

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012149.D
 Acq On : 23 Aug 2019 22:25
 Operator : SY/VA
 Sample : K4474-12
 Misc : 5.59G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K2-(0)

Quant Time: Aug 26 07:31:15 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	209351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	356133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	281092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93135	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	141514	56.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.72%	
35) Dibromofluoromethane	7.88	113	110608	52.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.06%	
50) Toluene-d8	10.32	98	429192	49.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.62	95	121095	39.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.72%	

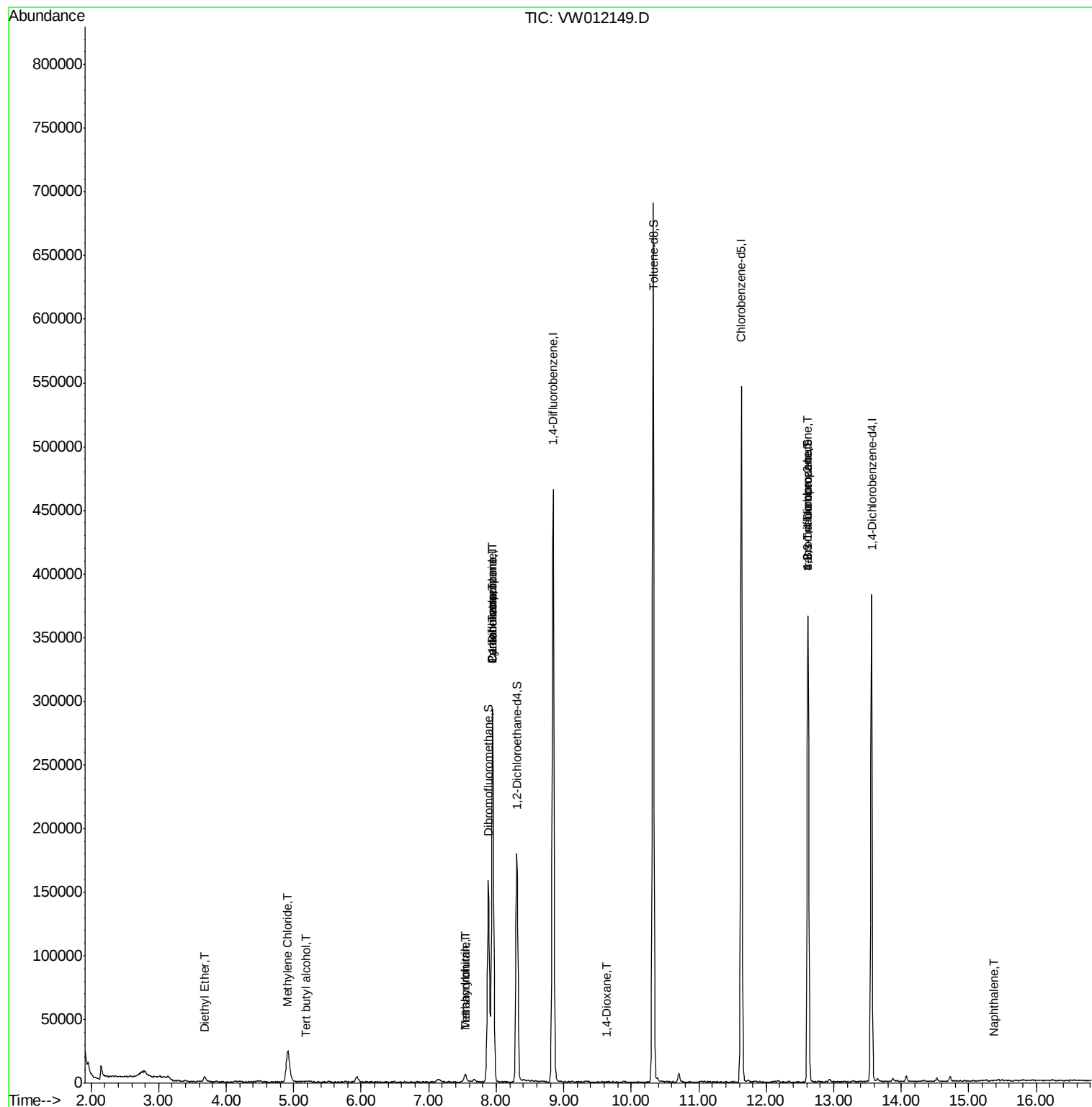
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1879	1.613	ug/l	61
11) Tert butyl alcohol	5.18	59	394	2.631	ug/l #	85
20) Methylene Chloride	4.92	84	19338	8.041	ug/l	94
29) Tetrahydrofuran	7.54	42	5285	10.190	ug/l	95
31) Cyclohexane	7.95	56	5717	1.275	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18426	5.007	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21324	6.694	ug/l #	16
41) Methacrylonitrile	7.54	41	3584	3.024	ug/l #	56
49) 1,4-Dioxane	9.63	88	21	1.140	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	65535	72.249	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65535	158.409	ug/l #	6
95) Naphthalene	15.37	128	94	4.346	ug/l #	69

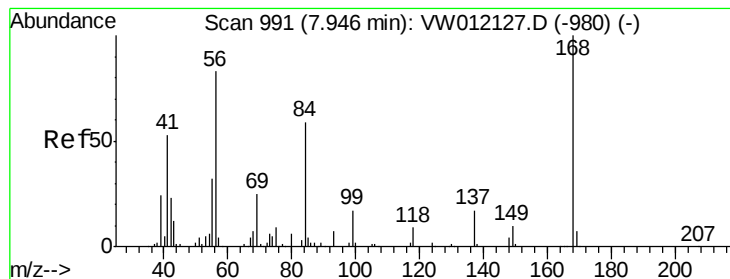
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012149.D

Acq: 23 Aug 2019 22:25

Instrument :

MSVOA_W

ClientSampled :

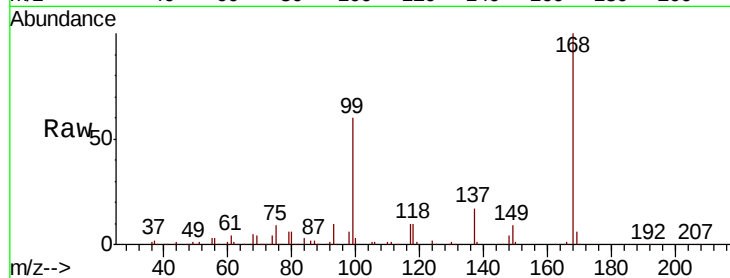
T1-2-K2-(0)

