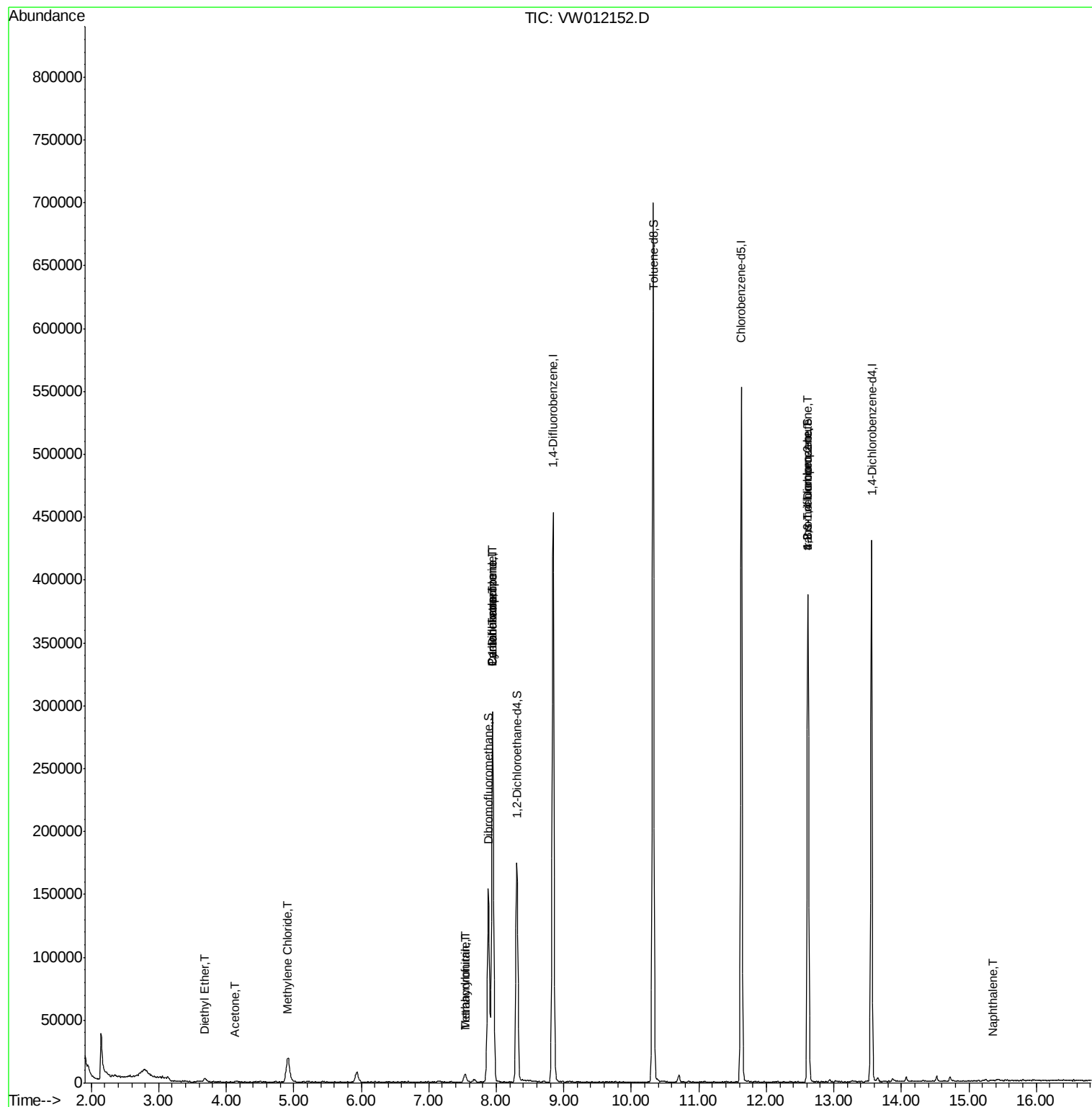
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1224	1.045	ug/l	55
16) Acetone	4.13	43	722	1.129	ug/l	90
20) Methylene Chloride	4.91	84	14714	6.085	ug/l	97
29) Tetrahydrofuran	7.54	42	5835	11.189	ug/l	98
31) Cyclohexane	7.95	56	5963	1.323	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	18326	5.030	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21283	6.749	ug/l #	16
41) Methacrylonitrile	7.54	41	3402	2.899	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	67283	65.761	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67283	144.184	ug/l #	6
95) Naphthalene	15.36	128	77	4.339	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# 991

Delta R.T. -0.00 min

Lab File: VW012152.D

Acq: 23 Aug 2019 23:42

Instrument :

MSVOA_W

ClientSampled :

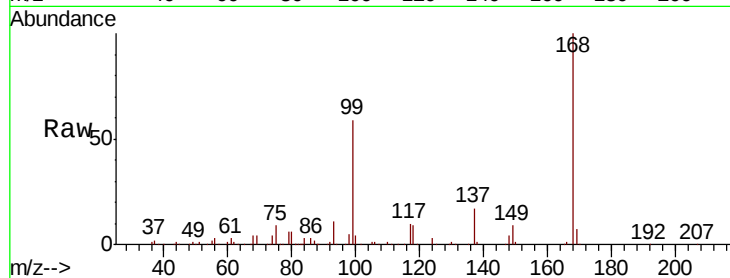
T1-2-K3-(2.5)

Tgt Ion:168 Resp: 210502

Ion Ratio Lower Upper

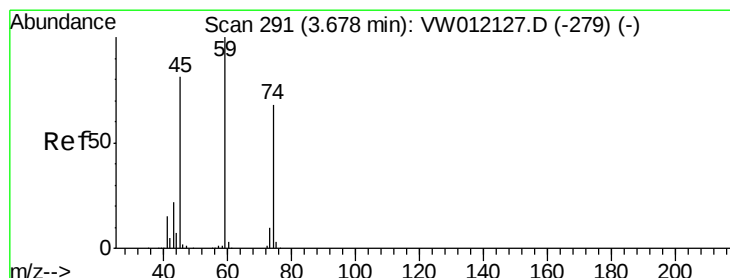
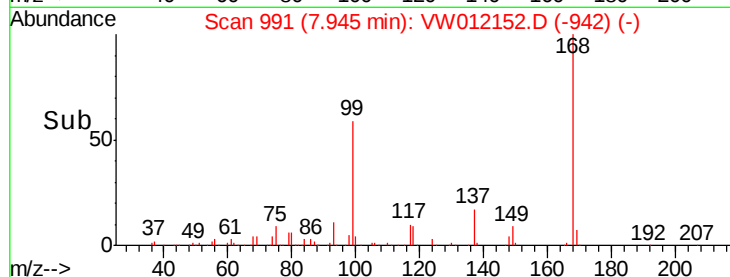
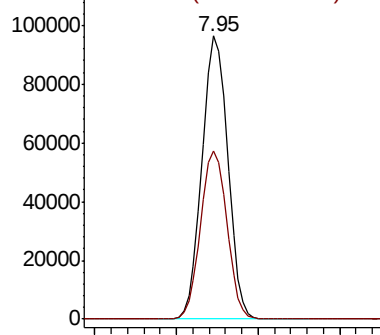
168 100

