

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012150.D
 Acq On : 23 Aug 2019 22:50
 Operator : SY/VA
 Sample : K4474-13
 Misc : 5.22G/5ML/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K2-(2.5)

Quant Time: Aug 26 07:31:26 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	210931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	356964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	284925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	95552	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	141994	56.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.26%	
35) Dibromofluoromethane	7.88	113	110823	52.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.02%	
50) Toluene-d8	10.32	98	434470	50.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.62	95	124389	40.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.68%	

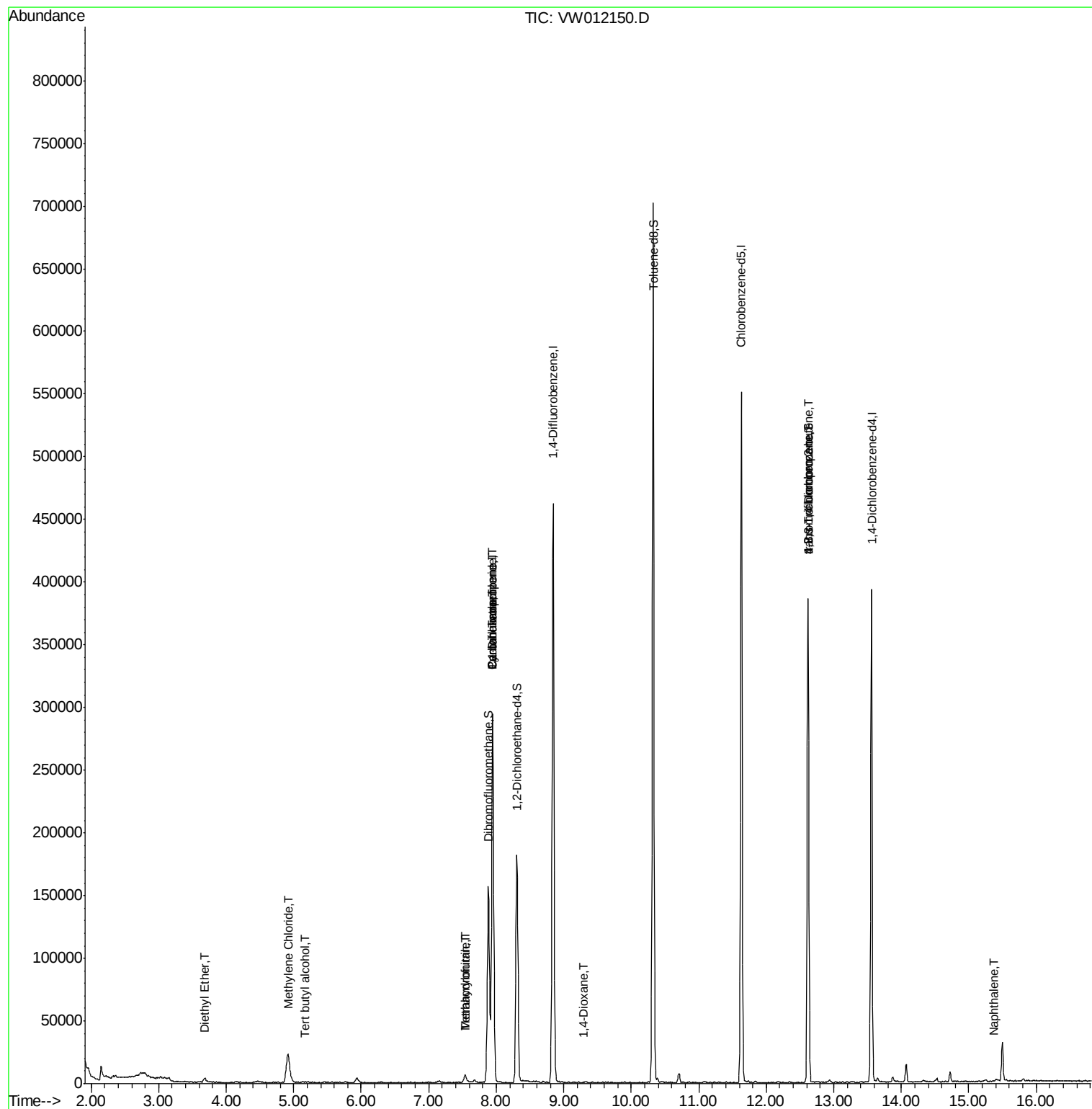
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1666	1.419	ug/l #	35
11) Tert butyl alcohol	5.17	59	209	1.385	ug/l #	71
20) Methylene Chloride	4.91	84	18015	7.435	ug/l	96
29) Tetrahydrofuran	7.54	42	5639	10.791	ug/l	97
31) Cyclohexane	7.95	56	5413	1.199	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	18765	5.087	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22111	6.925	ug/l #	15
41) Methacrylonitrile	7.53	41	3525	2.967	ug/l #	56
49) 1,4-Dioxane	9.29	88	42	2.275	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	67469	72.500	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67469	158.959	ug/l #	6
95) Naphthalene	15.37	128	142	4.357	ug/l #	69

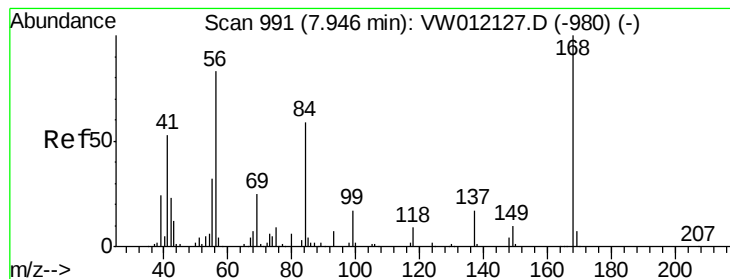
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012150.D

Acq: 23 Aug 2019 22:50

Instrument :

MSVOA_W

ClientSampleId :

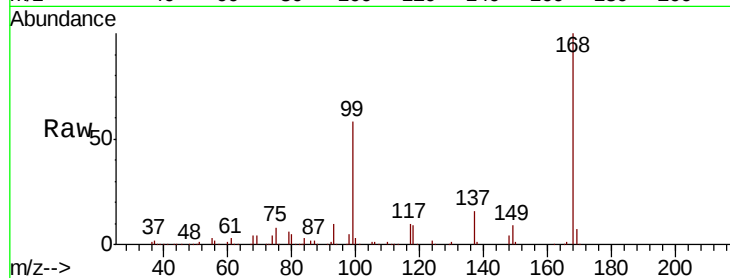
T1-2-K2-(2.5)

Tgt Ion:168 Resp: 210931

Ion Ratio Lower Upper

168 100

99 58.2 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

100000

80000

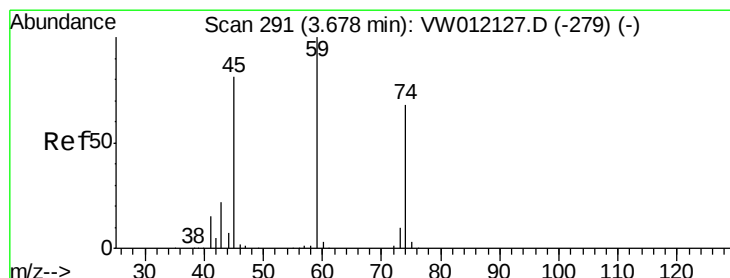
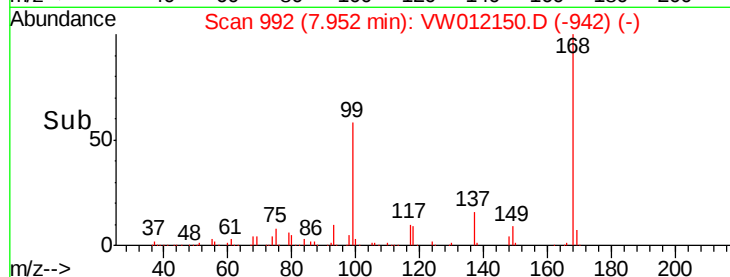
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.419 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012150.D

