

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012154.D
 Acq On : 24 Aug 2019 00:34
 Operator : SY/VA
 Sample : K4474-17
 Misc : 5.96G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K4-(2.5)

Quant Time: Aug 26 07:32:11 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	235477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110975	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	156500	55.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.82%	
35) Dibromofluoromethane	7.88	113	121573	51.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.62%	
50) Toluene-d8	10.32	98	472959	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.62	95	138599	41.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.64%	

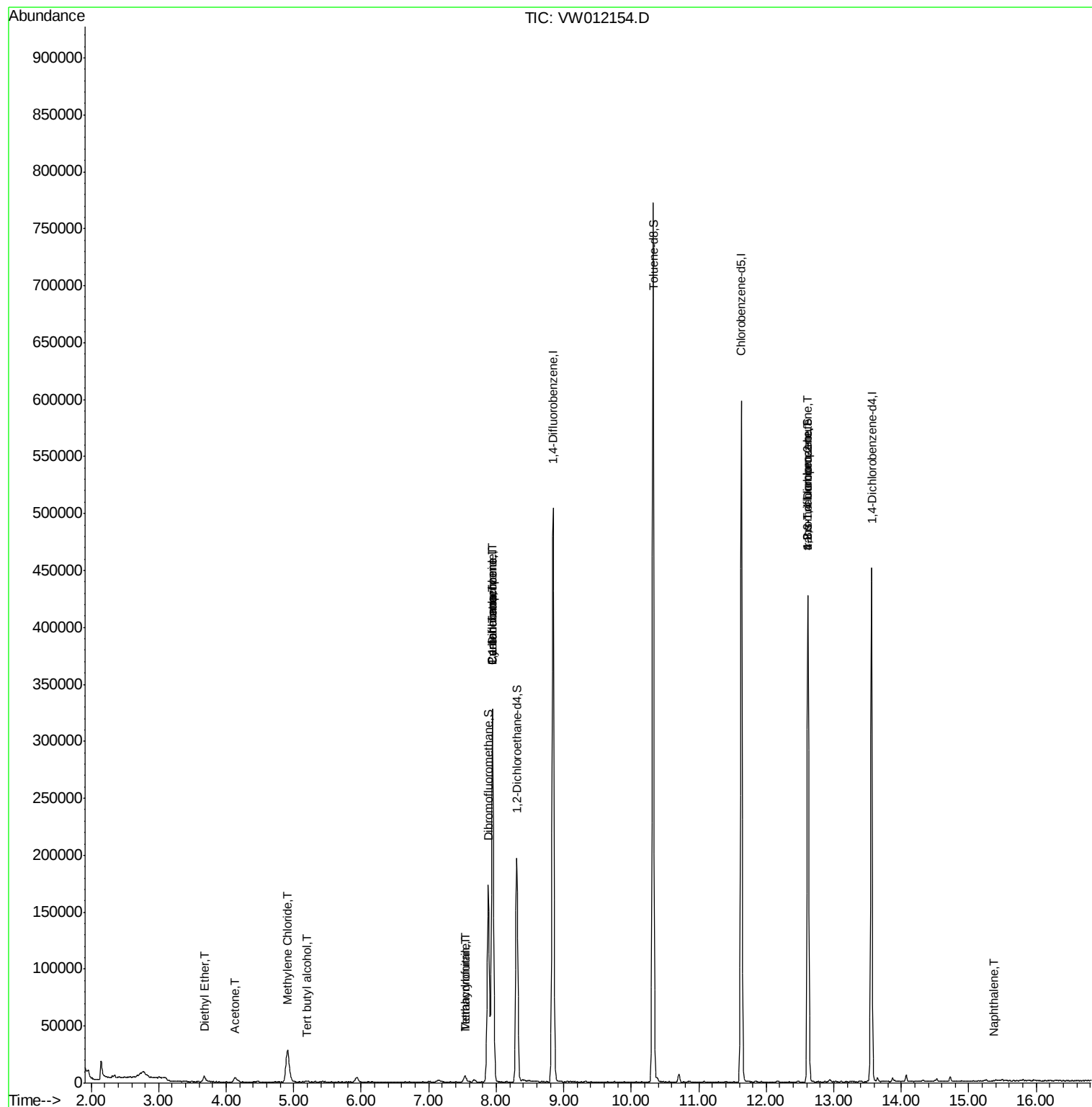
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2703	2.063	ug/l	84
11) Tert butyl alcohol	5.20	59	317	1.882	ug/l #	71
16) Acetone	4.13	43	8070	11.278	ug/l	91
20) Methylene Chloride	4.90	84	21243	7.853	ug/l	95
29) Tetrahydrofuran	7.54	42	5133	8.799	ug/l	97
31) Cyclohexane	7.94	56	6037	1.197	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20392	5.019	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23966	6.816	ug/l #	17
41) Methacrylonitrile	7.53	41	3098	2.368	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	75127	69.509	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75127	152.402	ug/l #	6
95) Naphthalene	15.37	128	101	4.343	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012154.D

Acq: 24 Aug 2019 00:34

Instrument :

MSVOA_W

ClientSampleId :

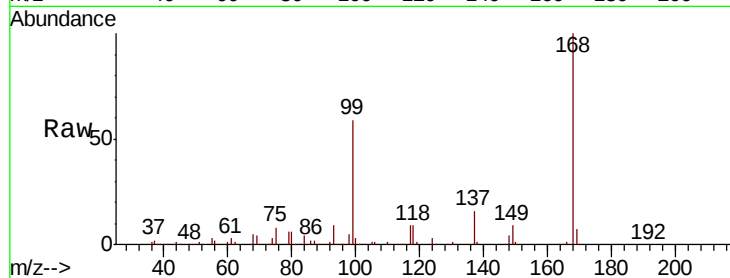
T1-2-K4-(2.5)

Tgt Ion:168 Resp: 235477

Ion Ratio Lower Upper

168 100

99 59.0 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

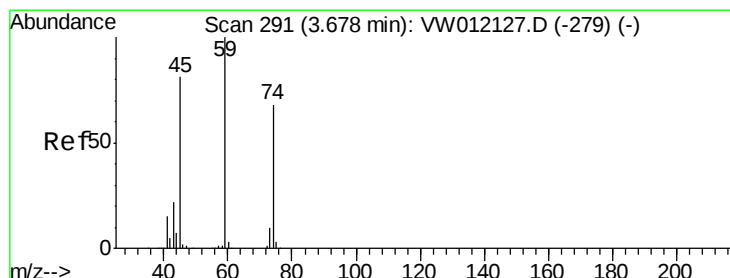
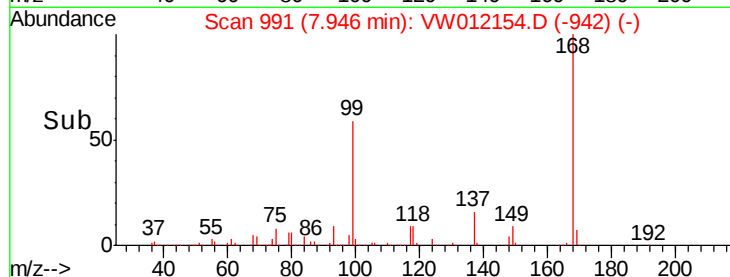
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.063 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012154.D