99 59.3 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.045 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012152.D

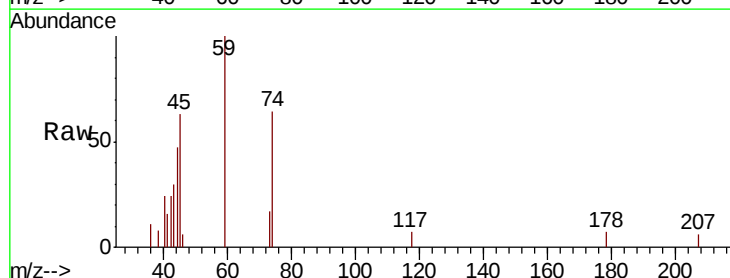
Acq: 23 Aug 2019 23:42

Tgt Ion: 74 Resp: 1224

Ion Ratio Lower Upper

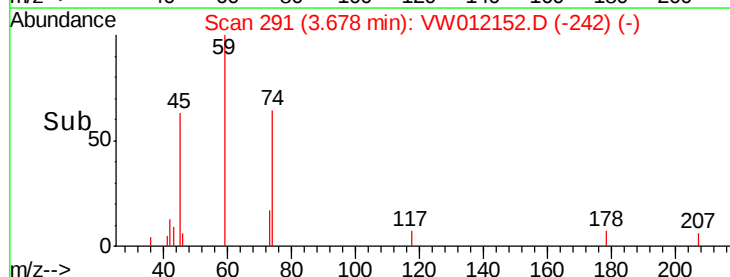
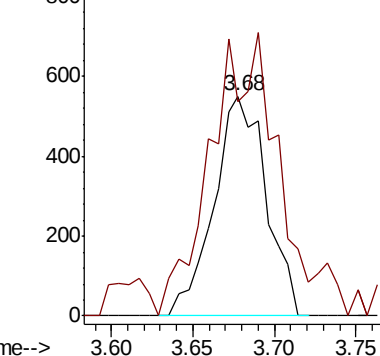
74 100

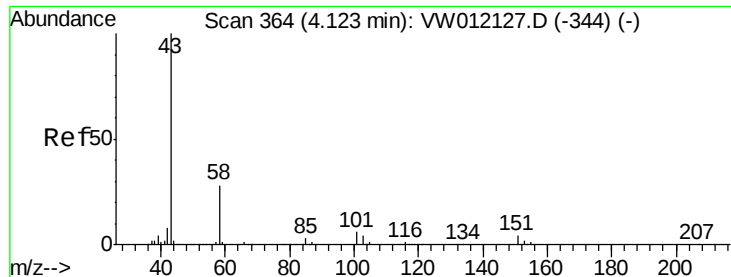
45 168.2 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 1.129 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012152.D

Acq: 23 Aug 2019 23:42

Instrument :

MSVOA_W

ClientSampleId :

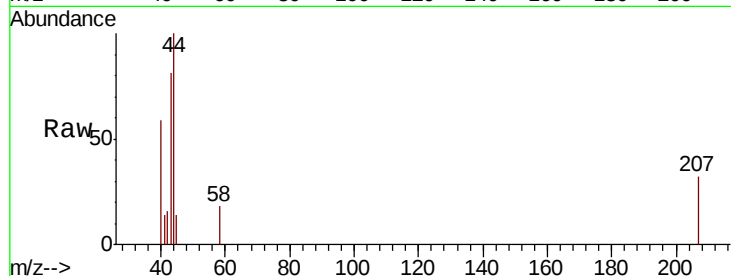
T1-2-K3-(2.5)

Tgt Ion: 43 Resp: 722

Ion Ratio Lower Upper

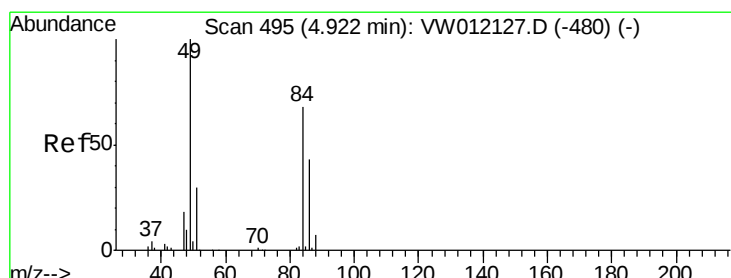
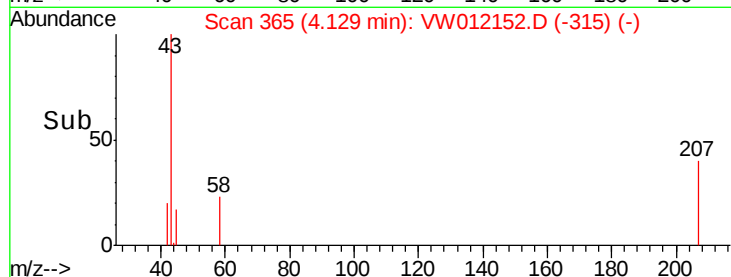
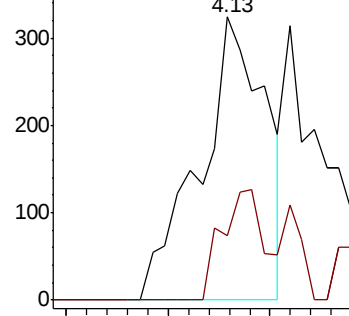
43 100

58 22.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 6.085 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012152.D

Acq: 23 Aug 2019 23:42

Tgt Ion: 84 Resp: 14714

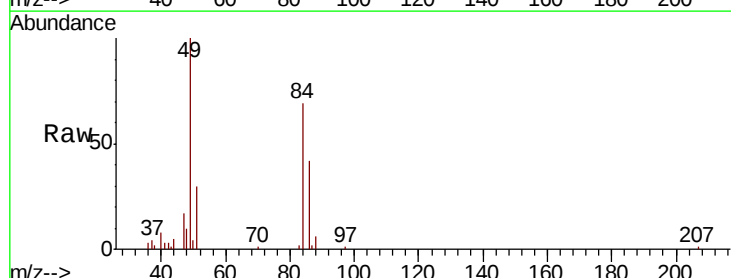
Ion Ratio Lower Upper

84 100

49 145.1 117.8 176.8

51 42.8 35.6 53.4

86 60.6 51.2 76.8

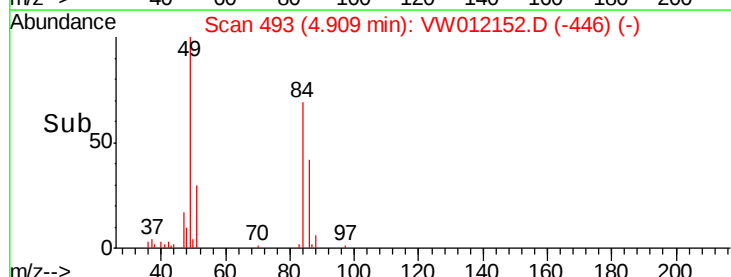
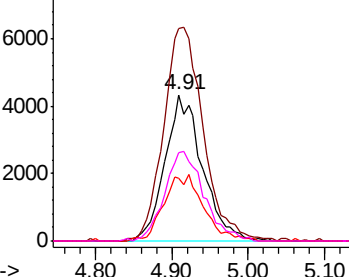