Tgt Ion:168 Resp: 209351

Ion Ratio Lower Upper

168 100

99 59.9 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

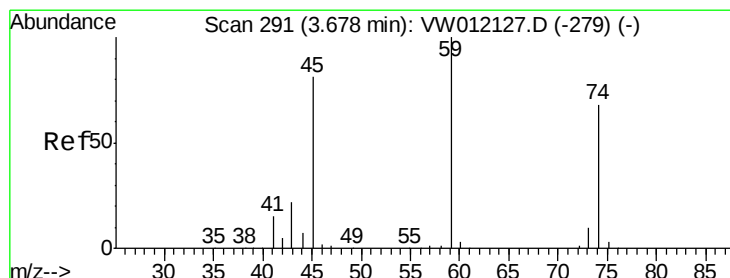
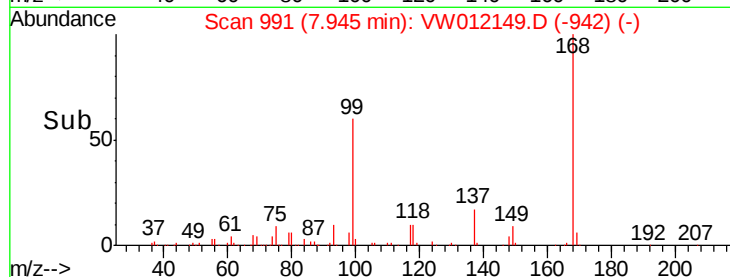
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.613 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012149.D

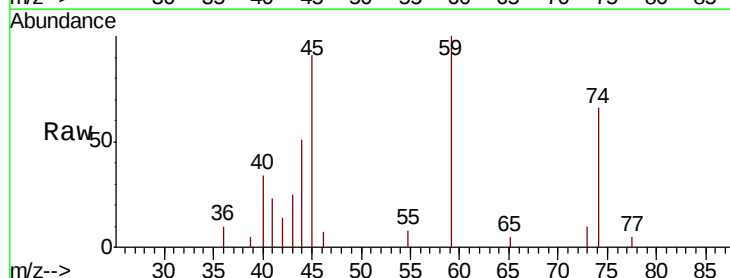
Acq: 23 Aug 2019 22:25

Tgt Ion: 74 Resp: 1879

Ion Ratio Lower Upper

74 100

45 161.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1200

1000

800

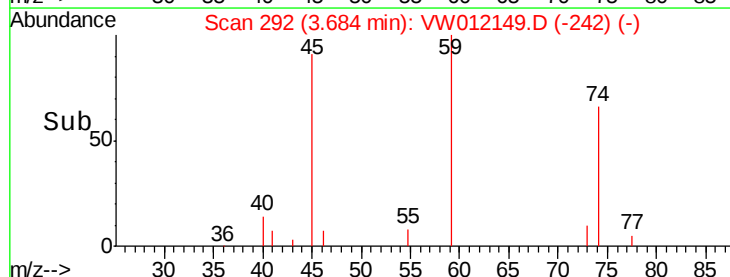
600

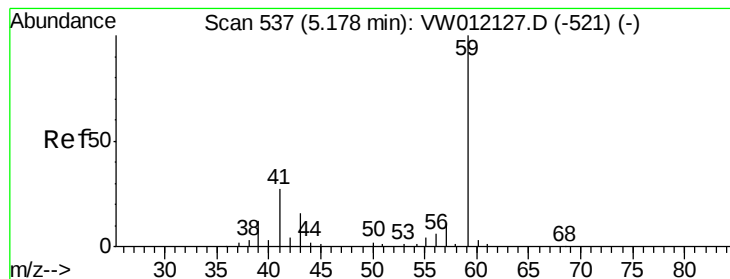
400

200

0

Time-->



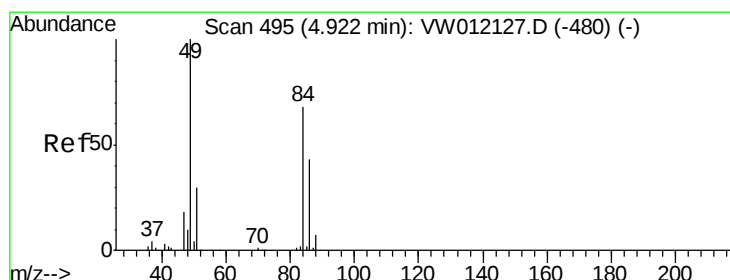
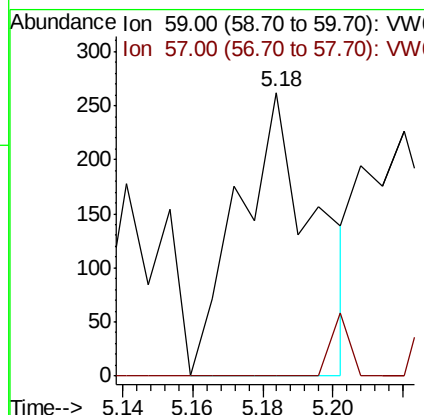
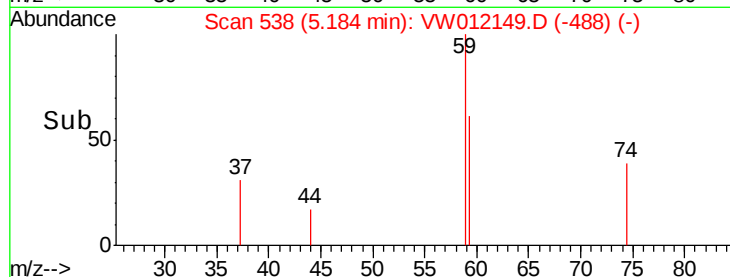
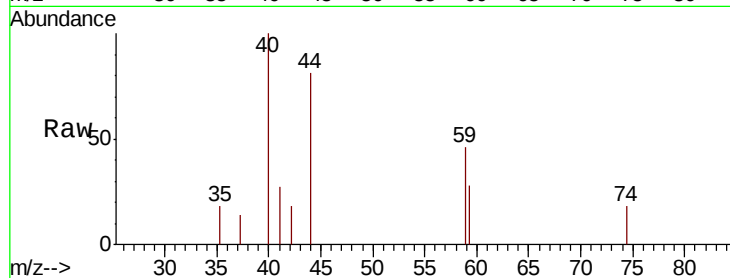


#11

Tert butyl alcohol
 Concen: 2.631 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW012149.D
 Acq: 23 Aug 2019 22:25

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K2-(0)

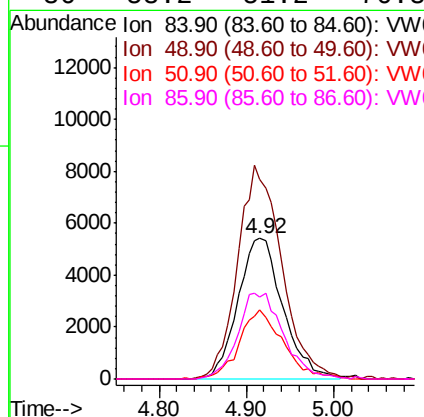
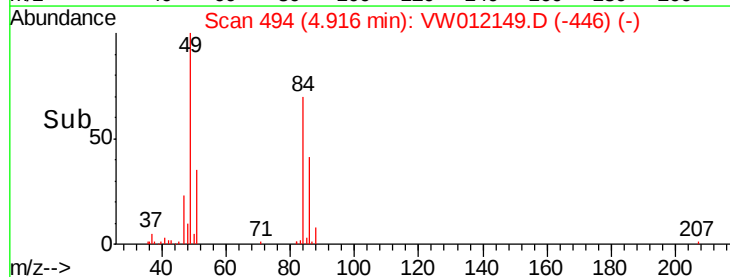
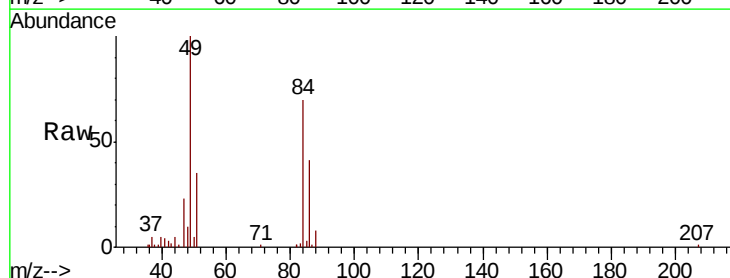
Tgt Ion: 59 Resp: 394
 Ion Ratio Lower Upper
 59 100
 57 5.3 9.0 13.4#