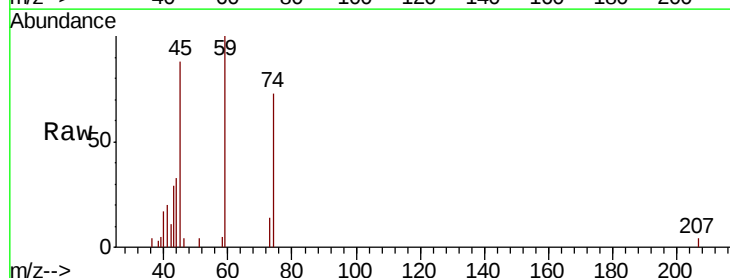
Acq: 24 Aug 2019 00:34

Tgt Ion: 74 Resp: 2703

Ion Ratio Lower Upper

74 100

45 136.0 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

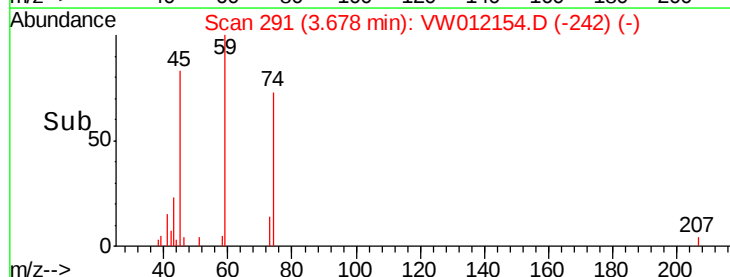
1500

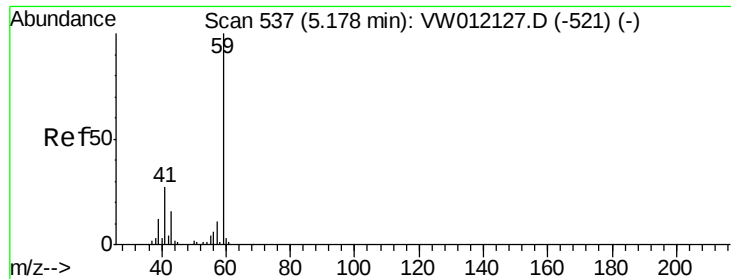
1000

500

0

Time-->

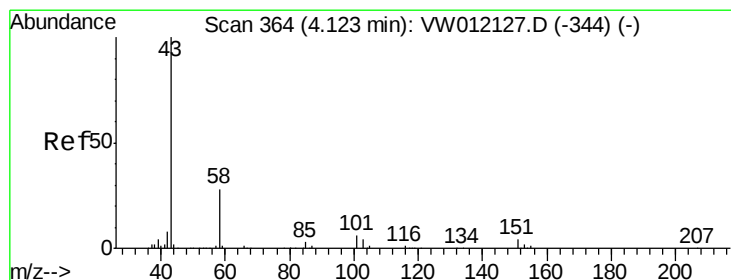
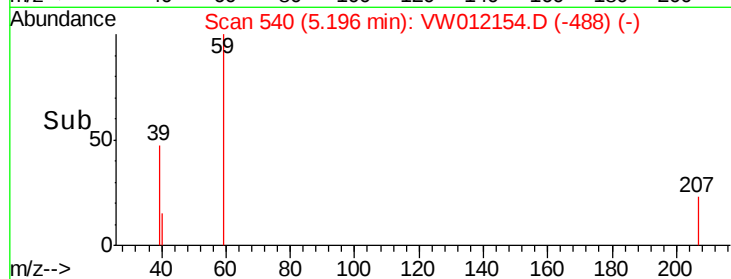
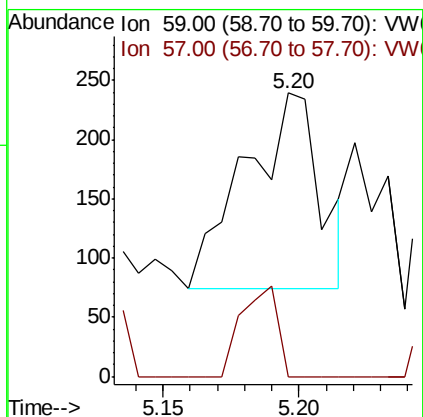
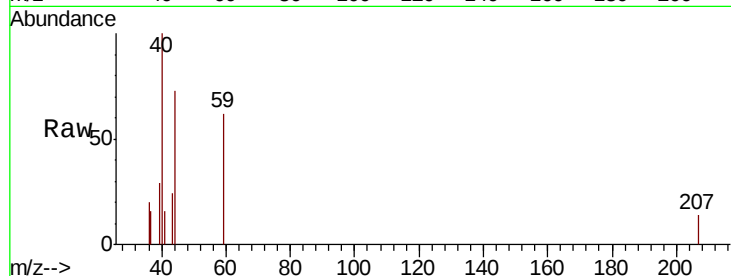




#11
Tert butyl alcohol
Concen: 1.882 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW012154.D
Acq: 24 Aug 2019 00:34

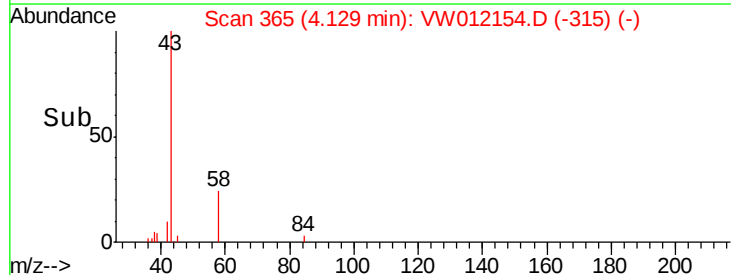
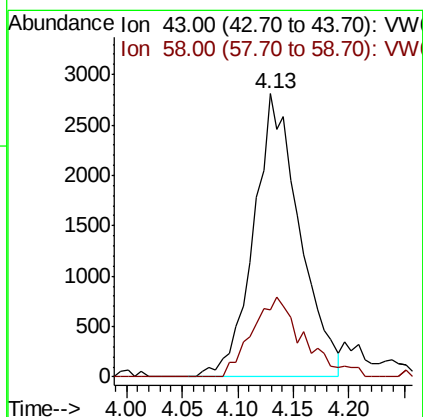
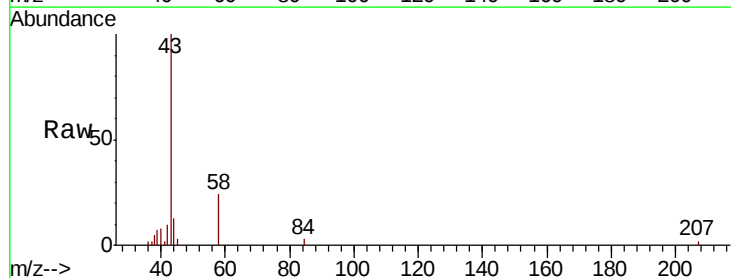
Instrument :
MSVOA_W
ClientSampled :
T1-2-K4-(2.5)