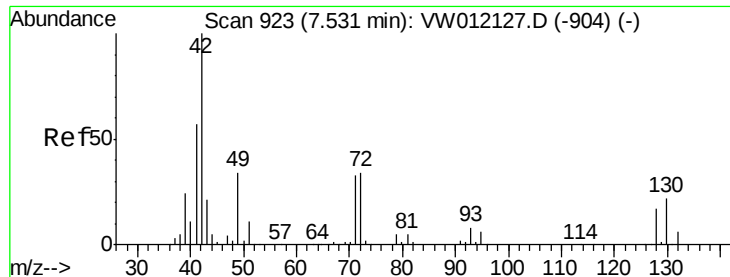
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#29

Tetrahydrofuran

Concen: 11.189 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012152.D

Acq: 23 Aug 2019 23:42

Instrument :

MSVOA_W

ClientSampled :

T1-2-K3-(2.5)

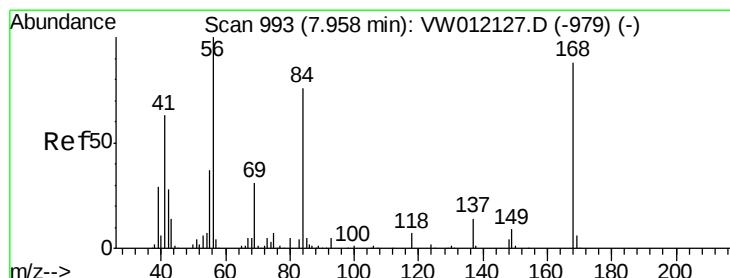
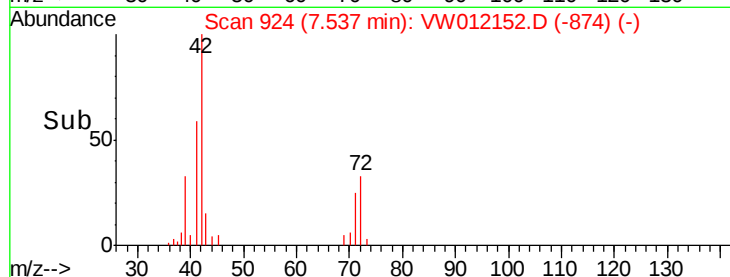
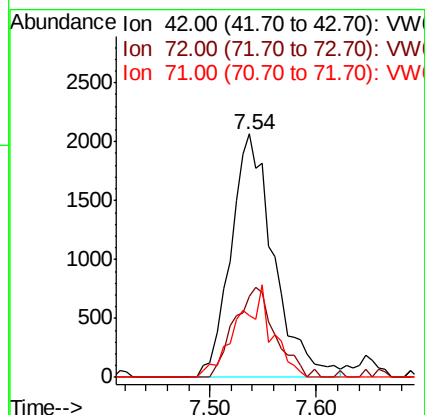
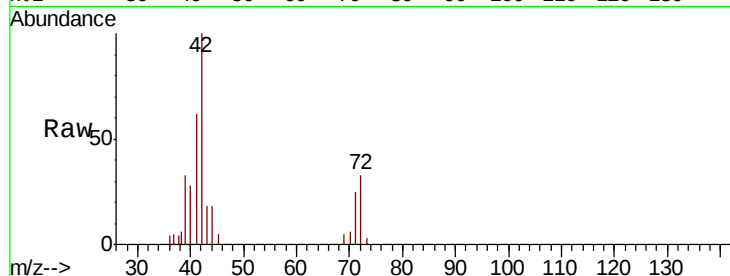
Tgt Ion: 42 Resp: 5835

Ion Ratio Lower Upper

42 100

72 35.2 27.3 40.9

71 31.0 25.5 38.3



#31

Cyclohexane

Concen: 1.323 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012152.D

Acq: 23 Aug 2019 23:42

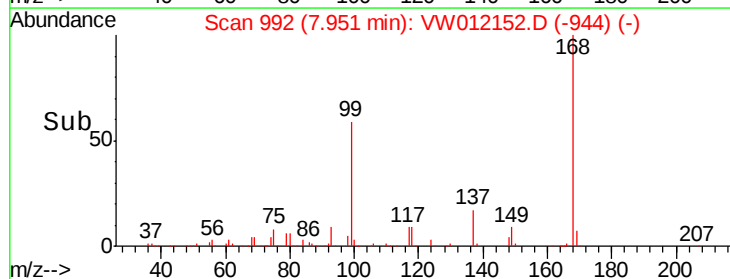
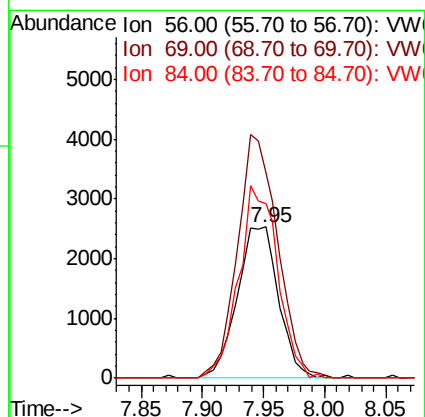
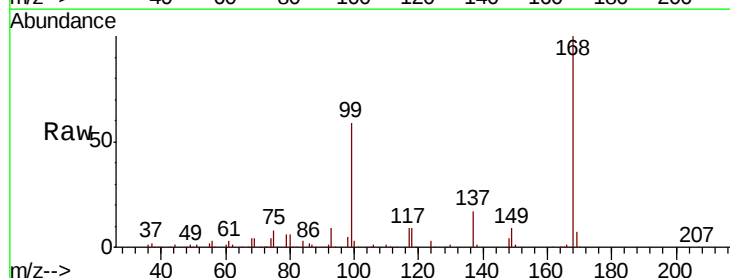
Tgt Ion: 56 Resp: 5963