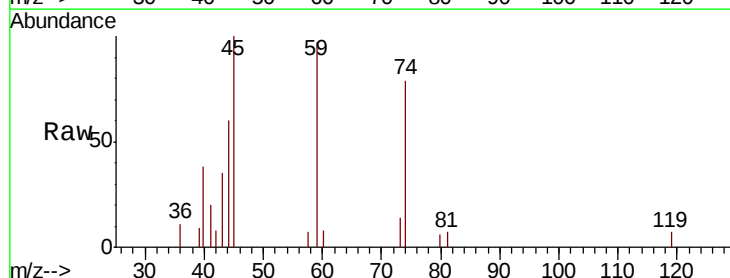
Acq: 23 Aug 2019 22:50

Tgt Ion: 74 Resp: 1666

Ion Ratio Lower Upper

74 100

45 190.1 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

1000

800

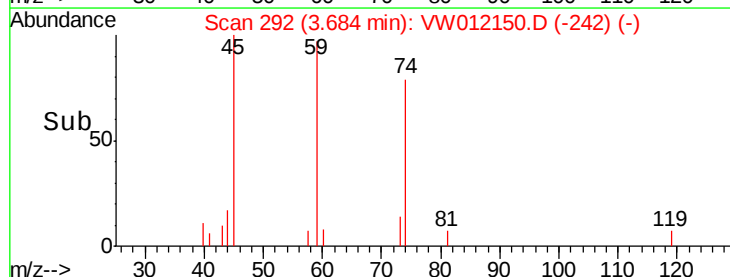
600

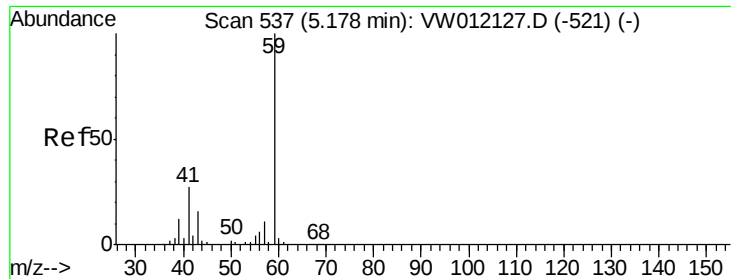
400

200

0

Time-->

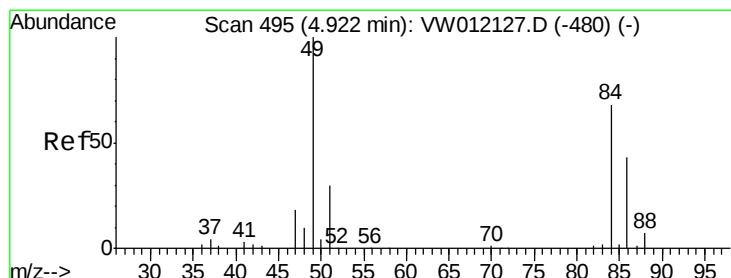
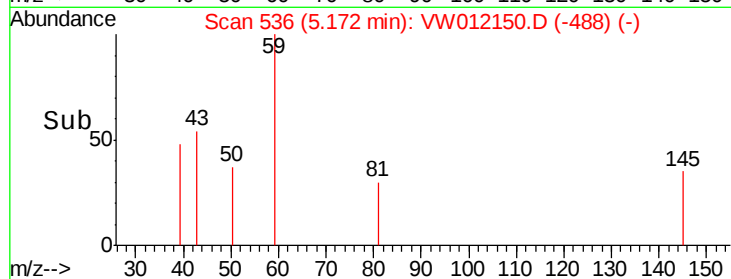
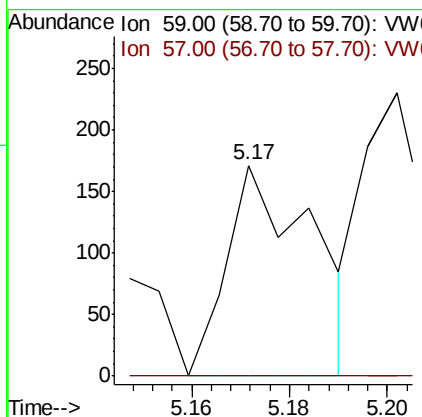
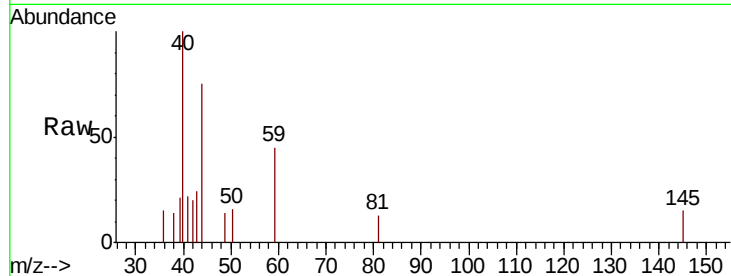




#11
Tert butyl alcohol
Concen: 1.385 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012150.D
Acq: 23 Aug 2019 22:50

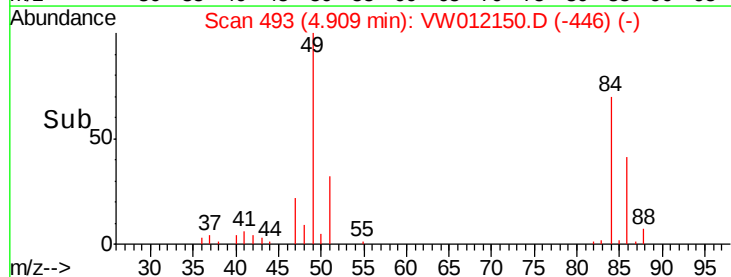
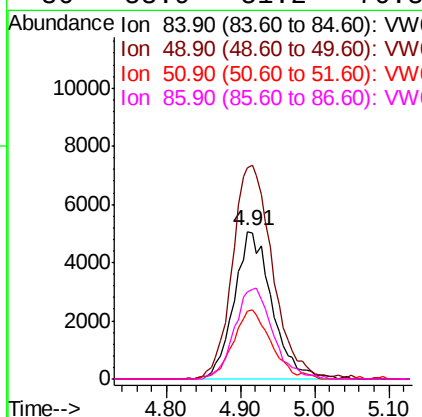
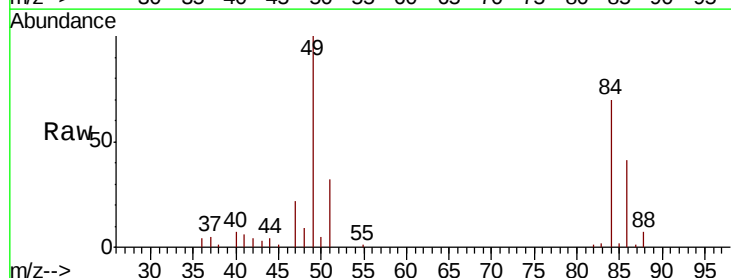
Instrument :
MSVOA_W
ClientSampleId :
T1-2-K2-(2.5)