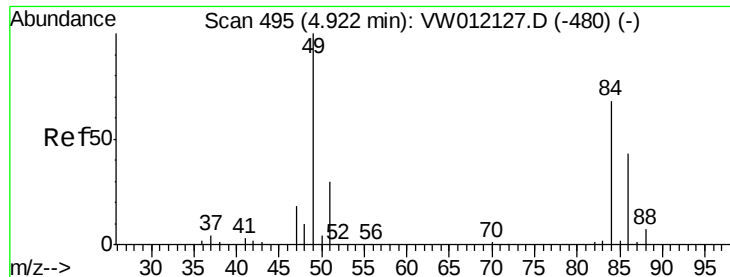
Tgt Ion: 59 Resp: 317
Ion Ratio Lower Upper
59 100
57 22.1 9.0 13.4#



#16
Acetone
Concen: 11.278 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012154.D
Acq: 24 Aug 2019 00:34

Tgt Ion: 43 Resp: 8070
Ion Ratio Lower Upper
43 100
58 23.5 22.4 33.6

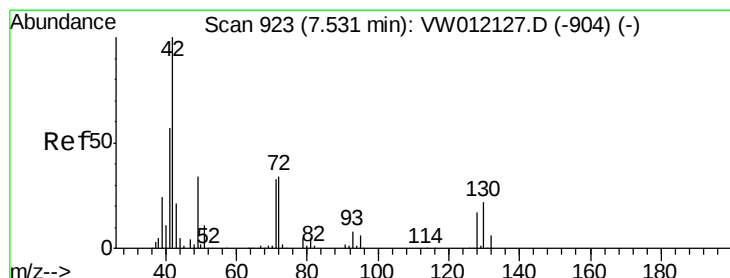
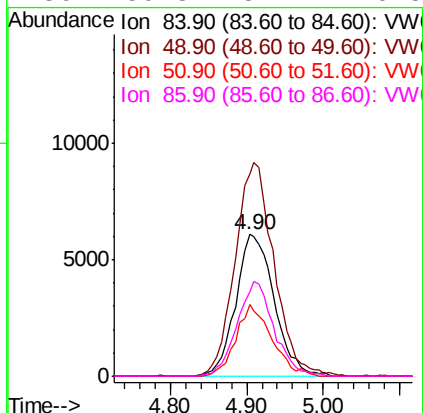
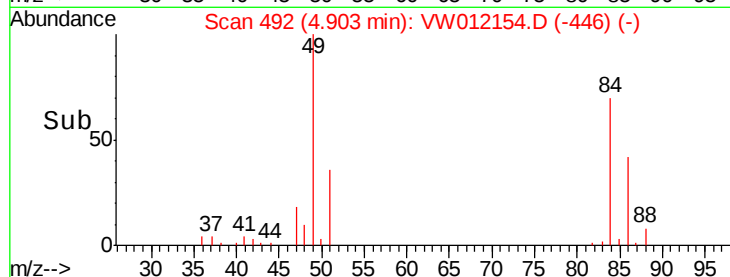
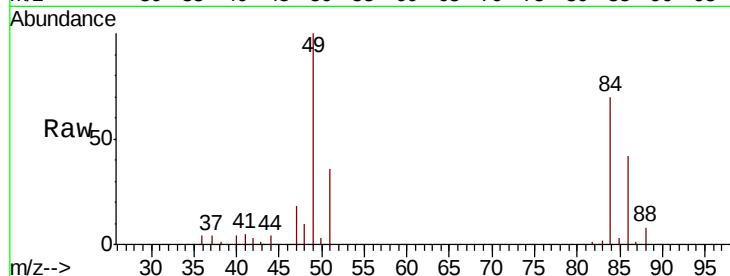




#20
Methylene Chloride
Concen: 7.853 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012154.D
Acq: 24 Aug 2019 00:34

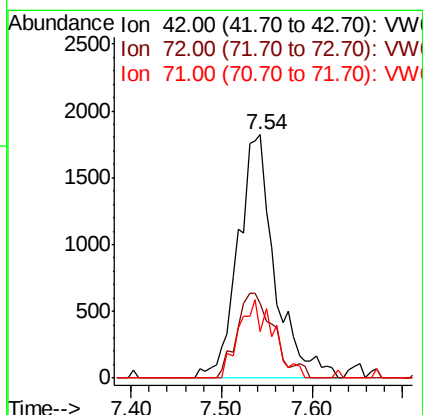
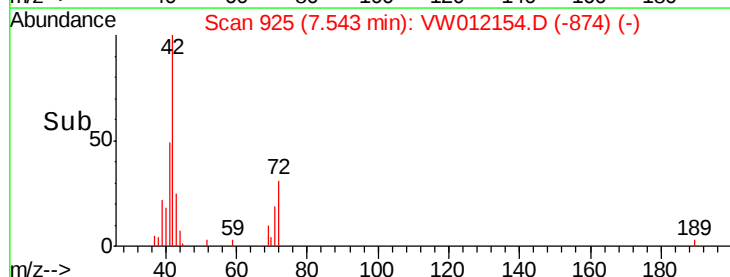
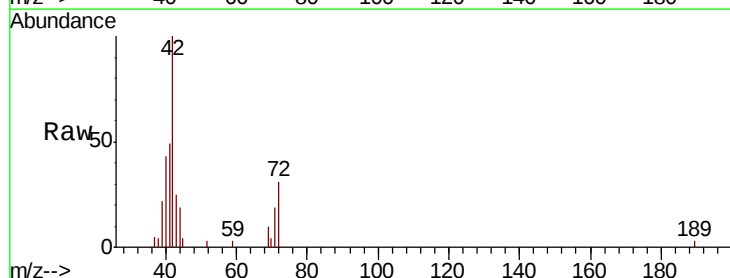
Instrument :
MSVOA_W
ClientSampleId :
T1-2-K4-(2.5)

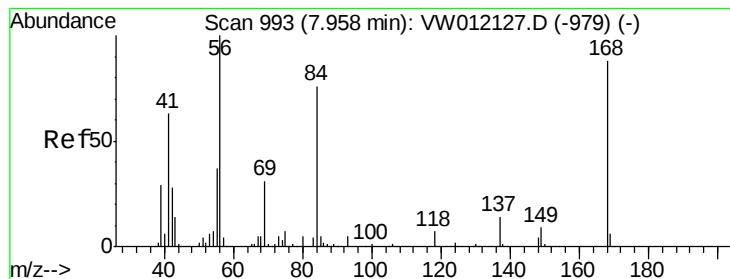
Tgt Ion:	84	Resp:	21243
Ion	Ratio	Lower	Upper
84	100		
49	142.2	117.8	176.8
51	50.6	35.6	53.4
86	59.8	51.2	76.8



#29
Tetrahydrofuran
Concen: 8.799 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012154.D
Acq: 24 Aug 2019 00:34

Tgt Ion:	42	Resp:	5133
Ion	Ratio	Lower	Upper
42	100		
72	35.2	27.3	40.9
71	30.1	25.5	38.3





#31

Cyclohexane

Concen: 1.197 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012154.D

Acq: 24 Aug 2019 00:34

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K4-(2.5)