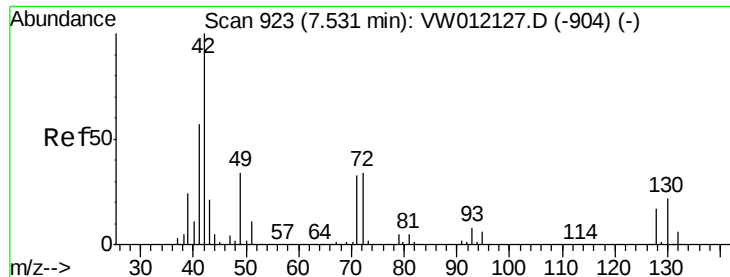


#20

Methylene Chloride
 Concen: 8.041 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW012149.D
 Acq: 23 Aug 2019 22:25

Tgt Ion: 84 Resp: 19338
 Ion Ratio Lower Upper
 84 100
 49 142.0 117.8 176.8
 51 49.2 35.6 53.4
 86 58.2 51.2 76.8





#29

Tetrahydrofuran

Concen: 10.190 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012149.D

Acq: 23 Aug 2019 22:25

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K2-(0)

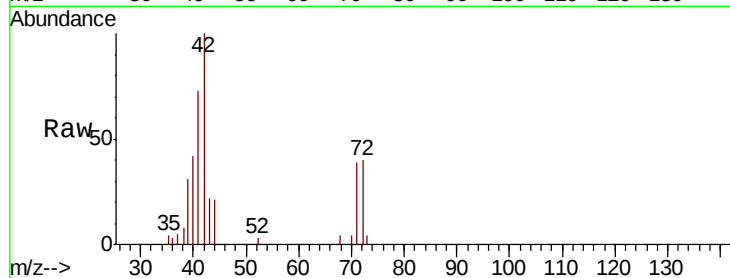
Tgt Ion: 42 Resp: 5285

Ion Ratio Lower Upper

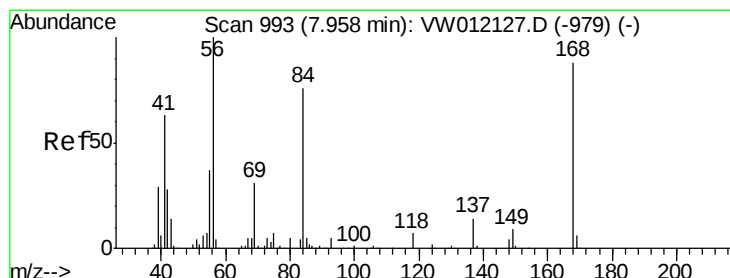
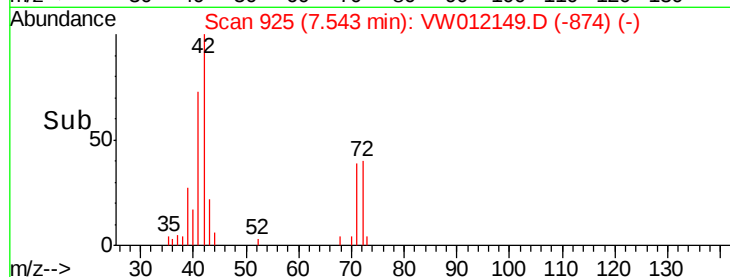
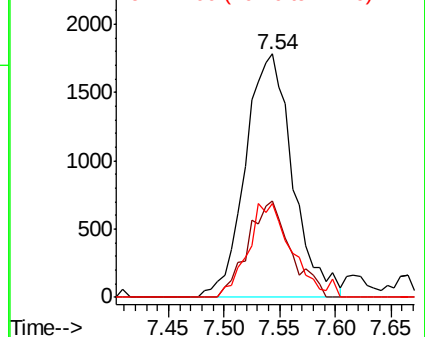
42 100

72 35.7 27.3 40.9

71 35.9 25.5 38.3



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: 1.275 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012149.D

Acq: 23 Aug 2019 22:25

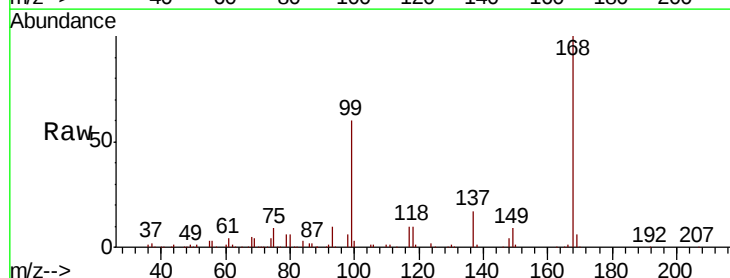
Tgt Ion: 56 Resp: 5717

Ion Ratio Lower Upper

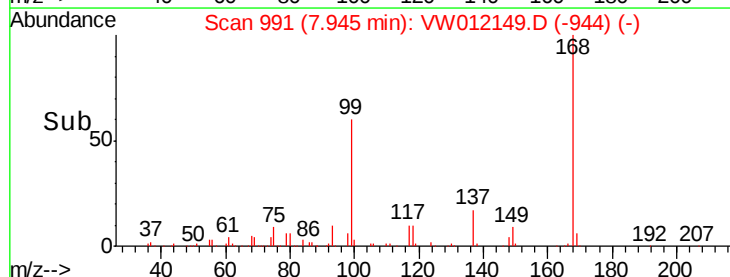
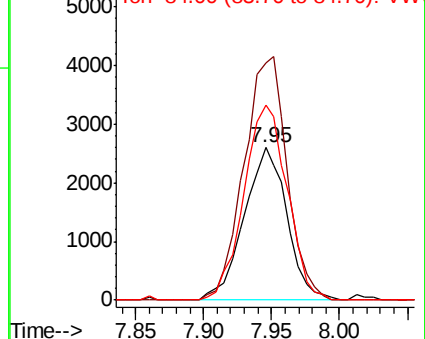
56 100