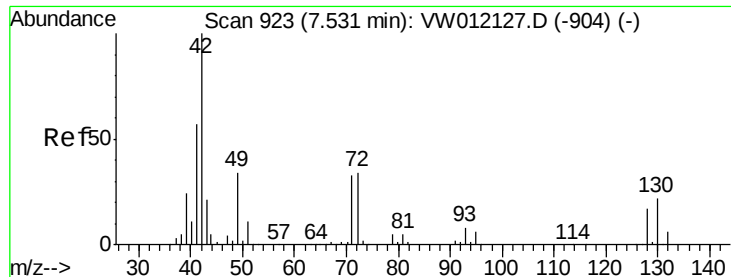
Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#20
Methylene Chloride
Concen: 7.435 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012150.D
Acq: 23 Aug 2019 22:50

Tgt Ion: 84 Resp: 18015
Ion Ratio Lower Upper
84 100
49 142.2 117.8 176.8
51 46.4 35.6 53.4
86 58.9 51.2 76.8





#29

Tetrahydrofuran

Concen: 10.791 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012150.D

Acq: 23 Aug 2019 22:50

Instrument :

MSVOA_W

ClientSampled :

T1-2-K2-(2.5)

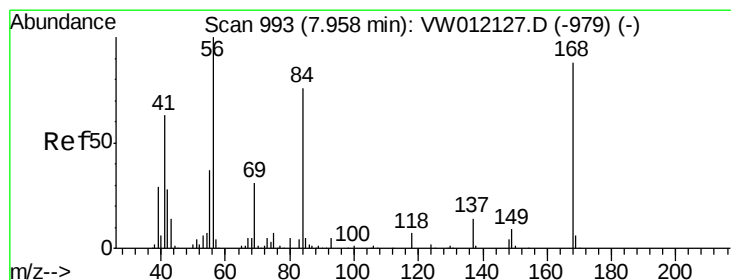
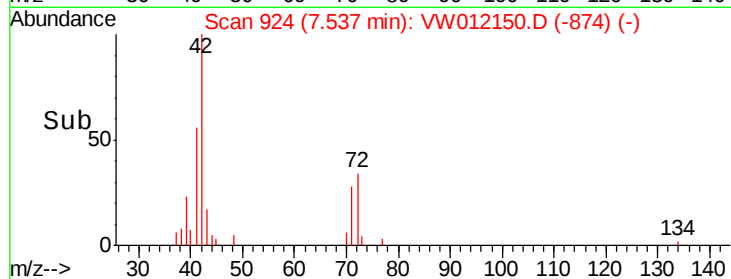
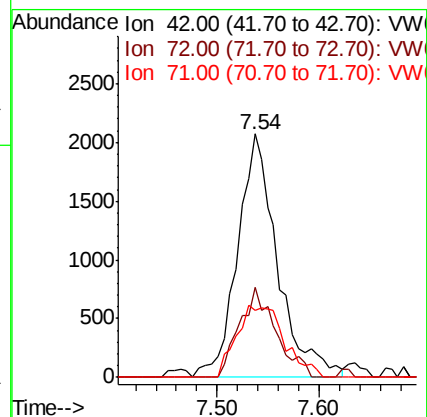
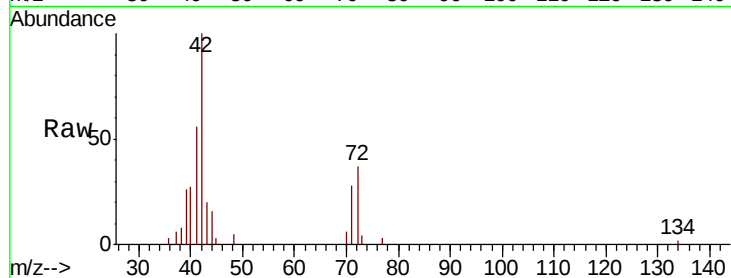
Tgt Ion: 42 Resp: 5639

Ion Ratio Lower Upper

42 100

72 33.7 27.3 40.9

71 35.1 25.5 38.3



#31

Cyclohexane

Concen: 1.199 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012150.D

Acq: 23 Aug 2019 22:50

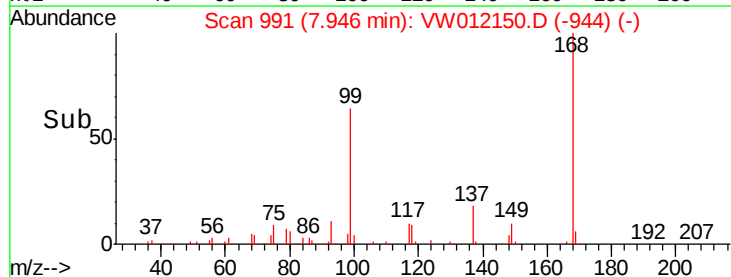
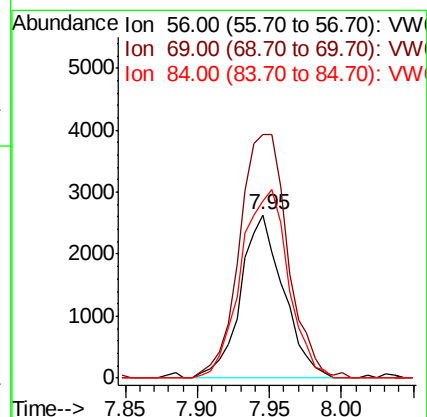
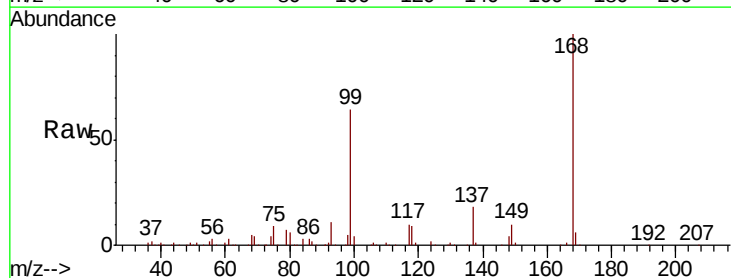
Tgt Ion: 56 Resp: 5413