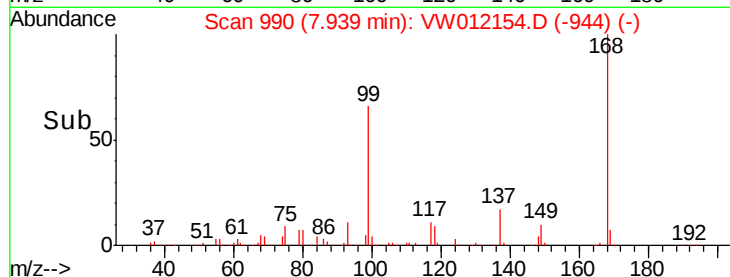
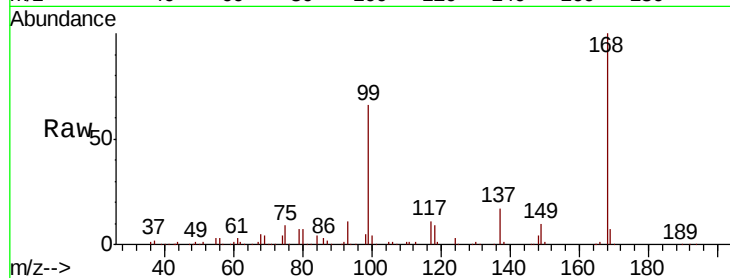
Tgt Ion: 56 Resp: 6037

Ion Ratio Lower Upper

56 100

69 149.8 24.9 37.3#

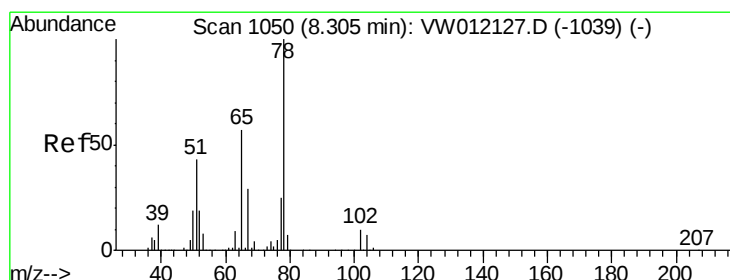
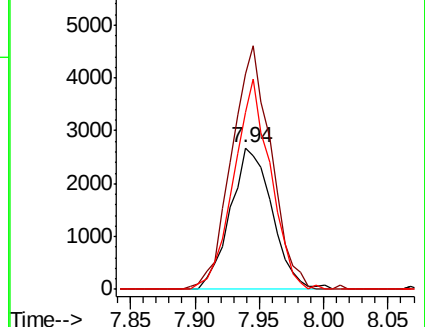
84 124.6 60.6 90.8#



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: 55.908 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012154.D

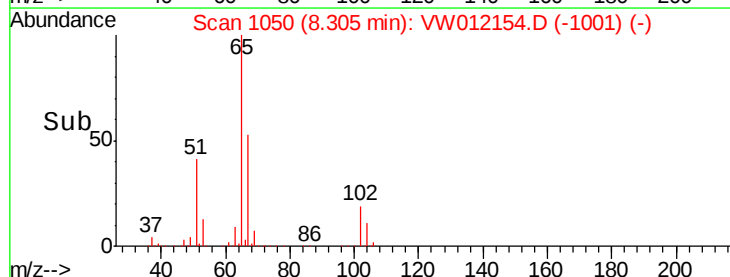
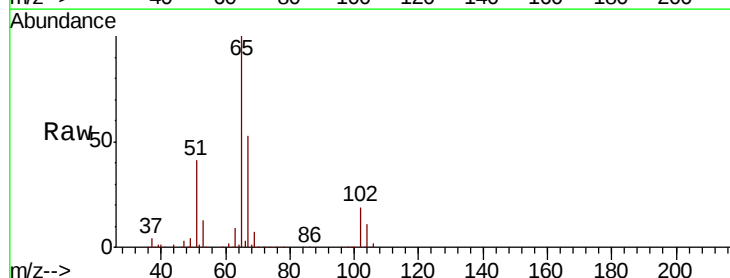
Acq: 24 Aug 2019 00:34

Tgt Ion: 65 Resp: 156500

Ion Ratio Lower Upper

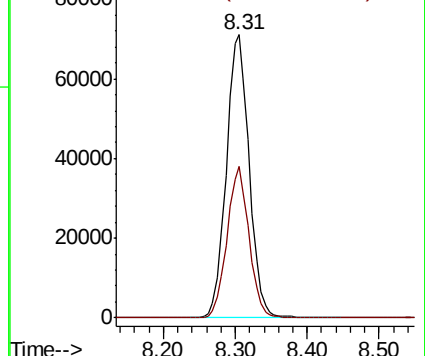
65 100

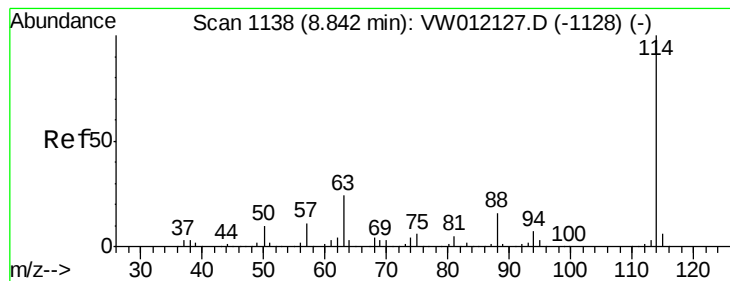
67 51.4 0.0 102.6



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: VW012154.D

Acq: 24 Aug 2019 00:34

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K4-(2.5)

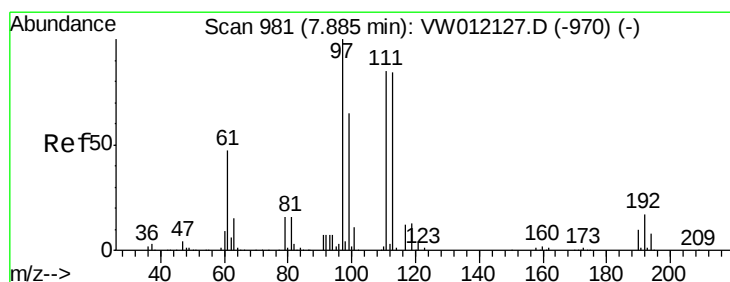
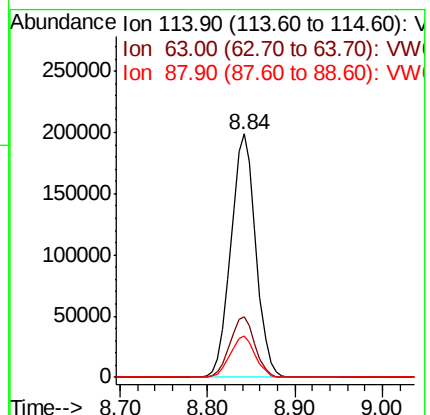
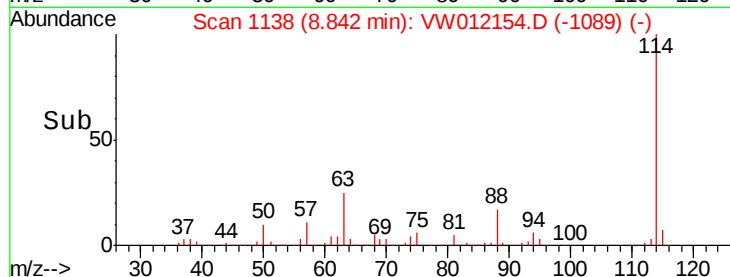
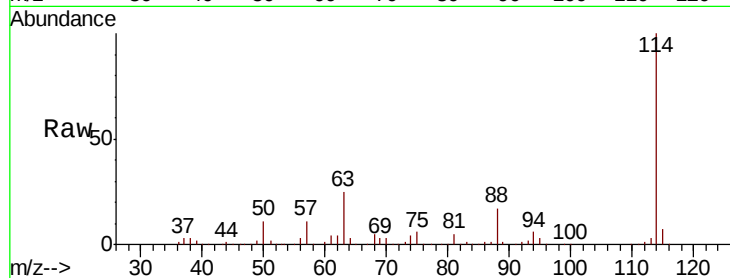
Tgt Ion:114 Resp: 393139