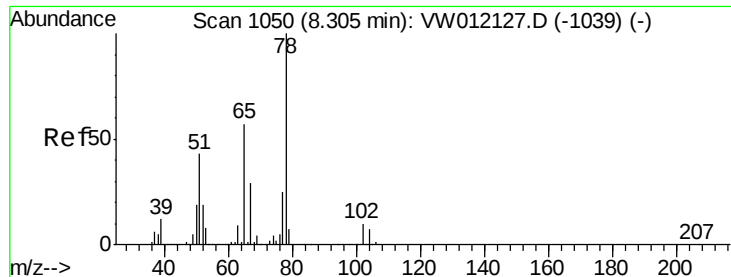
69 155.6 24.9 37.3#

84 127.9 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

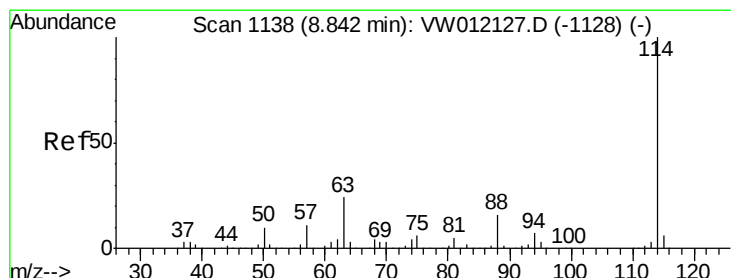
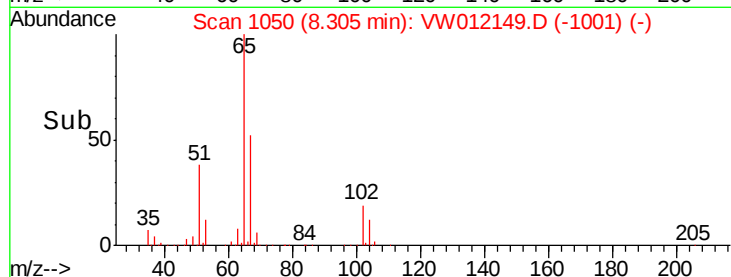
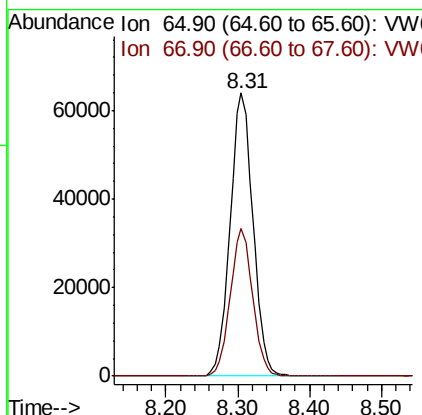
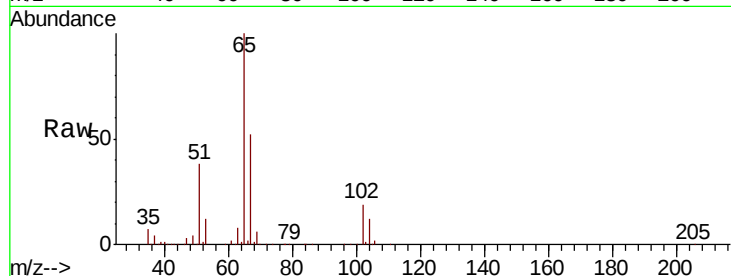




#33
 1,2-Dichloroethane-d4
 Concen: 56.863 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012149.D
 Acq: 23 Aug 2019 22:25

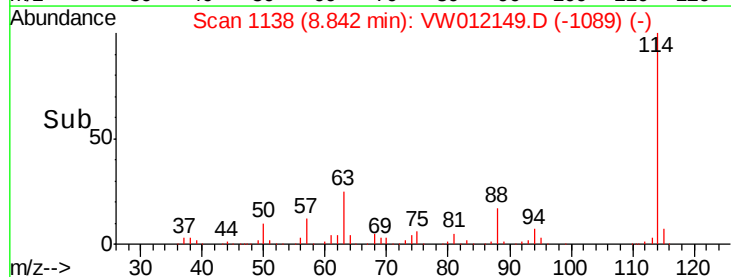
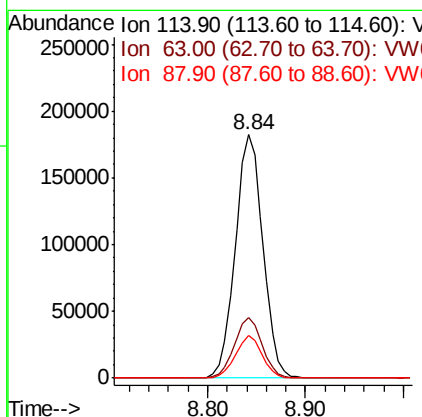
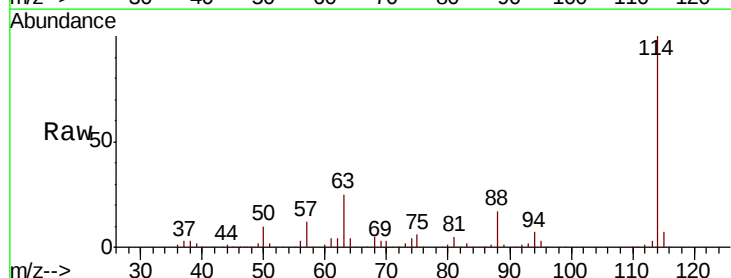
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K2-(0)

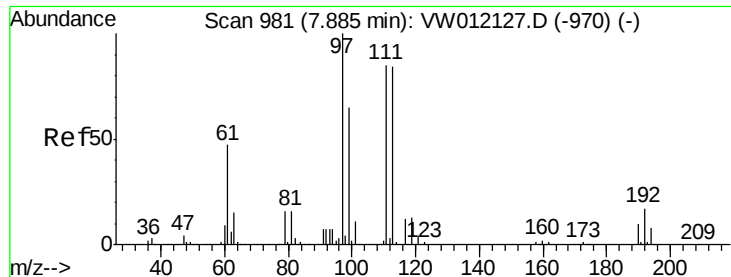
Tgt Ion: 65 Resp: 141514
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012149.D
 Acq: 23 Aug 2019 22:25

Tgt Ion: 114 Resp: 356133
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 48.6
 88 17.3 0.0 32.2