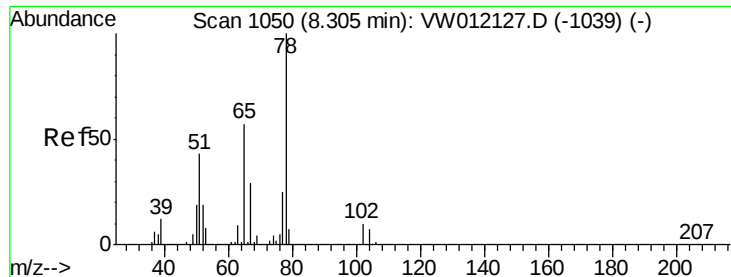
Ion Ratio Lower Upper

56 100

69 149.4 24.9 37.3#

84 108.7 60.6 90.8#

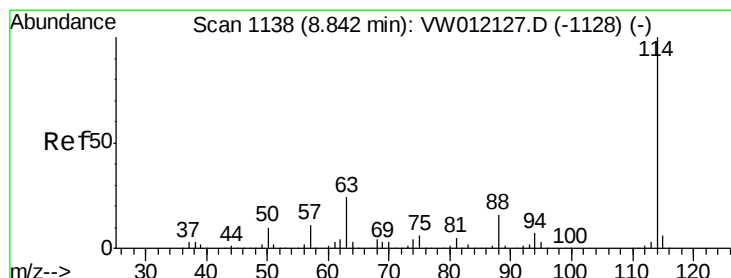
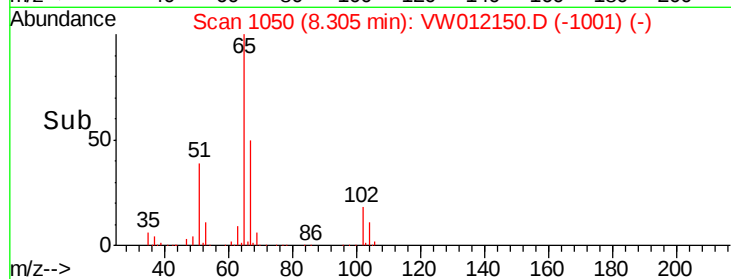
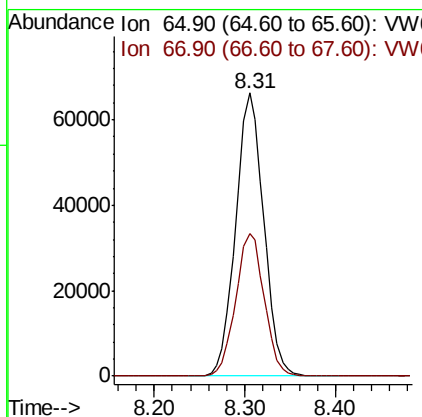
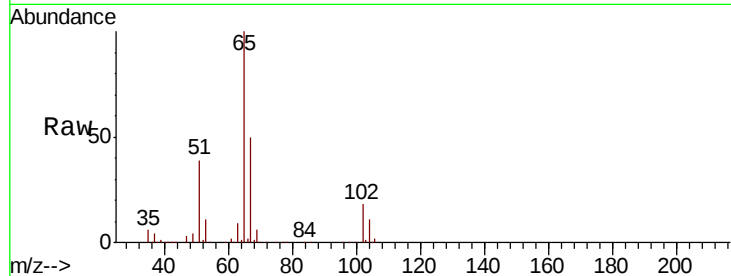




#33
 1,2-Dichloroethane-d4
 Concen: 56.629 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012150.D
 Acq: 23 Aug 2019 22:50

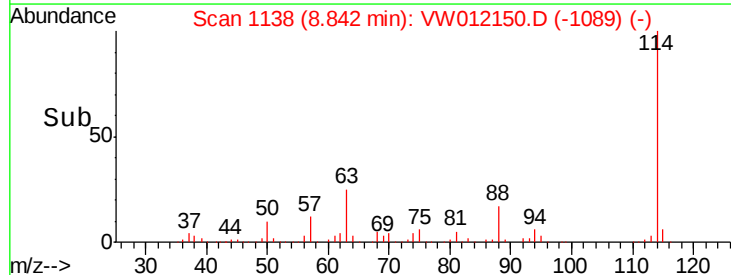
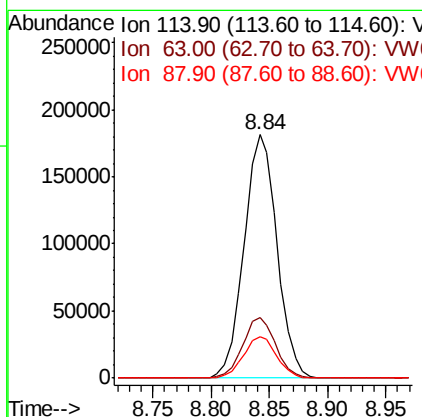
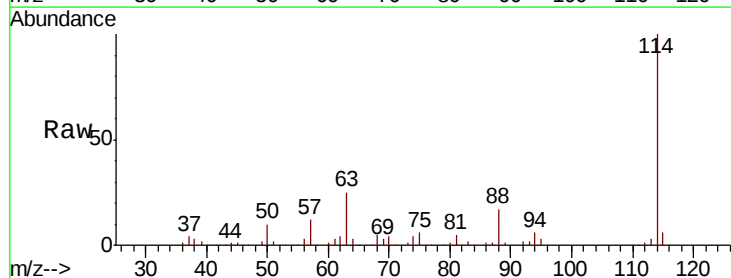
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K2-(2.5)

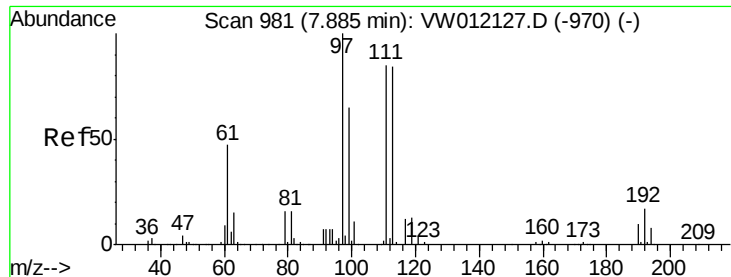
Tgt Ion: 65 Resp: 141994
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012150.D
 Acq: 23 Aug 2019 22:50

Tgt Ion: 114 Resp: 356964
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.6
 88 17.2 0.0 32.2

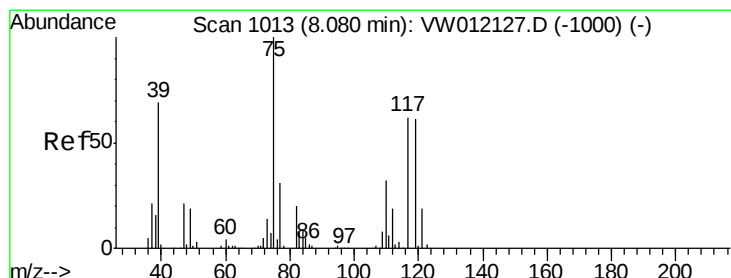
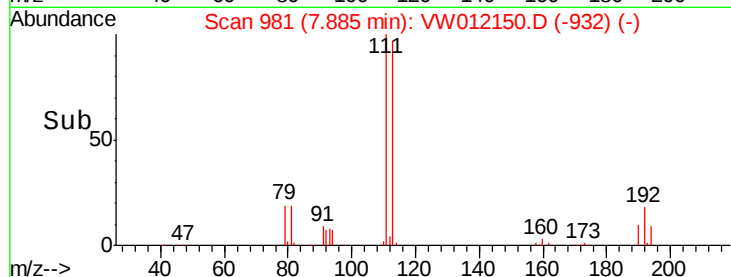
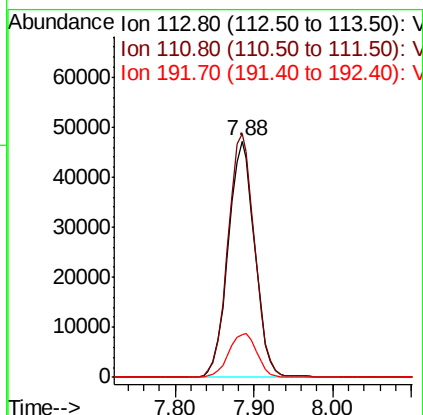
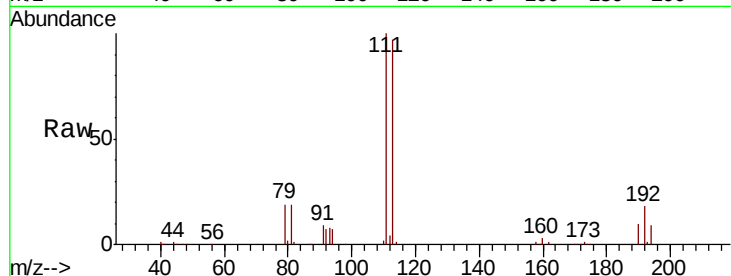