Ion Ratio Lower Upper

114 100

63 25.0 0.0 48.6

88 16.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 51.807 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012154.D

Acq: 24 Aug 2019 00:34

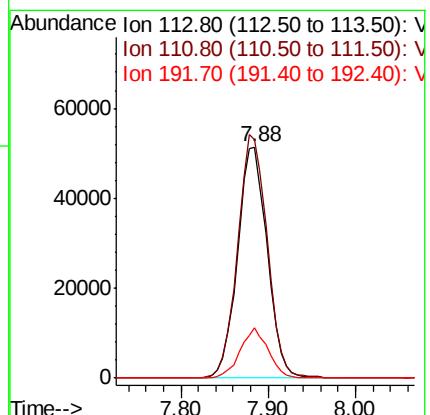
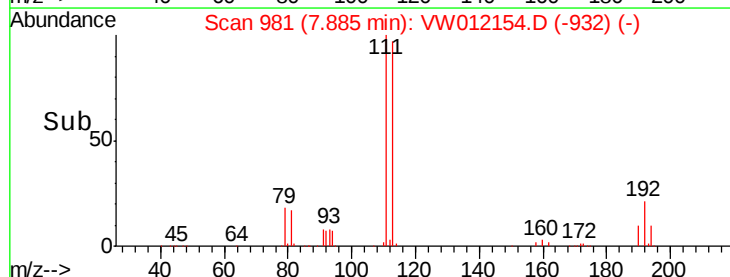
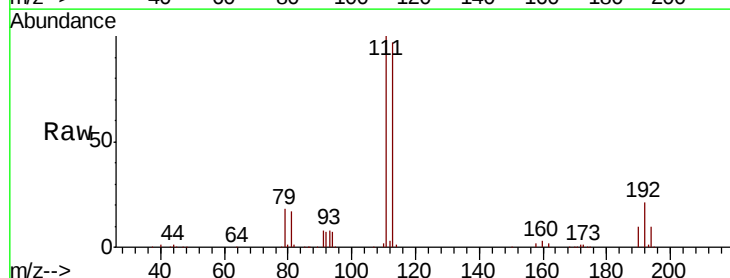
Tgt Ion:113 Resp: 121573

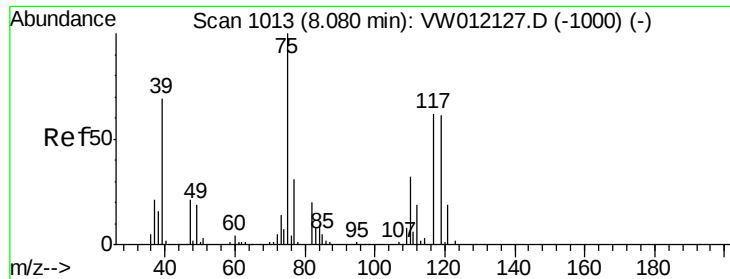
Ion Ratio Lower Upper

113 100

111 105.1 82.7 124.1

192 20.4 16.2 24.2

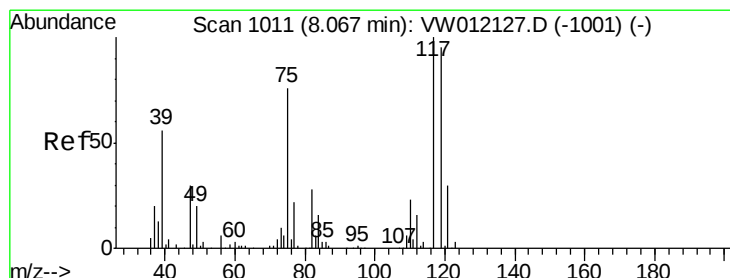
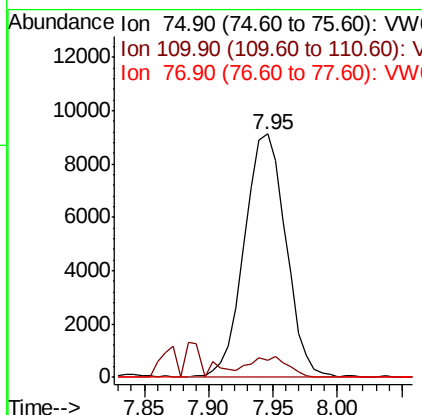
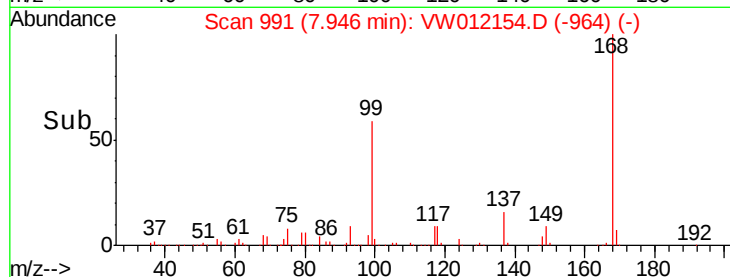
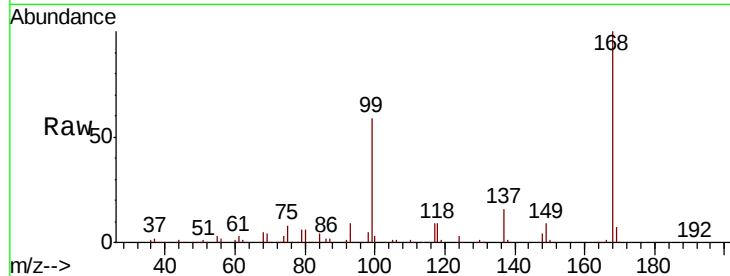




#36
 1,1-Dichloropropene
 Concen: 5.019 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012154.D
 Acq: 24 Aug 2019 00:34