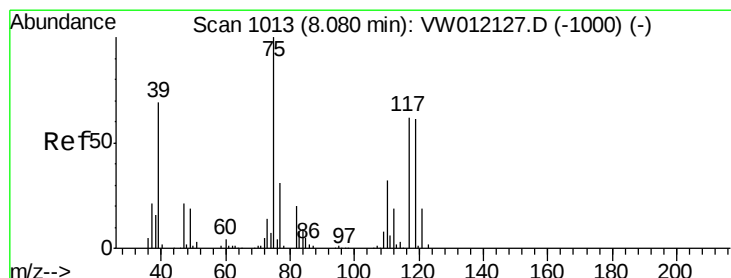
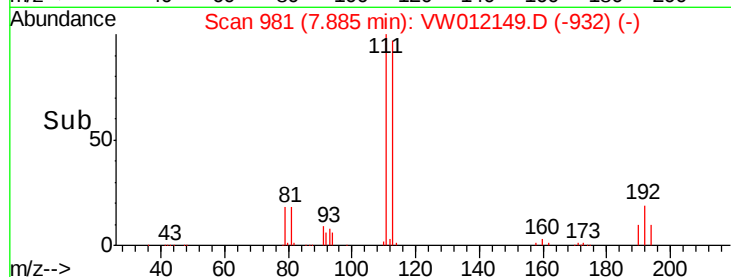
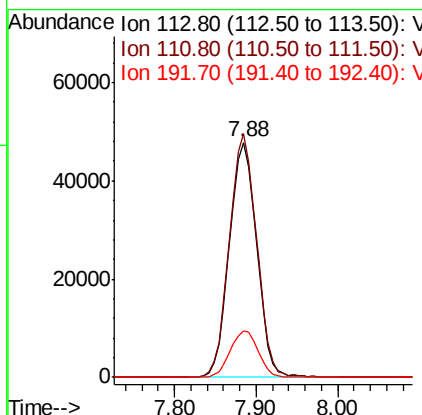
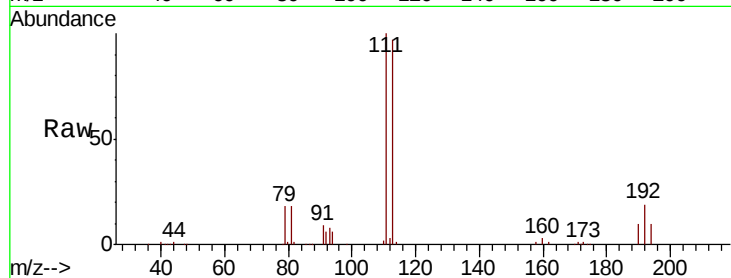




#35
 Dibromofluoromethane
 Concen: 52.032 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012149.D
 Acq: 23 Aug 2019 22:25

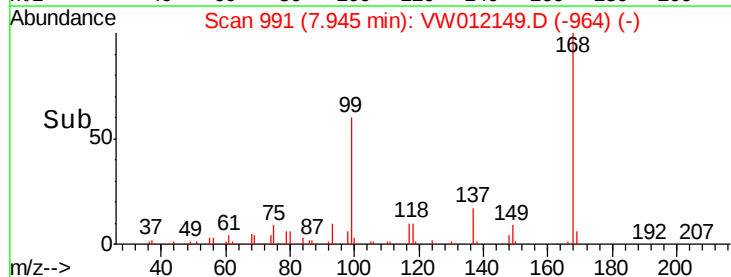
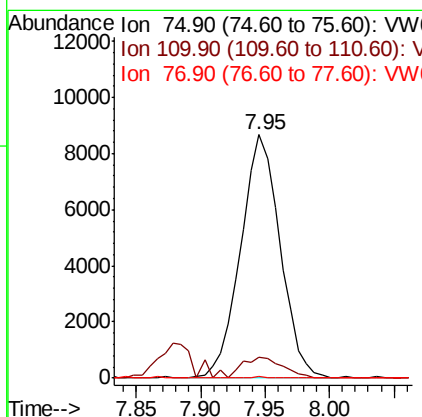
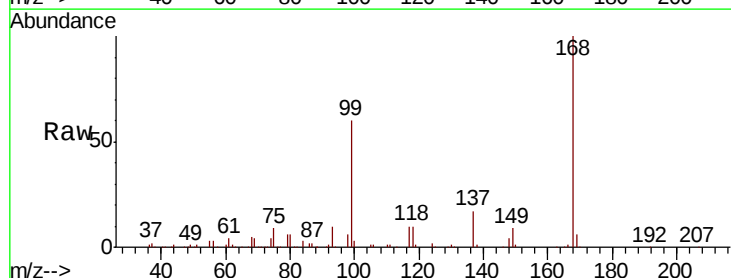
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K2-(0)

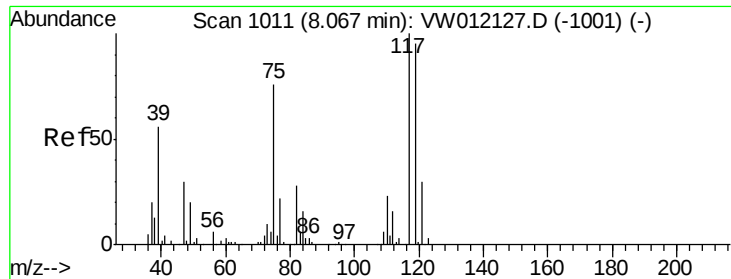
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.7	124.1
192	20.3	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.007 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012149.D
 Acq: 23 Aug 2019 22:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.6	46.8#
77	0.1	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.694 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012149.D

Acq: 23 Aug 2019 22:25

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K2-(0)

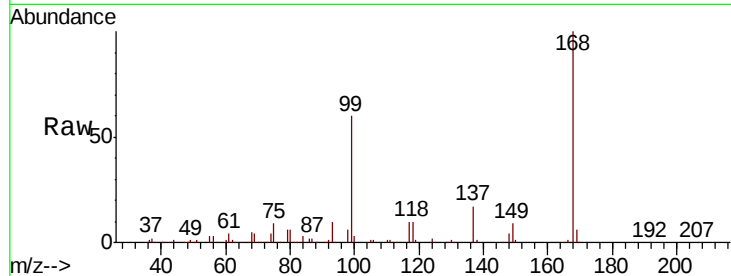
Tgt Ion:117 Resp: 21324

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

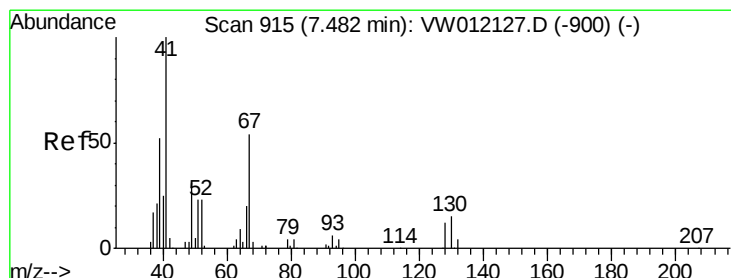
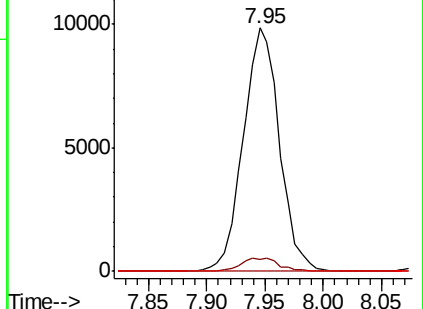
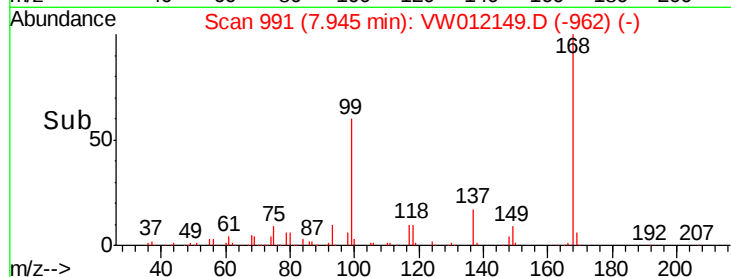
121 0.0 23.8 35.8#