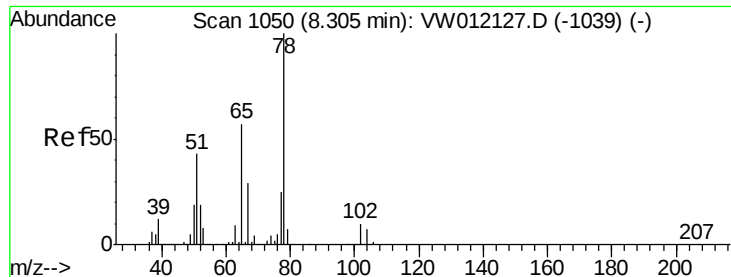
Ion Ratio Lower Upper

56 100

69 135.5 24.9 37.3#

84 115.6 60.6 90.8#

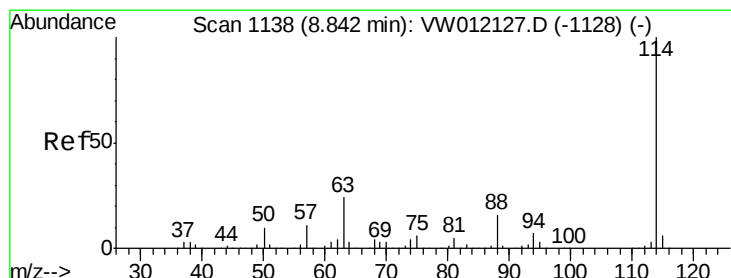
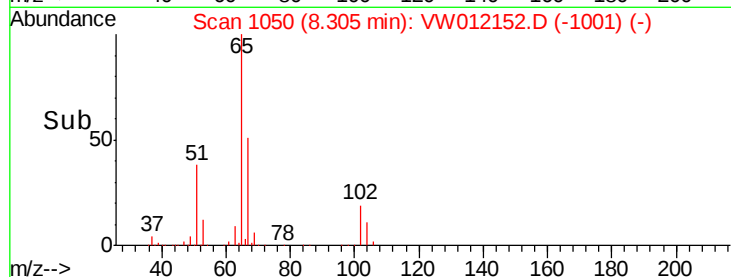
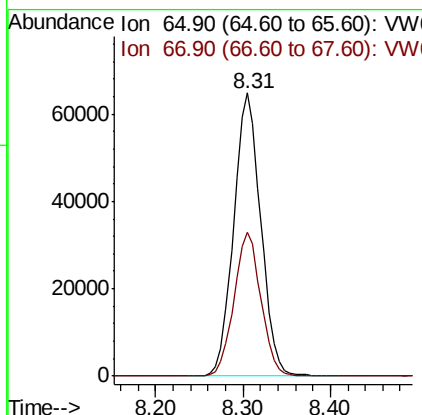
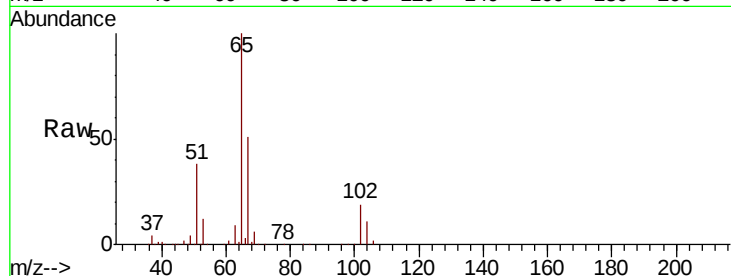




#33
 1,2-Dichloroethane-d4
 Concen: 55.778 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012152.D
 Acq: 23 Aug 2019 23:42

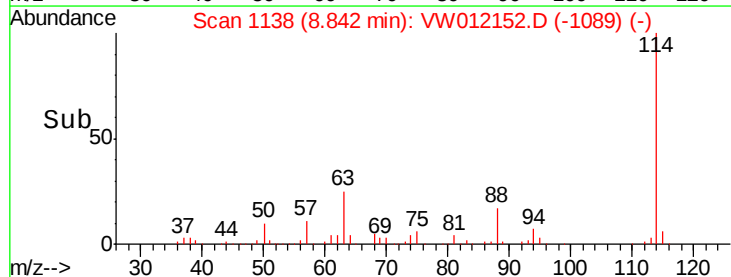
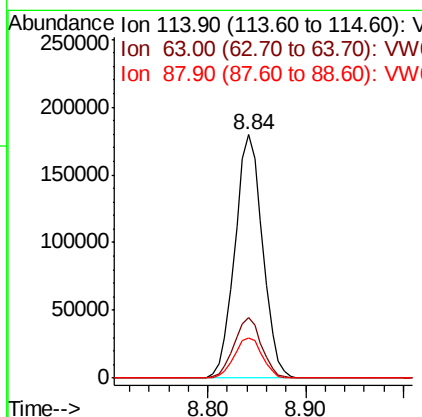
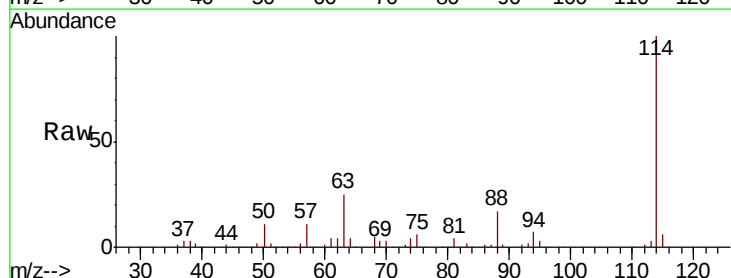
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K3-(2.5)

Tgt Ion: 65 Resp: 139577
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012152.D
 Acq: 23 Aug 2019 23:42

Tgt Ion: 114 Resp: 352550
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 48.6
 88 16.7 0.0 32.2