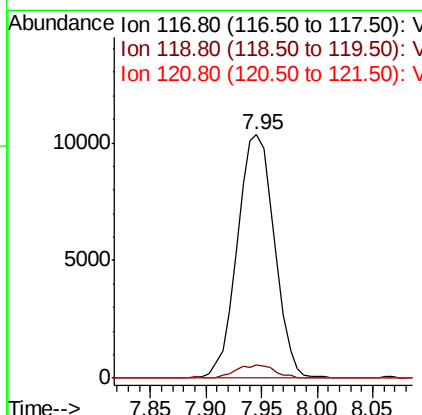
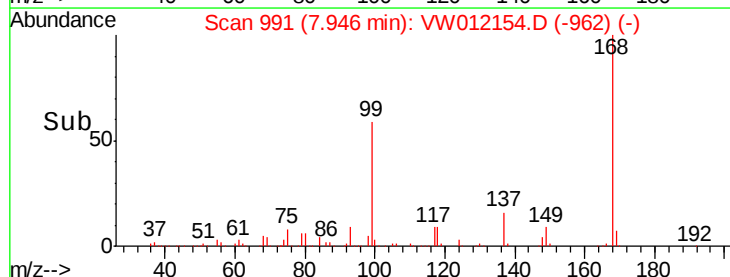
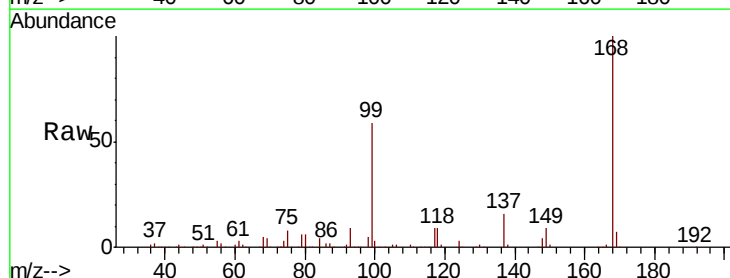
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K4-(2.5)

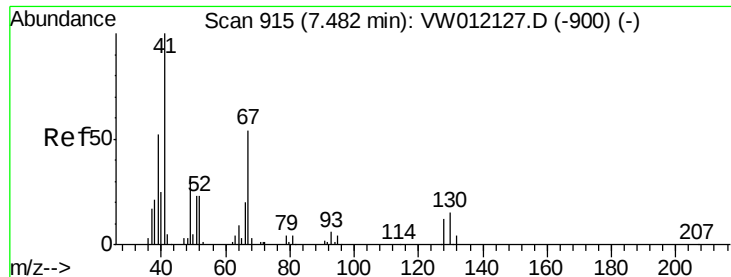
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	15.6	46.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.816 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012154.D
 Acq: 24 Aug 2019 00:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.2	114.2#
121	0.0	23.8	35.8#





#41

Methacrylonitrile

Concen: 2.368 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012154.D

Acq: 24 Aug 2019 00:34

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K4-(2.5)

Tgt Ion: 41 Resp: 3098

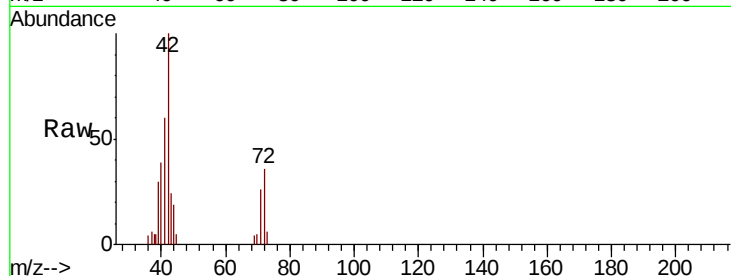
Ion Ratio Lower Upper

41 100

39 54.2 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

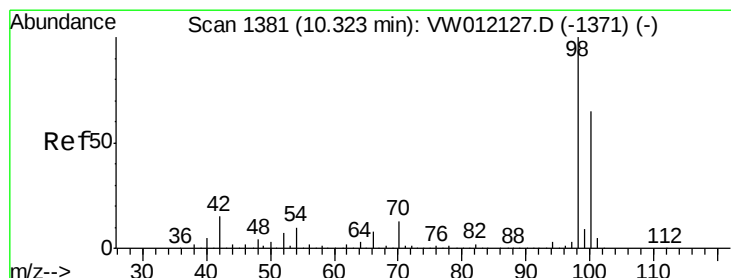
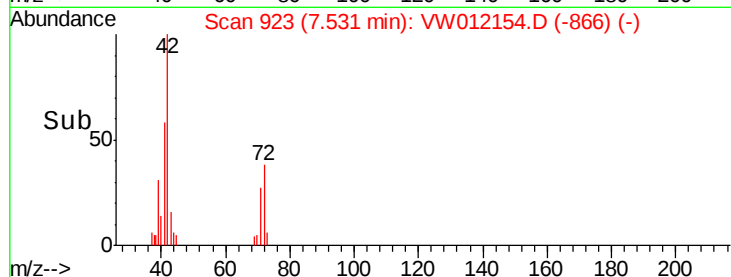
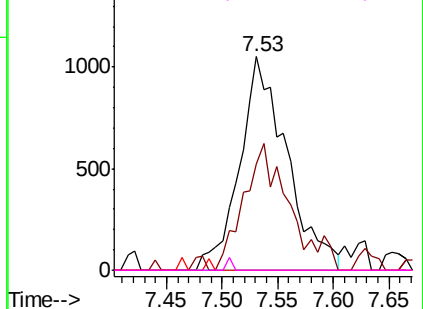


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 49.707 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012154.D

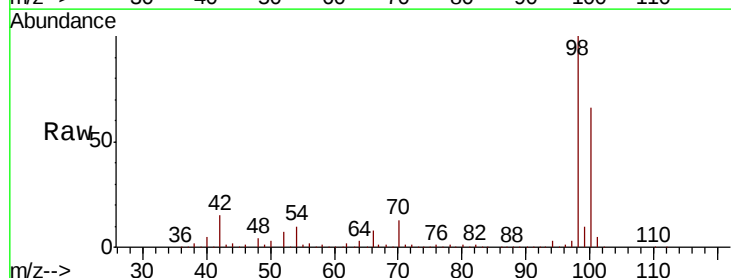
Acq: 24 Aug 2019 00:34

Tgt Ion: 98 Resp: 472959

Ion Ratio Lower Upper

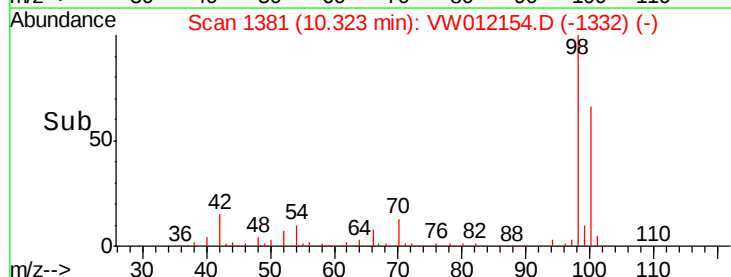
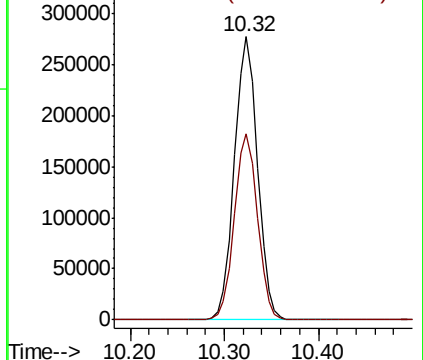
98 100

100 65.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 41.323 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012154.D

Acq: 24 Aug 2019 00:34

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K4-(2.5)