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: 3.024 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012149.D

Acq: 23 Aug 2019 22:25

Tgt Ion: 41 Resp: 3584

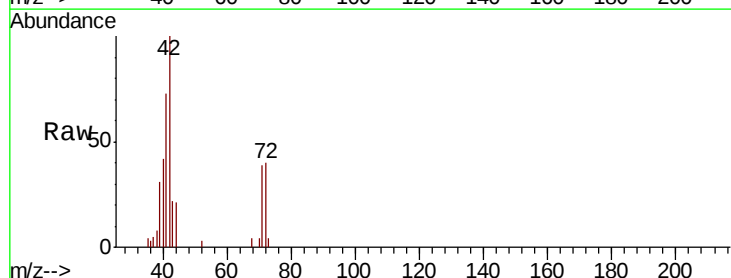
Ion Ratio Lower Upper

41 100

39 51.5 45.8 68.8

67 0.6 46.2 69.4#

52 1.1 21.0 31.6#

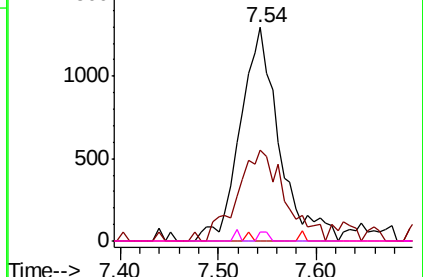
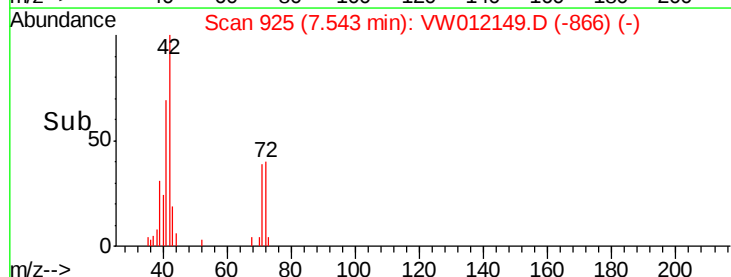


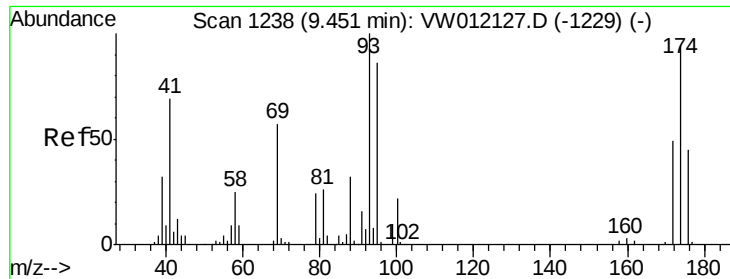
Abundance Ion 41.00 (40.70 to 41.70): VW

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

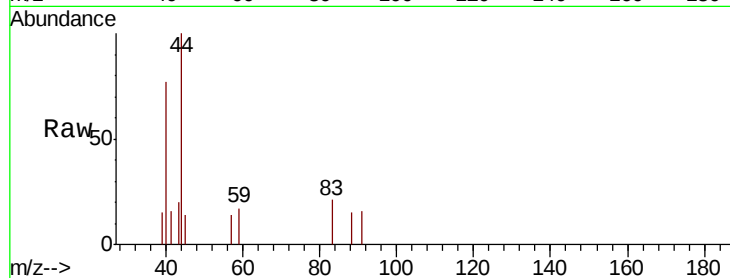




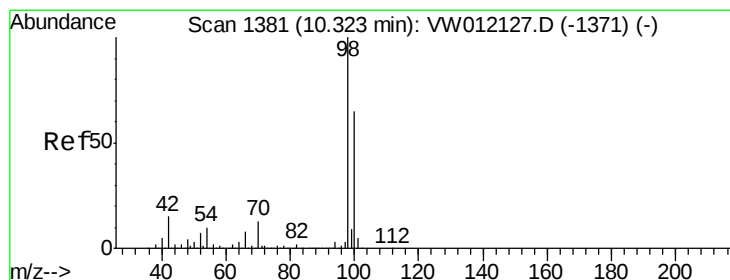
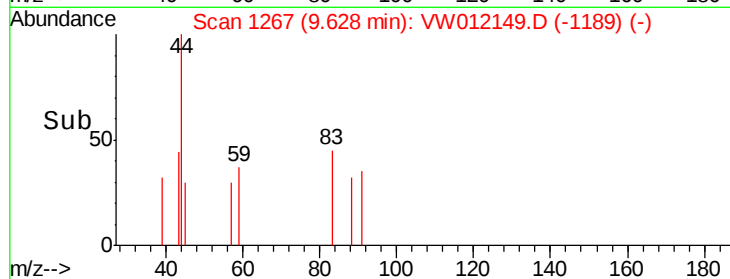
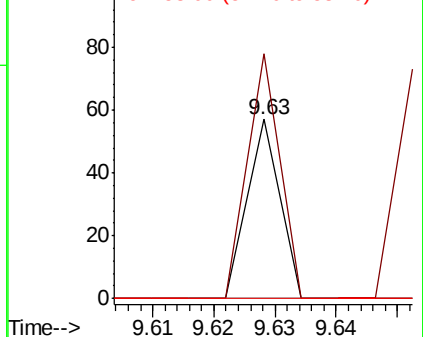
#49
1,4-Dioxane
Concen: 1.140 ug/l
RT: 9.63 min Scan# 1267
Delta R.T. 0.18 min
Lab File: VW012149.D
Acq: 23 Aug 2019 22:25

Instrument :
MSVOA_W
ClientSampleId :
T1-2-K2-(0)

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 138.1 32.9 49.3#
58 0.0 71.0 106.4#

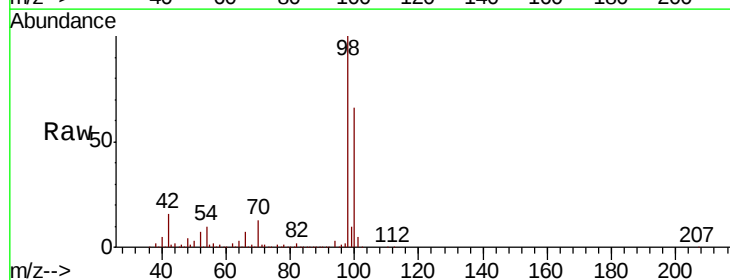


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

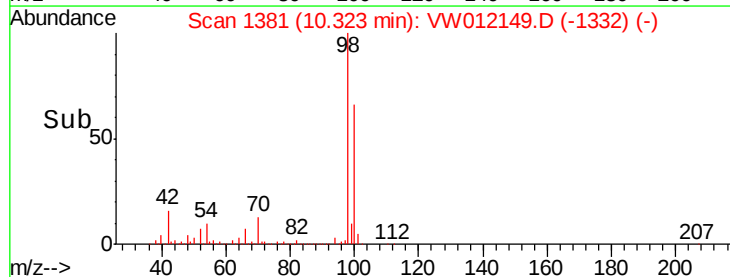
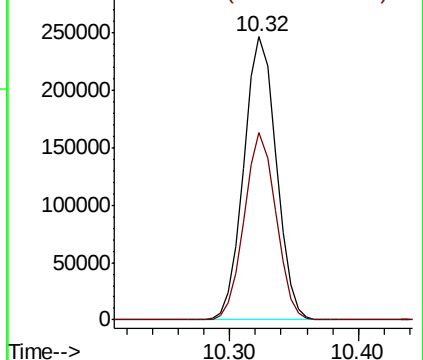