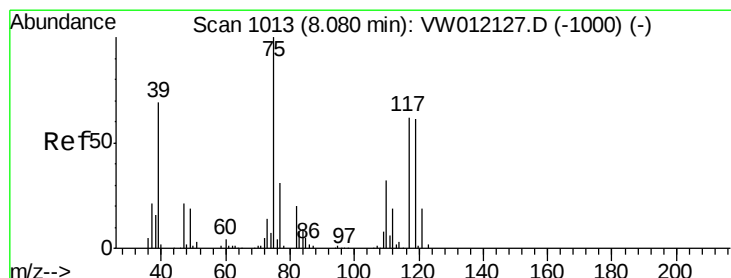
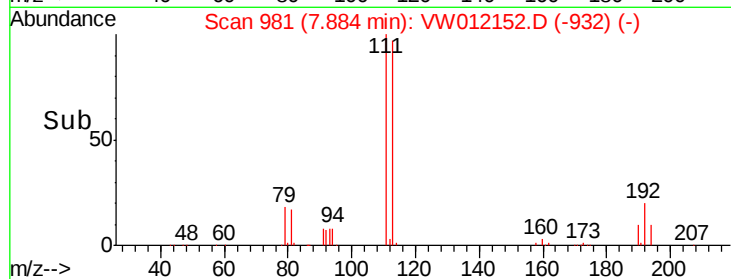
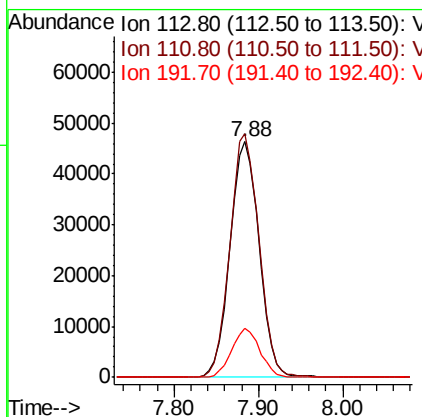
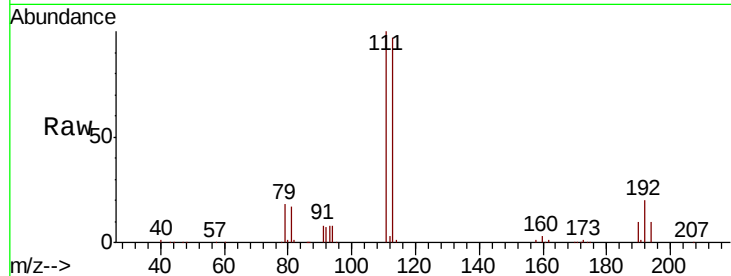




#35
 Dibromofluoromethane
 Concen: 51.483 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012152.D
 Acq: 23 Aug 2019 23:42

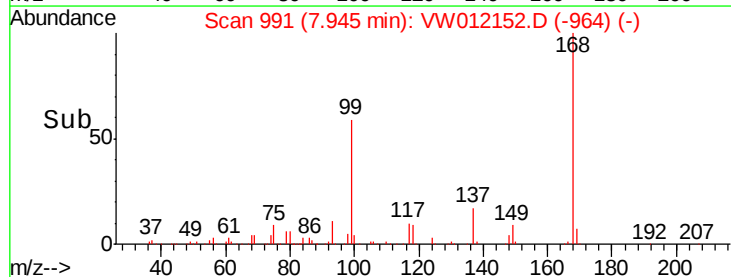
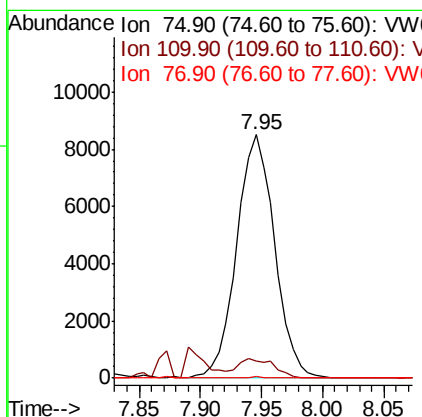
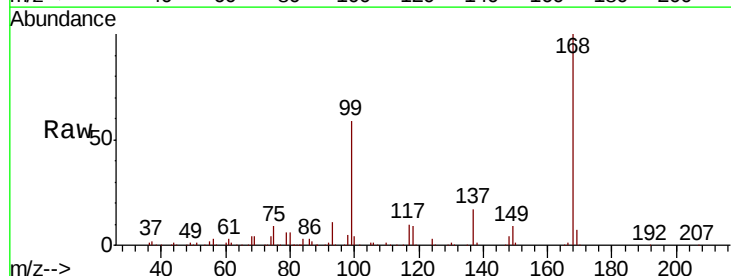
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K3-(2.5)

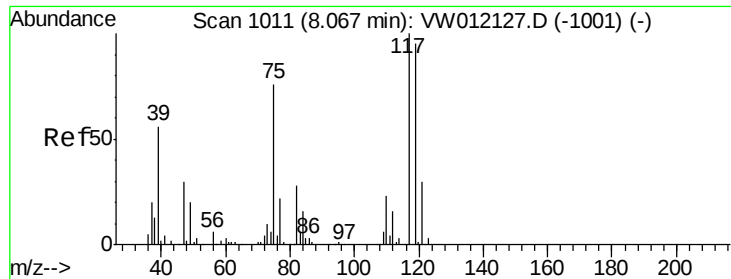
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.7	124.1
192	20.1	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.030 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012152.D
 Acq: 23 Aug 2019 23:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	15.6	46.8#
77	0.1	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.749 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012152.D

Acq: 23 Aug 2019 23:42

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K3-(2.5)

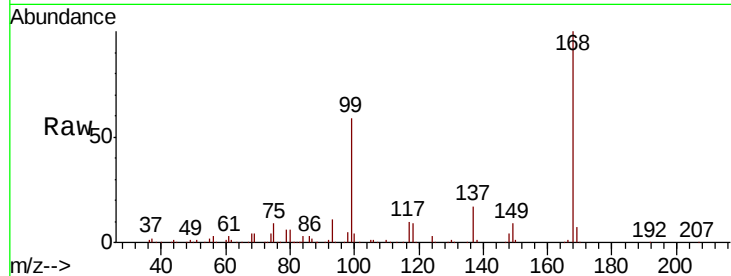
Tgt Ion:117 Resp: 21283

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

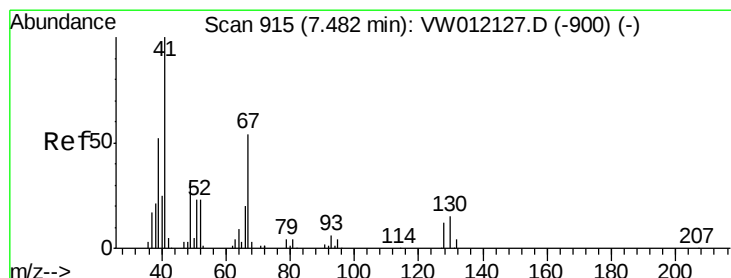
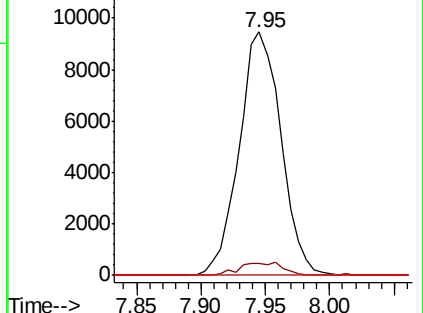
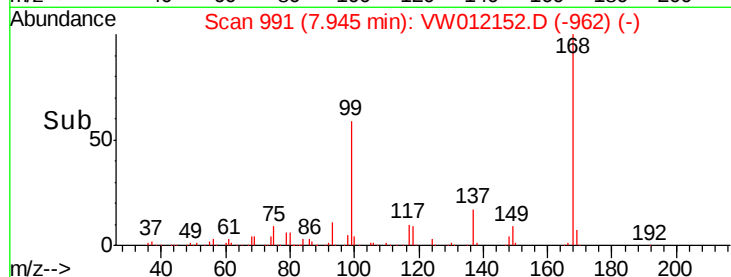
121 0.0 23.8 35.8#