#35
 Dibromofluoromethane
 Concen: 52.012 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012150.D
 Acq: 23 Aug 2019 22:50

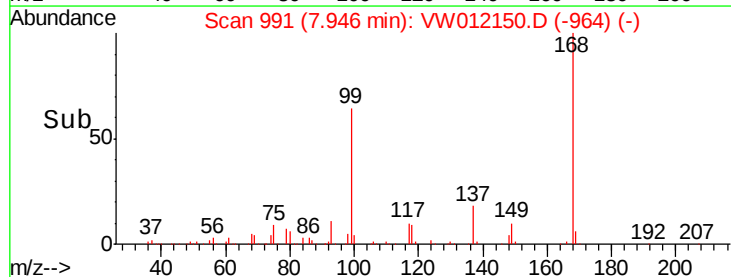
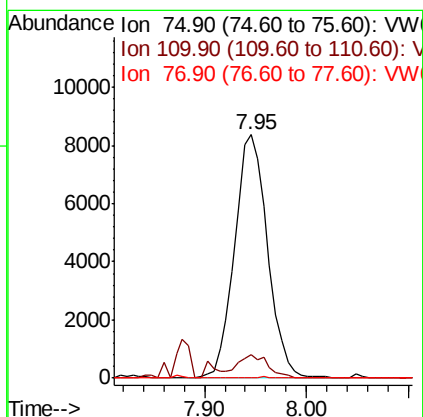
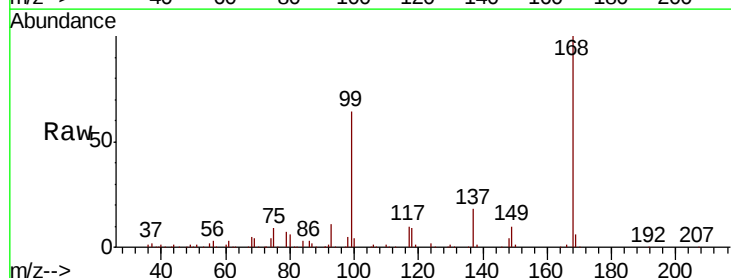
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K2-(2.5)

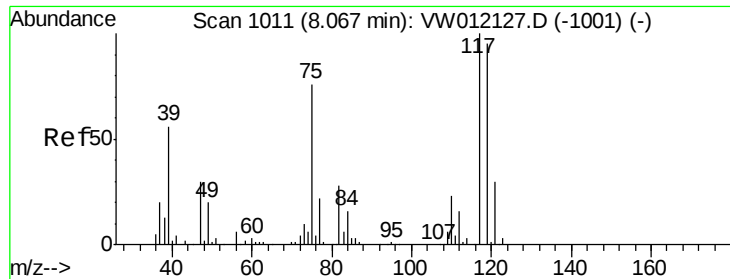
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.7	124.1
192	19.6	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.087 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012150.D
 Acq: 23 Aug 2019 22:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	15.6	46.8#
77	0.1	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.925 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW012150.D

Acq: 23 Aug 2019 22:50

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K2-(2.5)

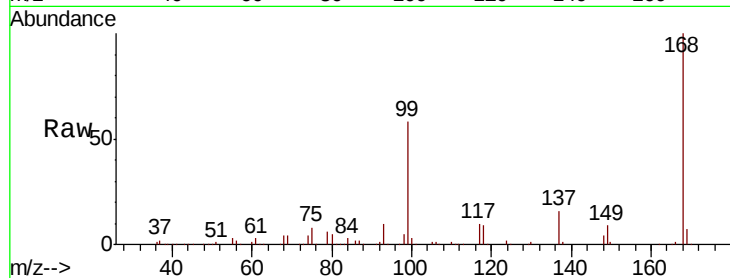
Tgt Ion: 117 Resp: 22111

Ion Ratio Lower Upper

117 100

119 4.0 76.2 114.2#

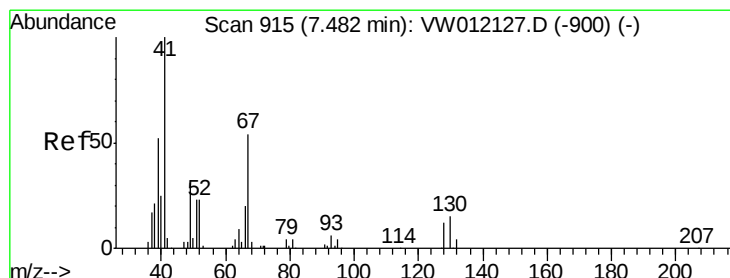
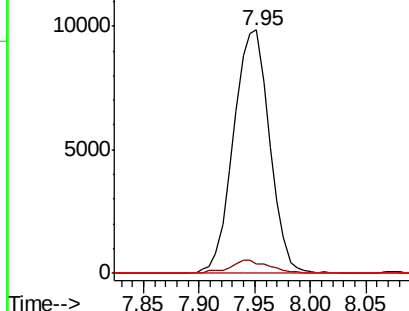
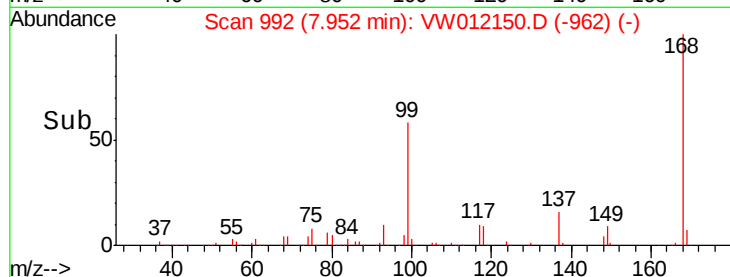
121 0.0 23.8 35.8#



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: 2.967 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012150.D

Acq: 23 Aug 2019 22:50

Tgt Ion: 41 Resp: 3525

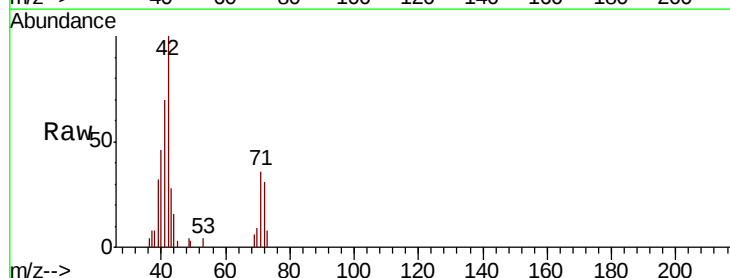
Ion Ratio Lower Upper

41 100

39 52.5 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

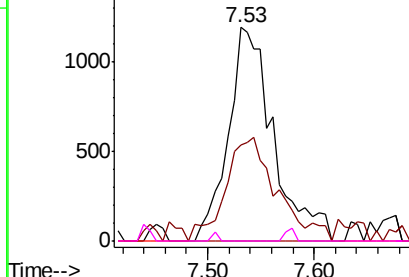
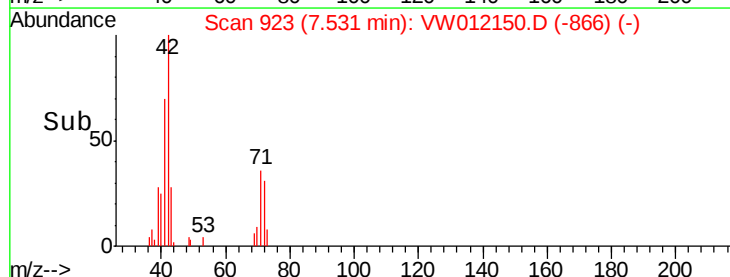