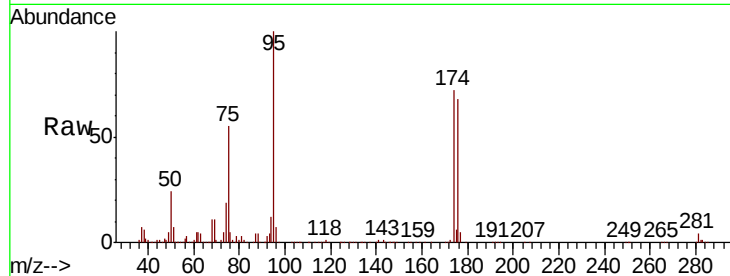
Tgt Ion: 95 Resp: 138599

Ion Ratio Lower Upper

95 100

174 76.5 0.0 150.8

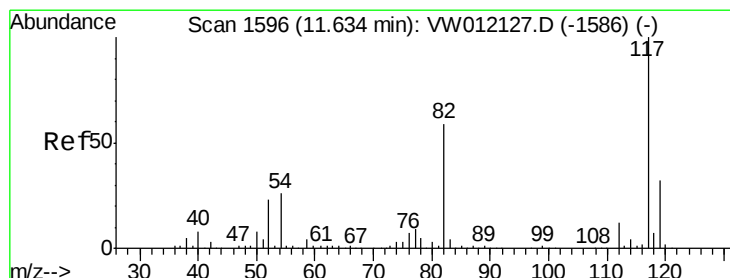
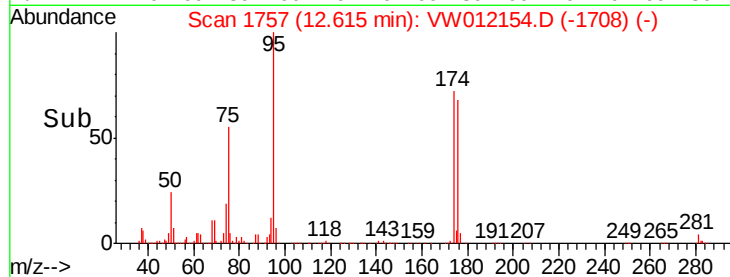
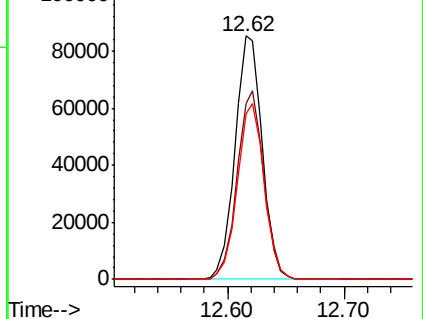
176 71.6 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW012154.D

Acq: 24 Aug 2019 00:34

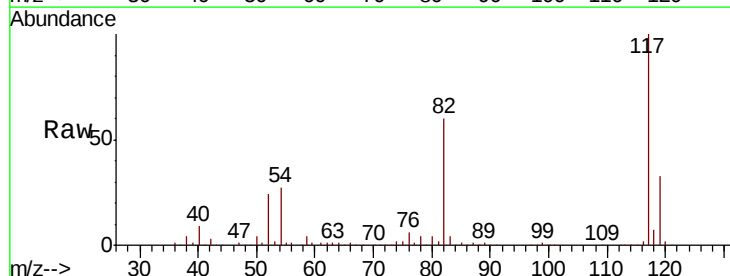
Tgt Ion: 117 Resp: 312572

Ion Ratio Lower Upper

117 100

82 60.3 47.4 71.2

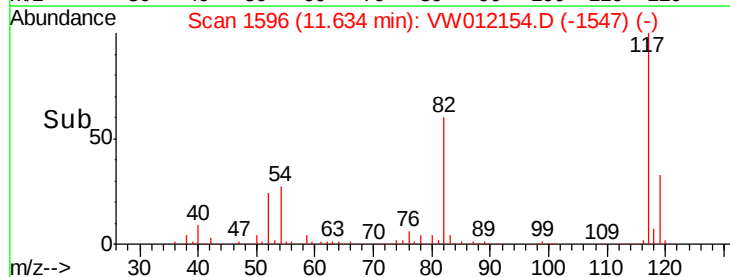
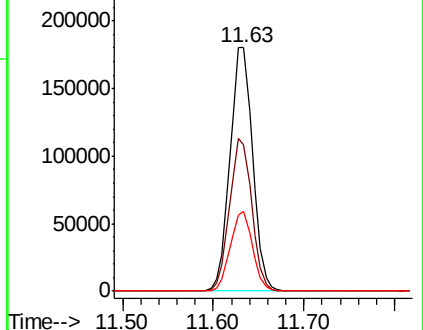
119 32.6 25.4 38.2

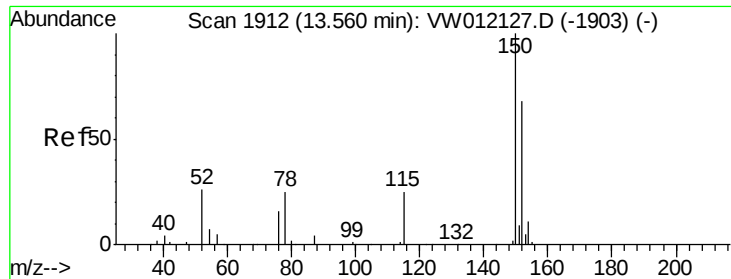


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

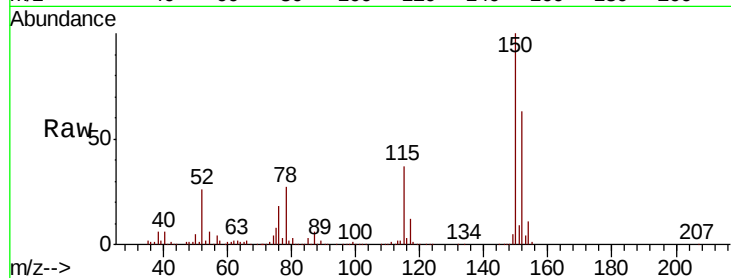




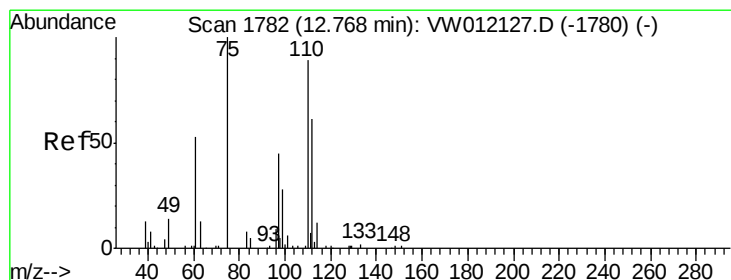
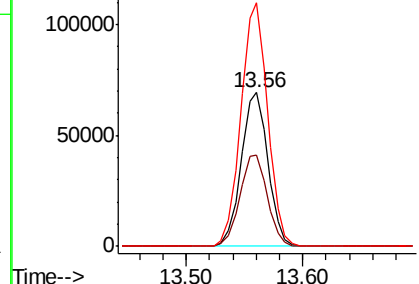
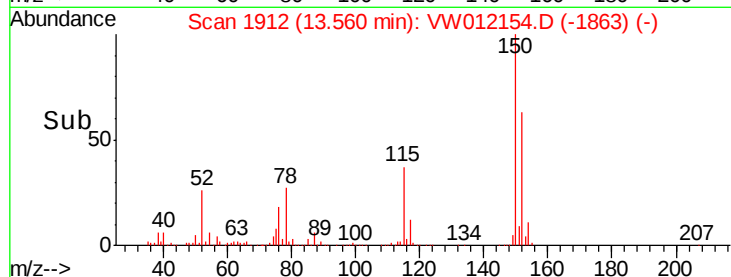
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW012154.D
 Acq: 24 Aug 2019 00:34