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: 2.899 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012152.D

Acq: 23 Aug 2019 23:42

Tgt Ion: 41 Resp: 3402

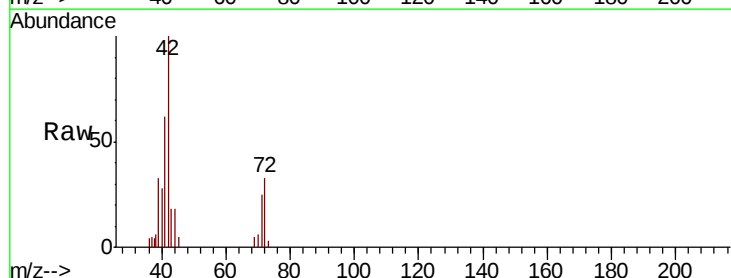
Ion Ratio Lower Upper

41 100

39 62.1 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

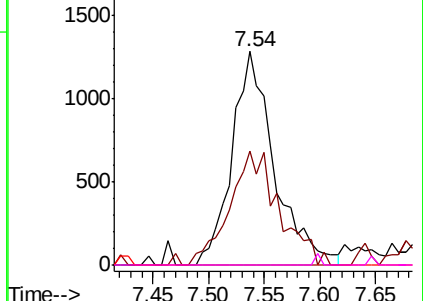
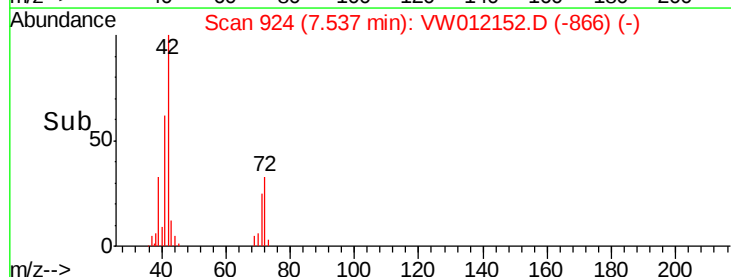


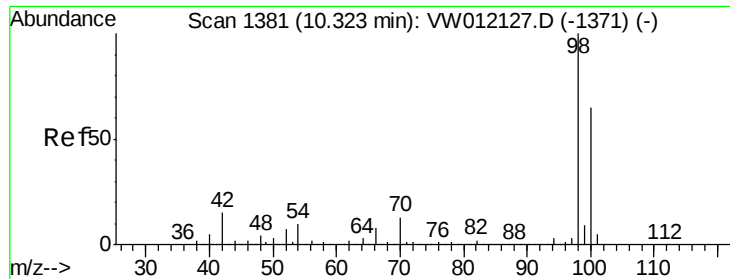
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 50.702 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012152.D

Acq: 23 Aug 2019 23:42

Instrument :

MSVOA_W

ClientSampleId :

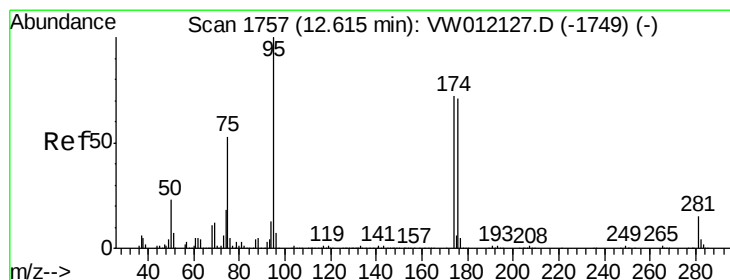
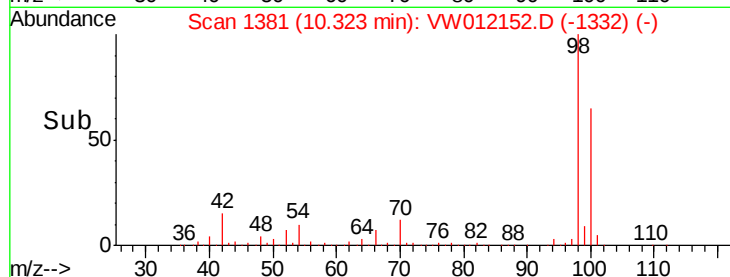
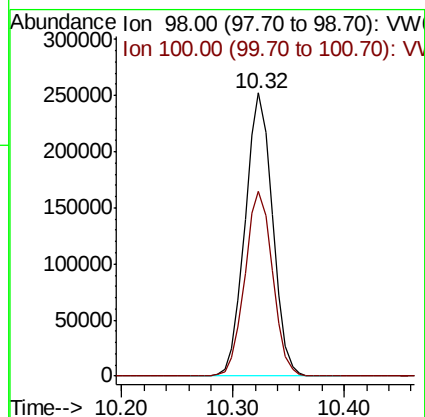
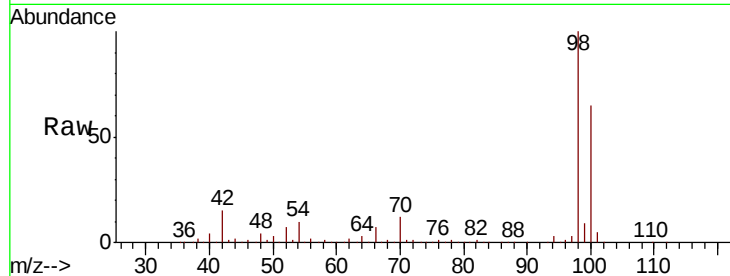
T1-2-K3-(2.5)

Tgt Ion: 98 Resp: 432619

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 42.529 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012152.D

Acq: 23 Aug 2019 23:42

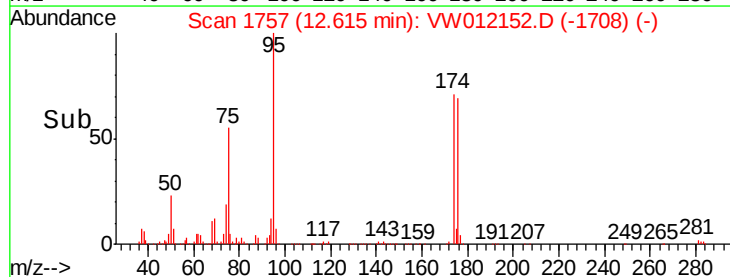
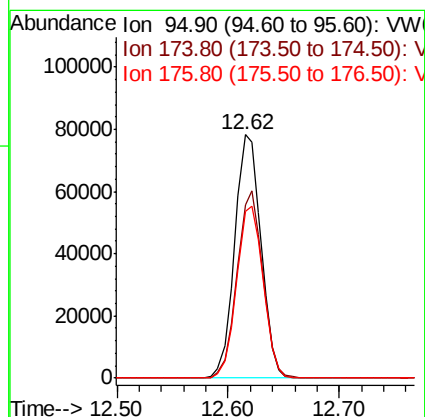
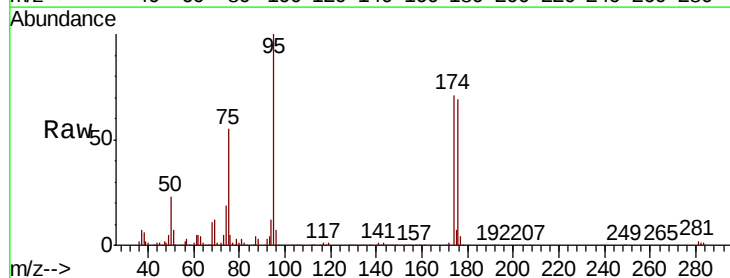
Tgt Ion: 95 Resp: 127918