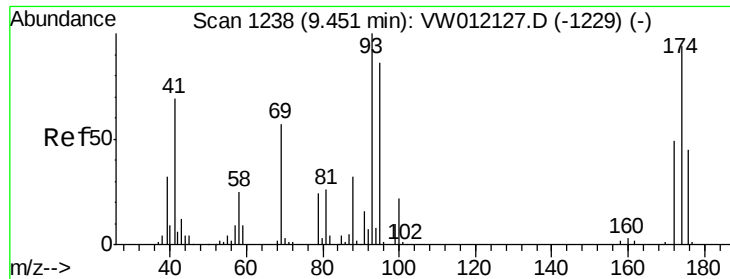
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#49

1,4-Dioxane

Concen: 2.275 ug/l

RT: 9.29 min Scan# 1212

Delta R.T. -0.16 min

Lab File: VW012150.D

Acq: 23 Aug 2019 22:50

Instrument :

MSVOA_W

ClientSampled :

T1-2-K2-(2.5)

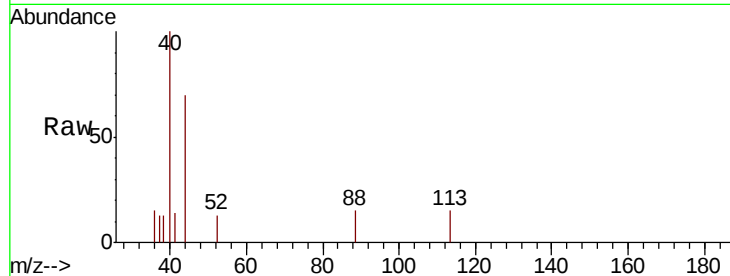
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 154.8 32.9 49.3#

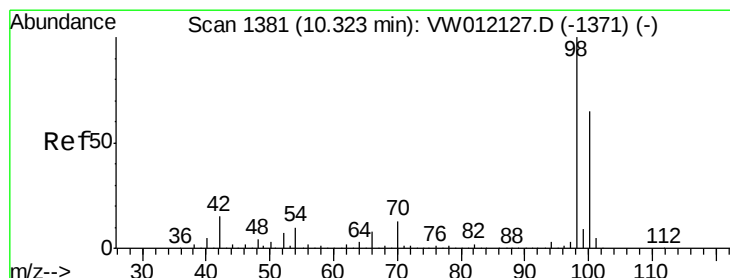
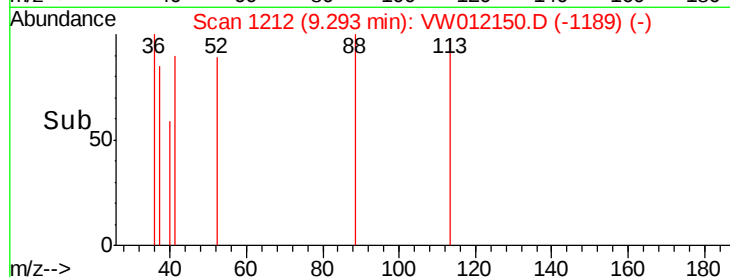
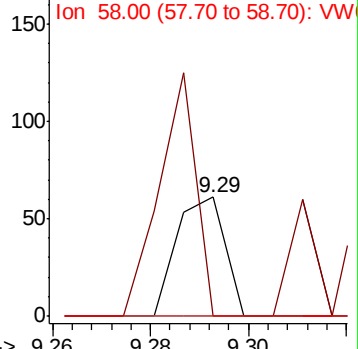
58 0.0 71.0 106.4#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.289 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012150.D

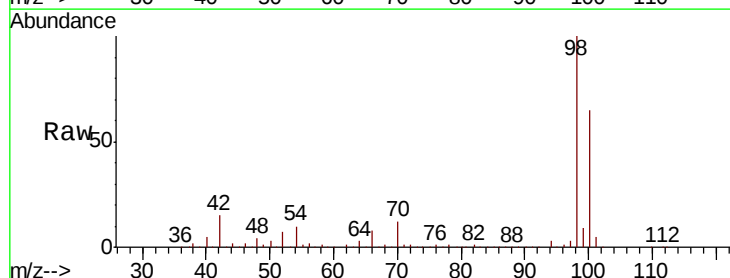
Acq: 23 Aug 2019 22:50

Tgt Ion: 98 Resp: 434470

Ion Ratio Lower Upper

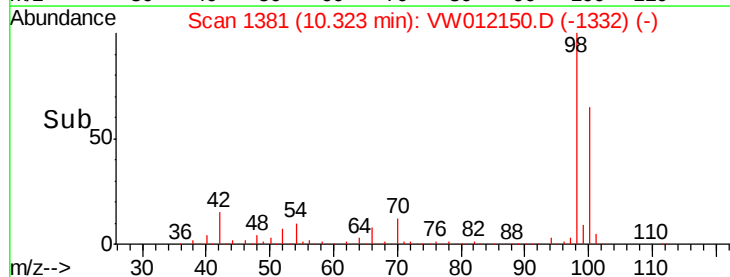
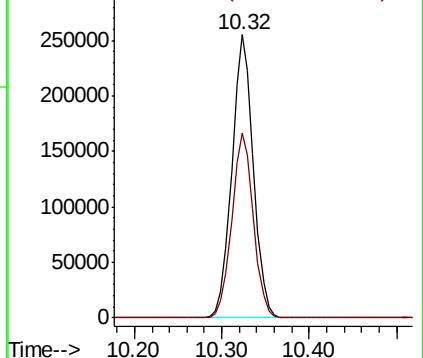
98 100

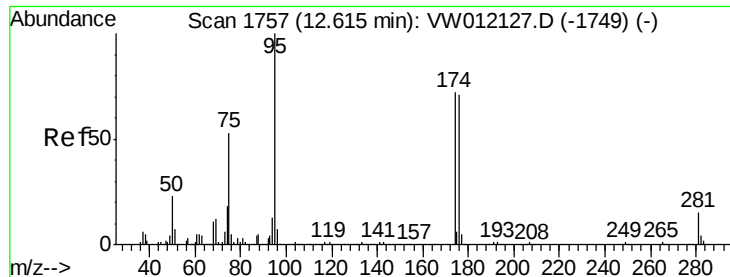
100 65.7 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 40.845 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012150.D