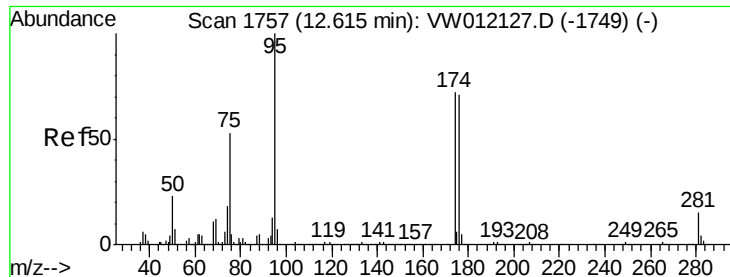
#50
Toluene-d8
Concen: 49.794 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012149.D
Acq: 23 Aug 2019 22:25

Tgt Ion: 98 Resp: 429192
Ion Ratio Lower Upper
98 100
100 64.9 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: 39.856 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012149.D

Acq: 23 Aug 2019 22:25

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K2-(0)

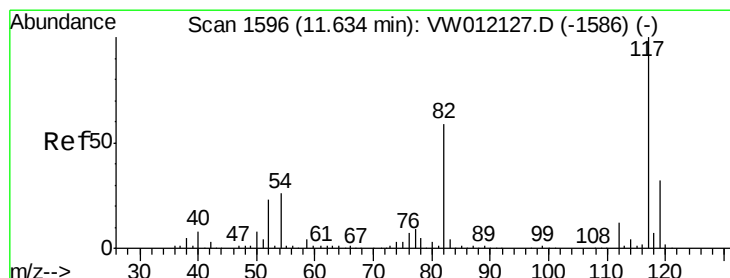
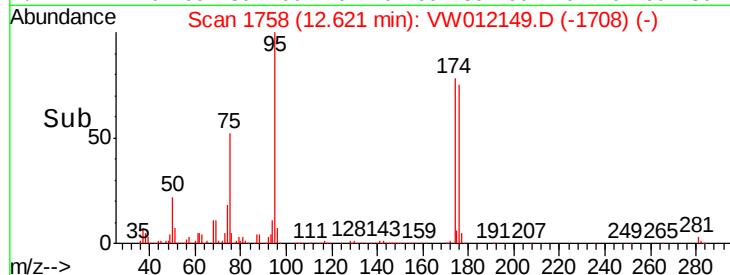
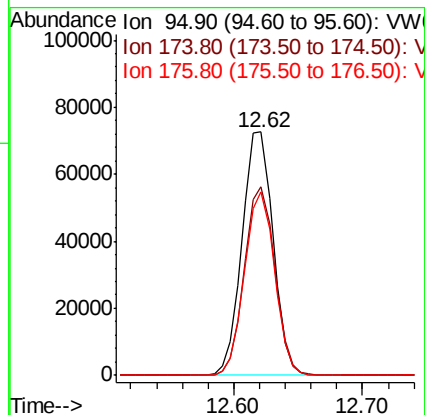
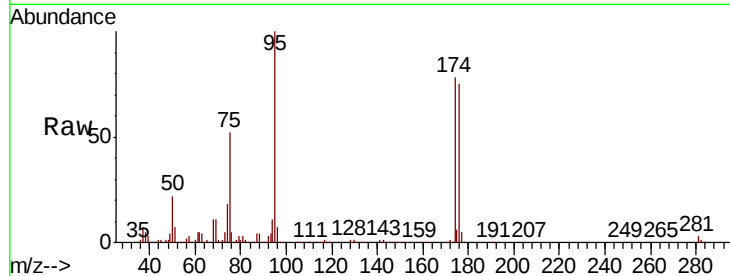
Tgt Ion: 95 Resp: 121095

Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.8

176 73.1 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: VW012149.D

Acq: 23 Aug 2019 22:25

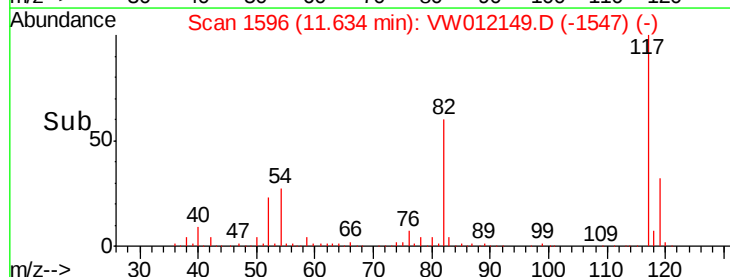
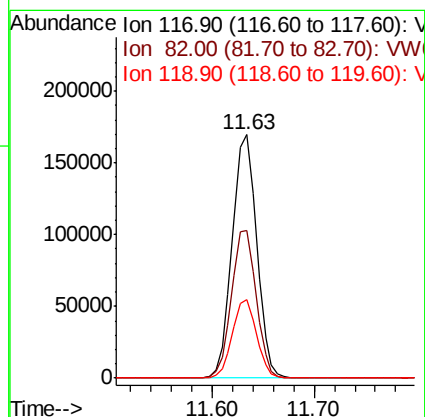
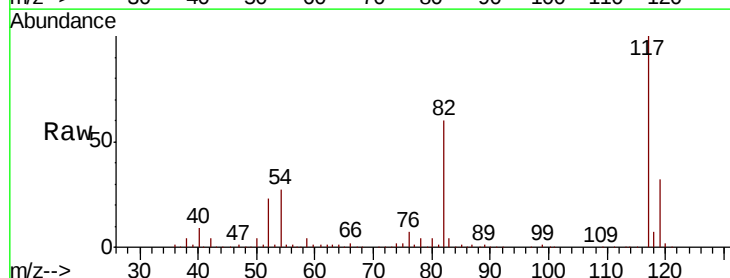
Tgt Ion: 117 Resp: 281092

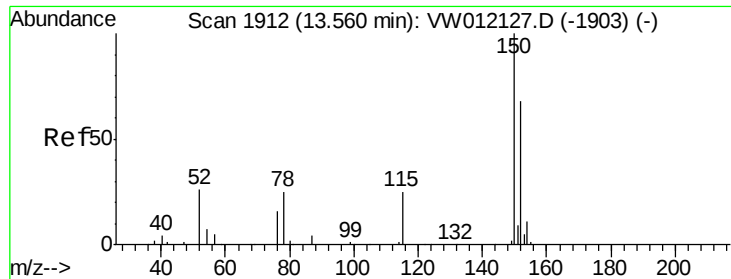
Ion Ratio Lower Upper

117 100

82 60.4 47.4 71.2

119 32.3 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: VW012149.D

Acq: 23 Aug 2019 22:25

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K2-(0)