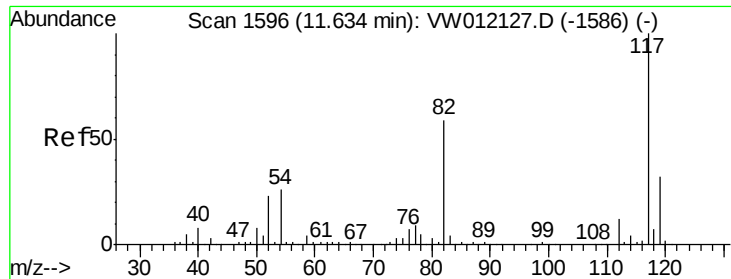
Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.8

176 71.3 0.0 148.6

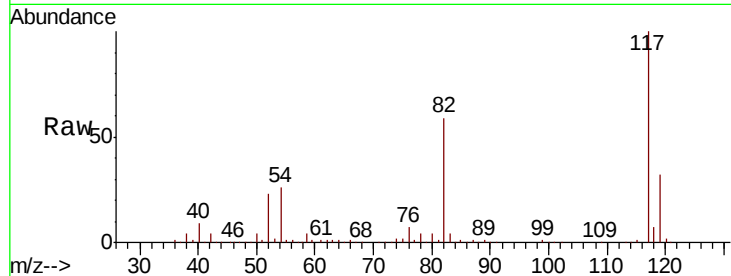




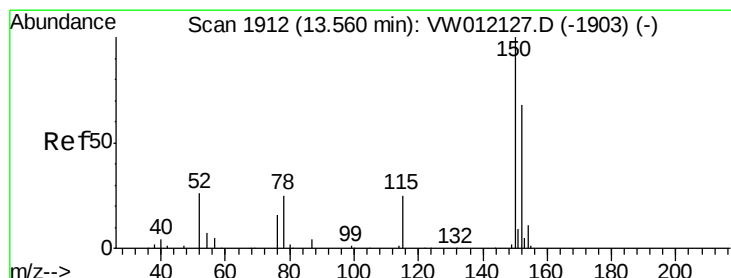
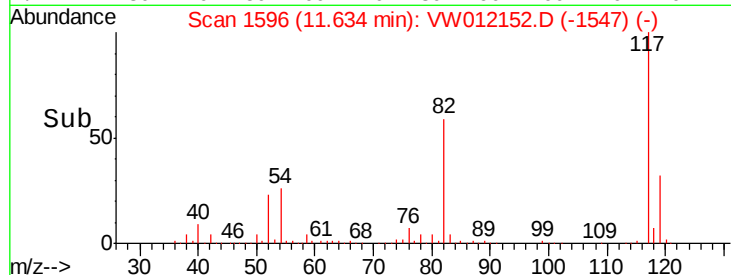
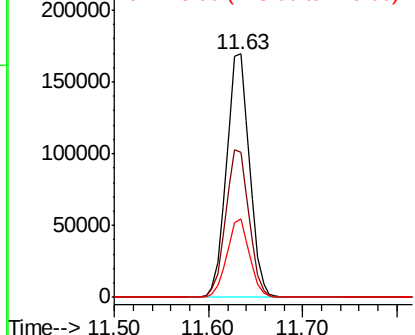
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012152.D
Acq: 23 Aug 2019 23:42

Instrument :
MSVOA_W
ClientSampleId :
T1-2-K3-(2.5)

Tgt Ion:117 Resp: 286999
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 32.2 25.4 38.2

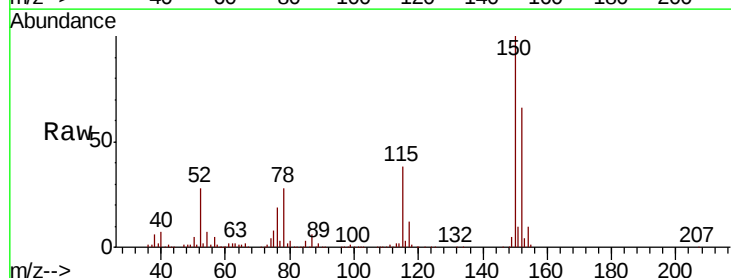


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

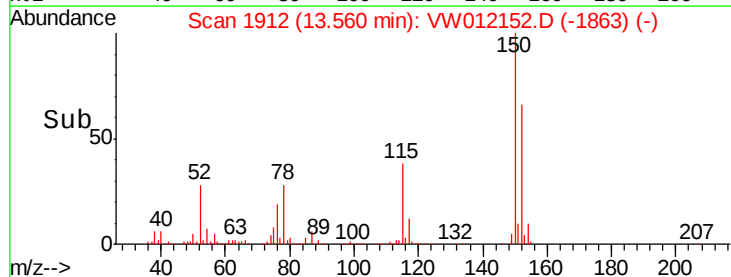
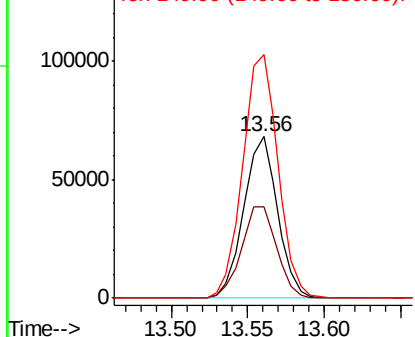


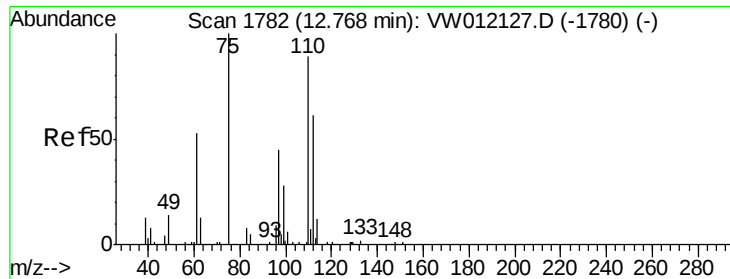
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012152.D
Acq: 23 Aug 2019 23:42