Acq: 23 Aug 2019 22:50

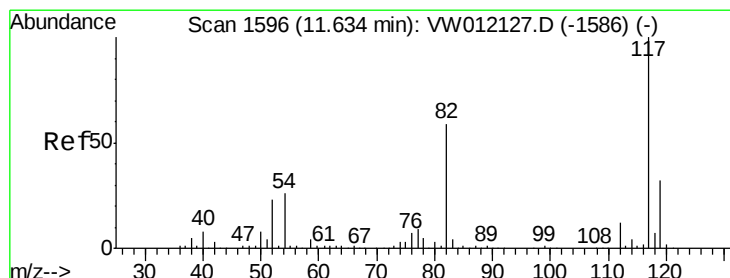
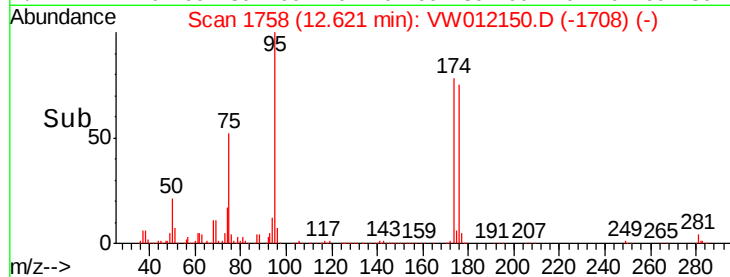
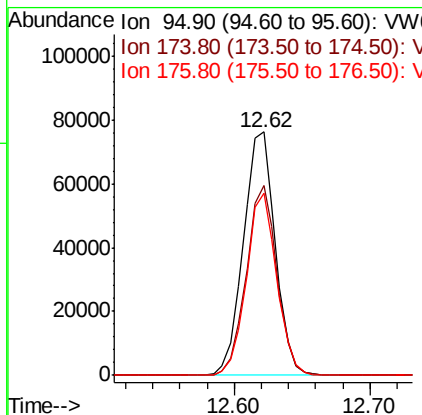
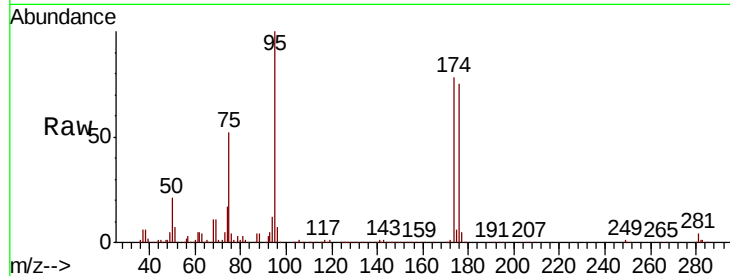
Instrument :

MSVOA_W

ClientSampleId :

T1-2-K2-(2.5)

Tgt Ion:	95	Resp:	124389
Ion Ratio	Lower	Upper	
95	100		
174	75.5	0.0	150.8
176	72.1	0.0	148.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

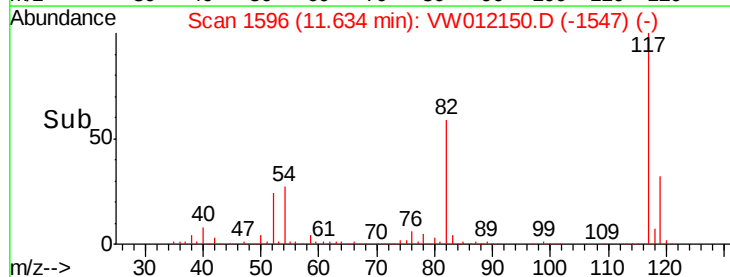
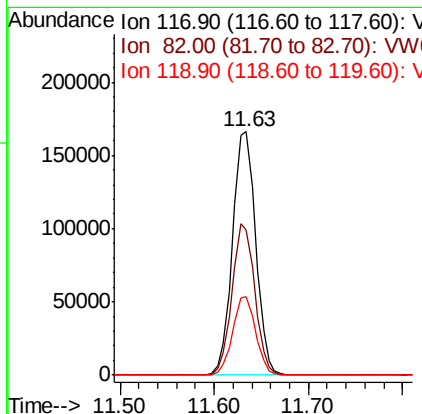
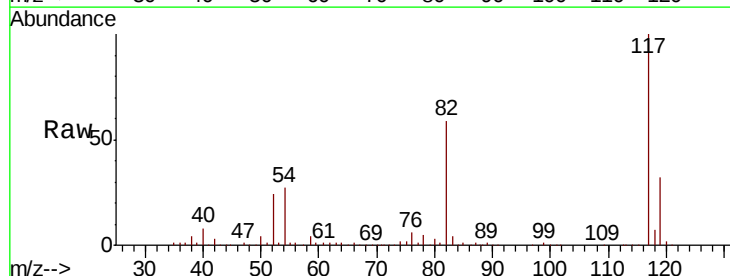
RT: 11.63 min Scan# 1596

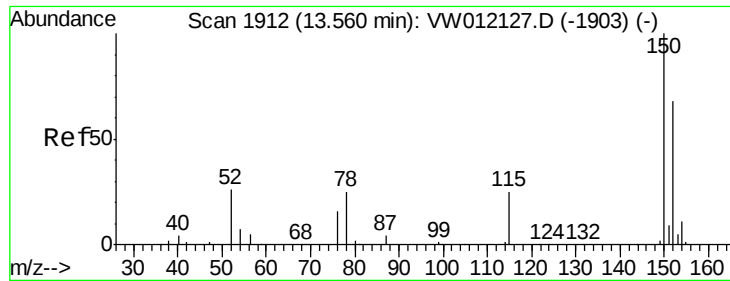
Delta R.T. -0.00 min

Lab File: VW012150.D

Acq: 23 Aug 2019 22:50

Tgt Ion:	117	Resp:	284925
Ion Ratio	Lower	Upper	
117	100		
82	59.4	47.4	71.2
119	32.2	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012150.D

Acq: 23 Aug 2019 22:50

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K2-(2.5)

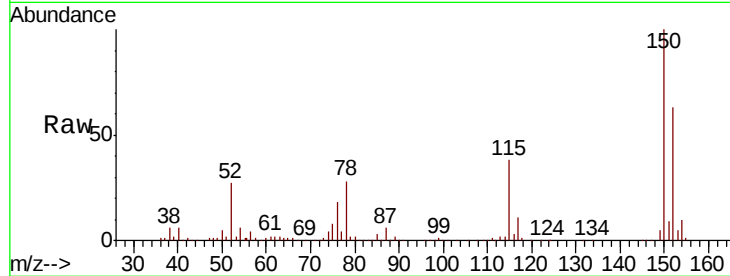
Tgt Ion:152 Resp: 95552

Ion Ratio Lower Upper

152 100

115 61.4 30.1 90.3

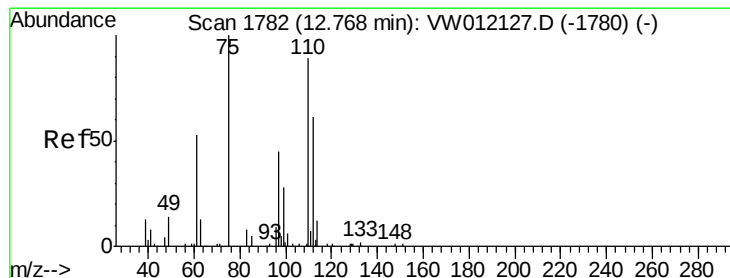
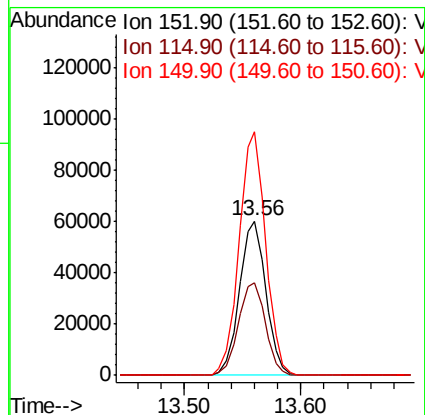
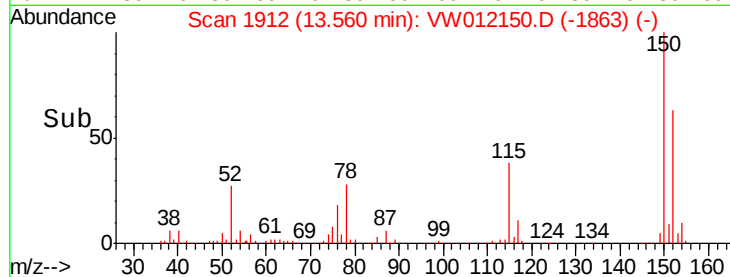
150 157.6 0.0 345.8