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K4-(2.5)

Tgt Ion:152 Resp: 110975
 Ion Ratio Lower Upper
 152 100
 115 60.5 30.1 90.3
 150 158.2 0.0 345.8

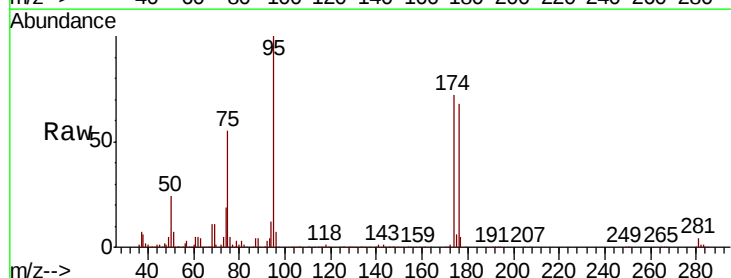


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

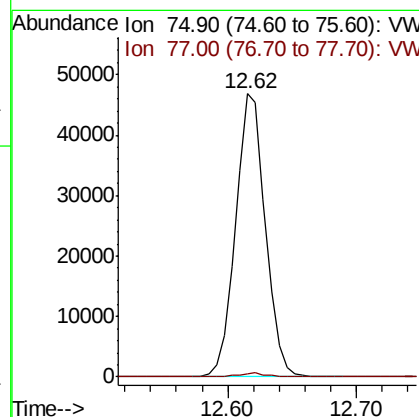
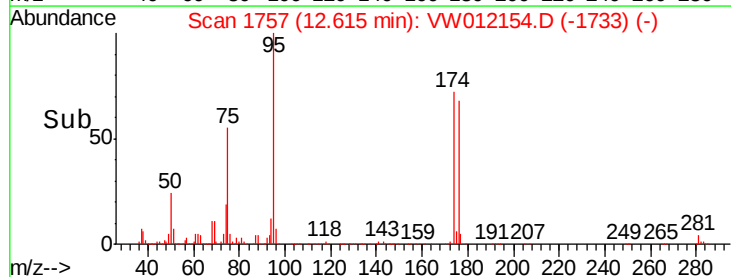


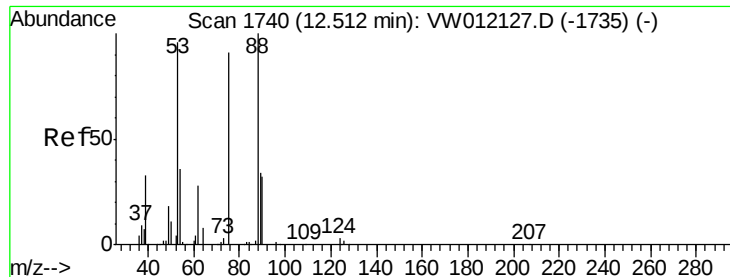
#76
 1,2,3-Trichloropropane
 Concen: 69.509 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012154.D
 Acq: 24 Aug 2019 00:34

Tgt Ion: 75 Resp: 75127
 Ion Ratio Lower Upper
 75 100
 77 1.4 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: 152.402 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012154.D

Acq: 24 Aug 2019 00:34

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K4-(2.5)

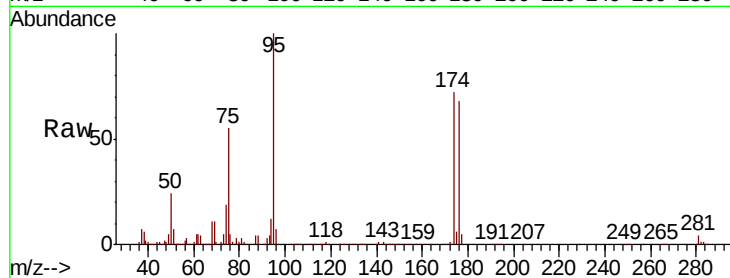
Tgt Ion: 75 Resp: 75127

Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

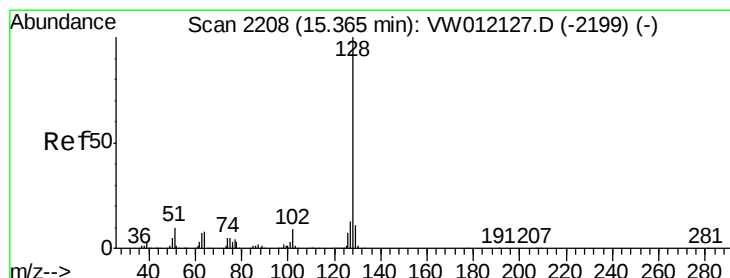
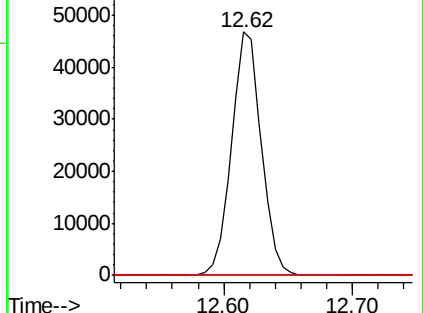
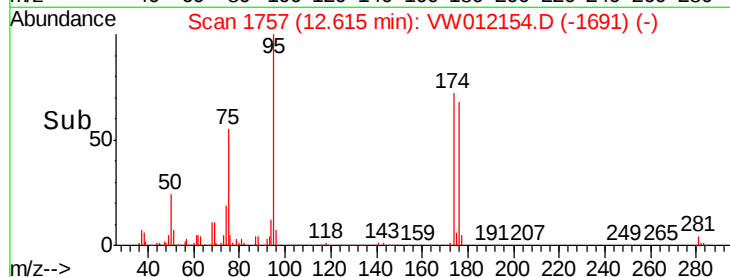
89 0.0 34.5 51.7#



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: 4.343 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012154.D

Acq: 24 Aug 2019 00:34

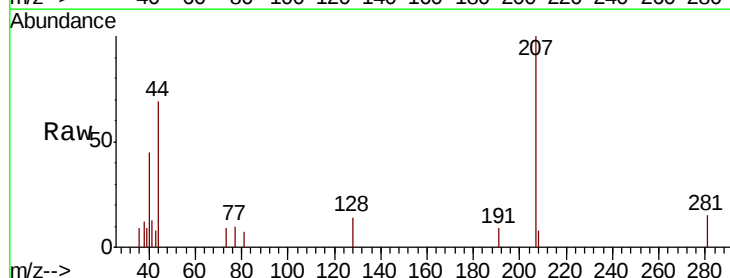
Tgt Ion: 128 Resp: 101

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