Tgt Ion:152 Resp: 105053
Ion Ratio Lower Upper
152 100
115 59.0 30.1 90.3
150 157.0 0.0 345.8



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

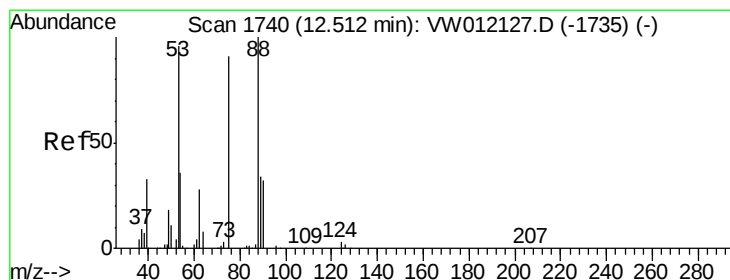
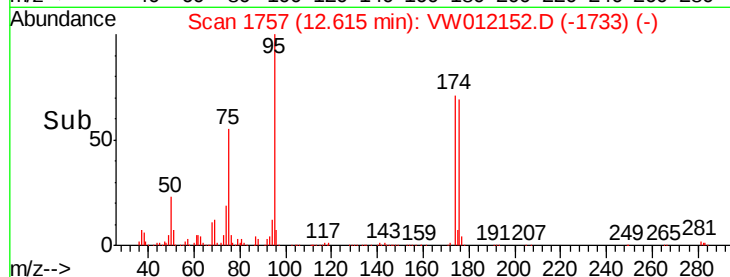
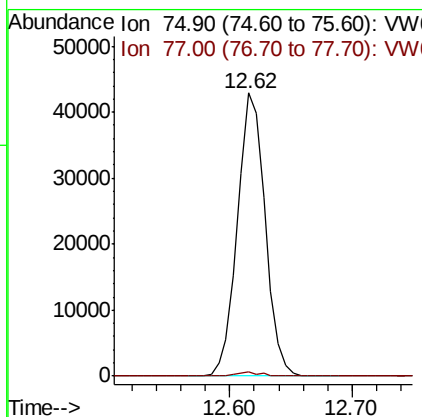
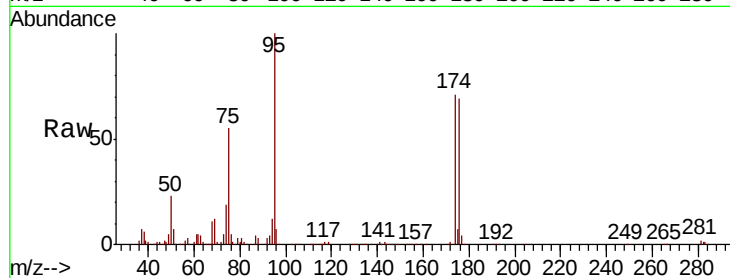




#76
 1,2,3-Trichloropropane
 Concen: 65.761 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012152.D
 Acq: 23 Aug 2019 23:42

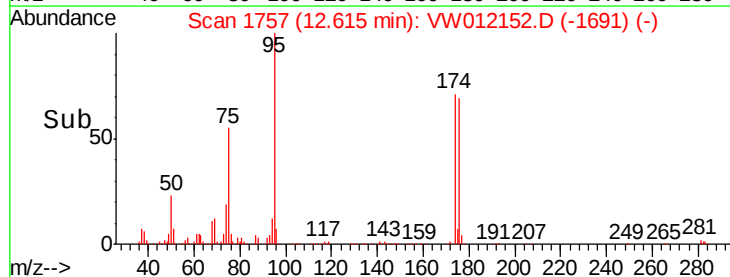
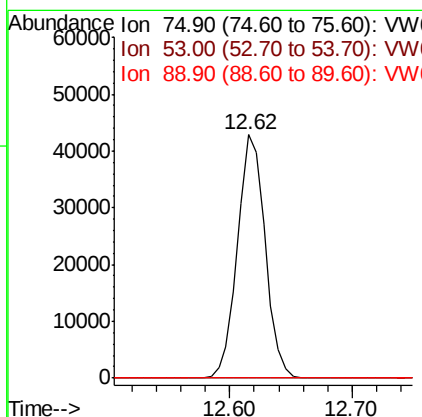
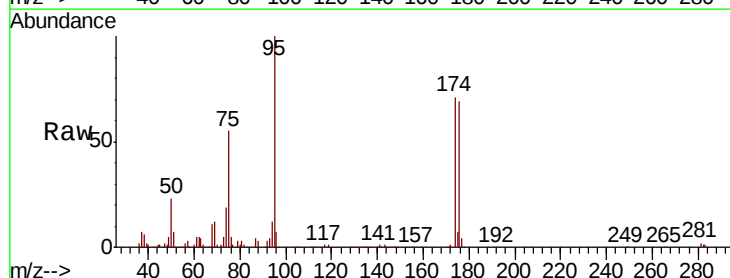
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K3-(2.5)

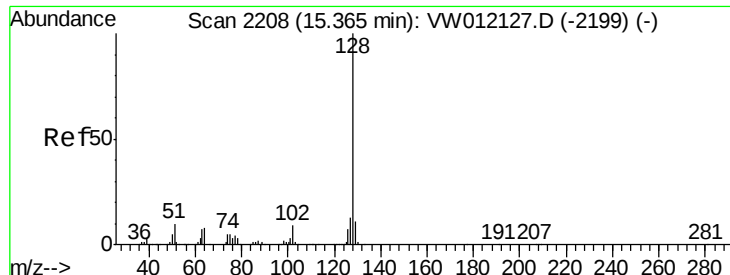
Tgt Ion: 75 Resp: 67283
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.184 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012152.D
 Acq: 23 Aug 2019 23:42

Tgt Ion: 75 Resp: 67283
 Ion Ratio Lower Upper
 75 100
 53 0.0 89.4 134.0#
 89 0.0 34.5 51.7#

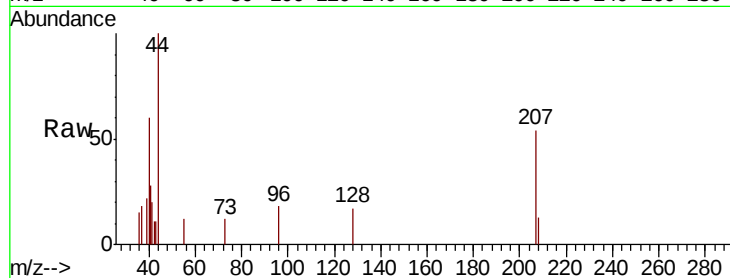




#95
Naphthalene
Concen: 4.339 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012152.D
Acq: 23 Aug 2019 23:42

Instrument :
MSVOA_W
ClientSampleId :
T1-2-K3-(2.5)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#



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