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: 72.500 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012150.D

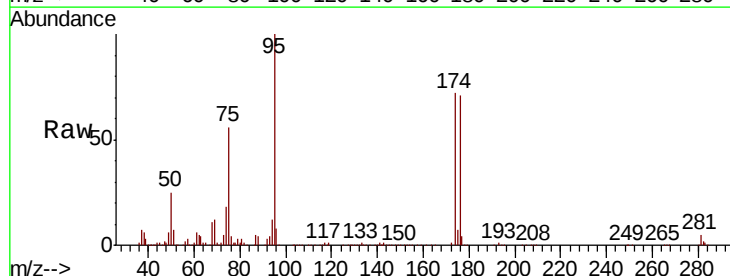
Acq: 23 Aug 2019 22:50

Tgt Ion: 75 Resp: 67469

Ion Ratio Lower Upper

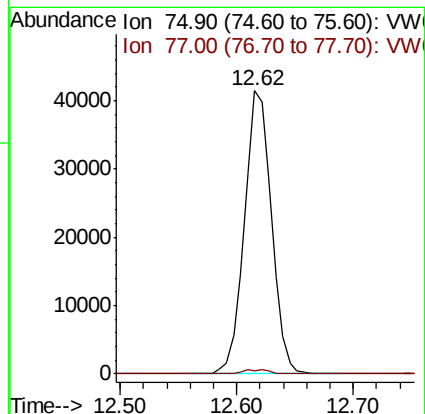
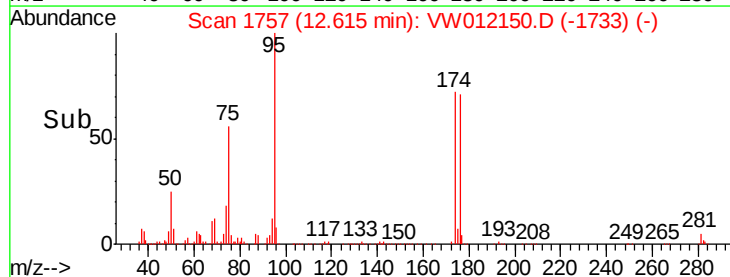
75 100

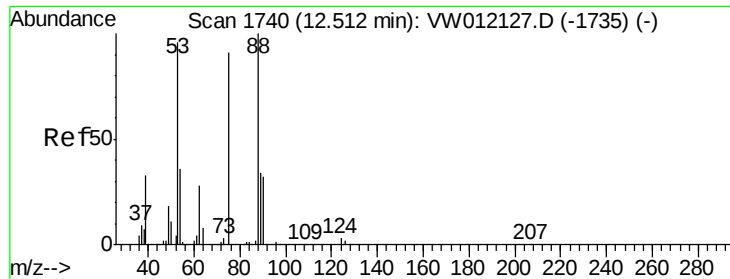
77 1.5 0.0 0.0#



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: 158.959 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012150.D

Acq: 23 Aug 2019 22:50

Instrument :

MSVOA_W

ClientSampled :

T1-2-K2-(2.5)

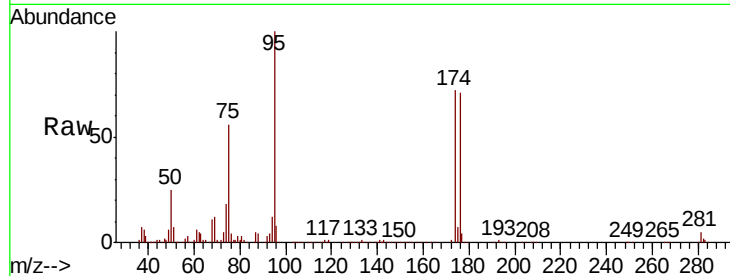
Tgt Ion: 75 Resp: 67469

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

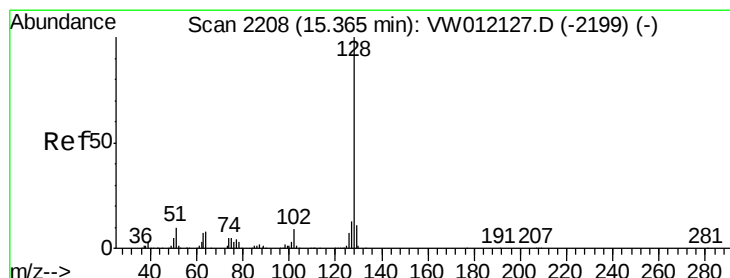
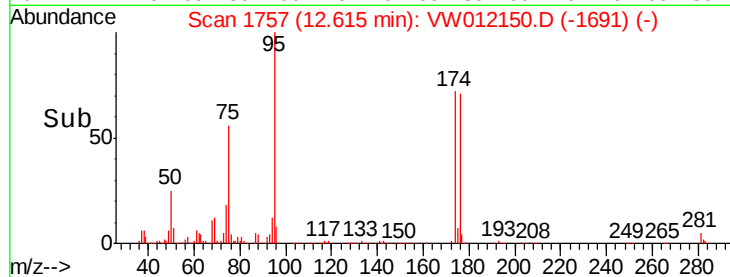
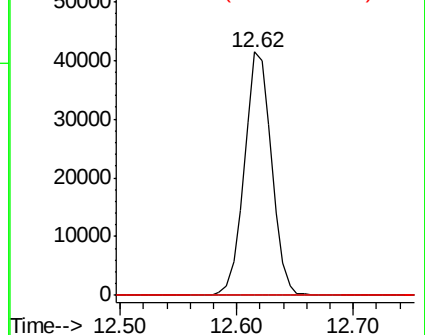
89 0.0 34.5 51.7#



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: 4.357 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012150.D

Acq: 23 Aug 2019 22:50

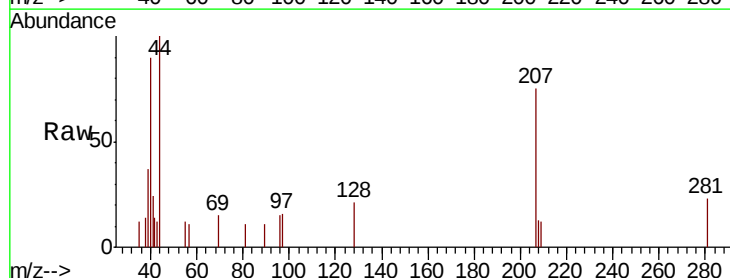
Tgt Ion: 128 Resp: 142

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