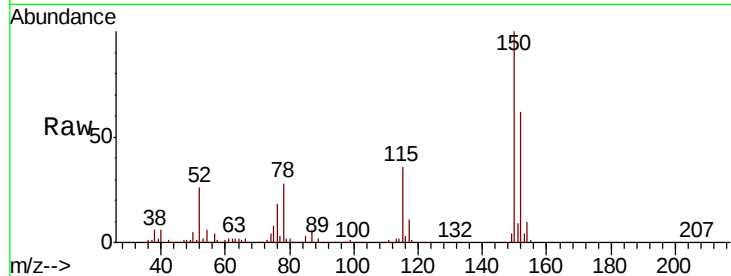
Tgt Ion:152 Resp: 93135

Ion Ratio Lower Upper

152 100

115 60.7 30.1 90.3

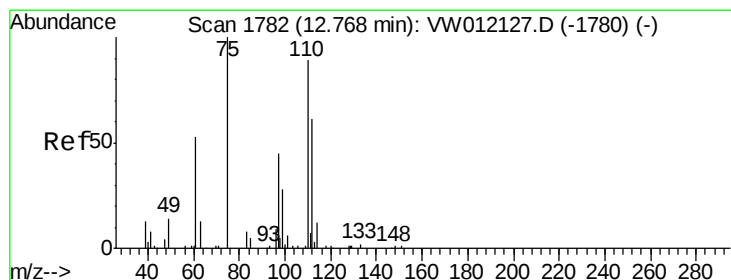
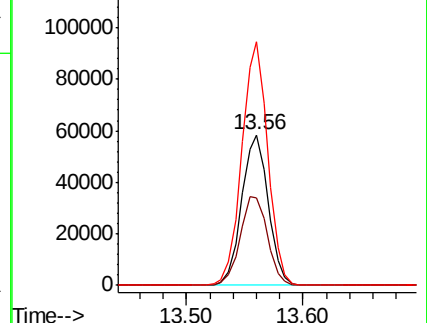
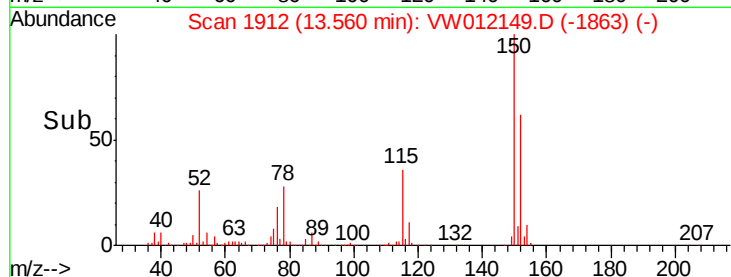
150 157.6 0.0 345.8



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: 72.249 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012149.D

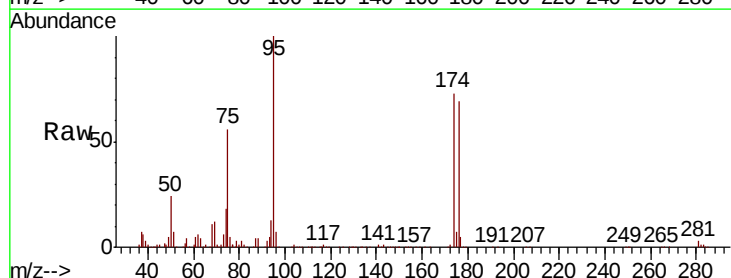
Acq: 23 Aug 2019 22:25

Tgt Ion: 75 Resp: 65535

Ion Ratio Lower Upper

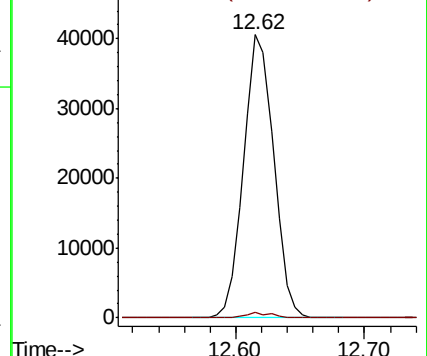
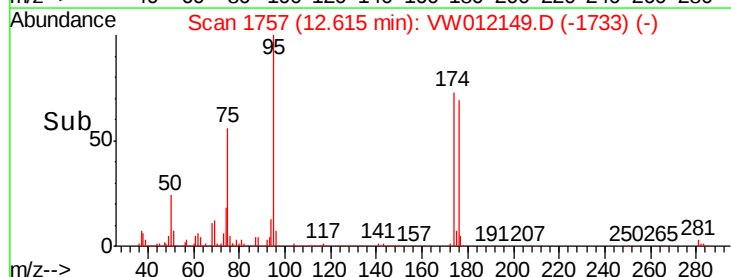
75 100

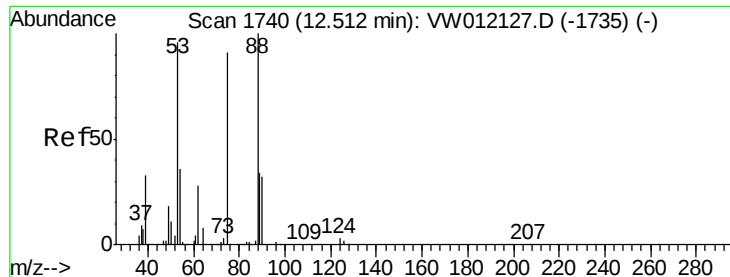
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

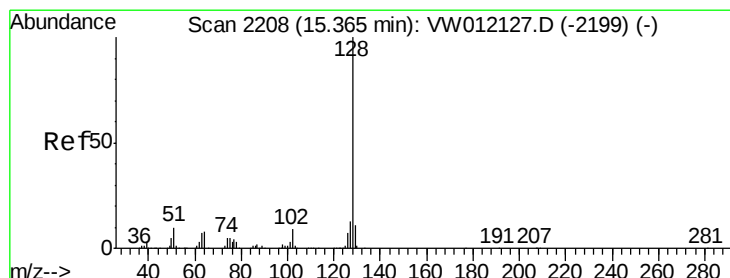
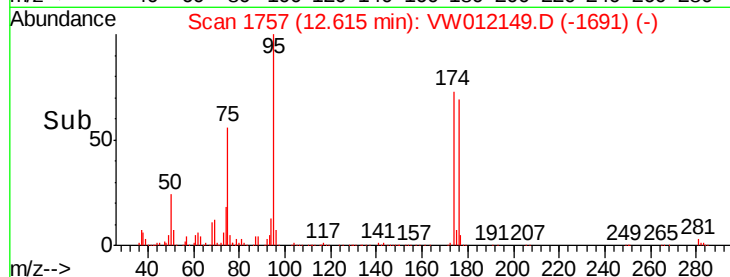
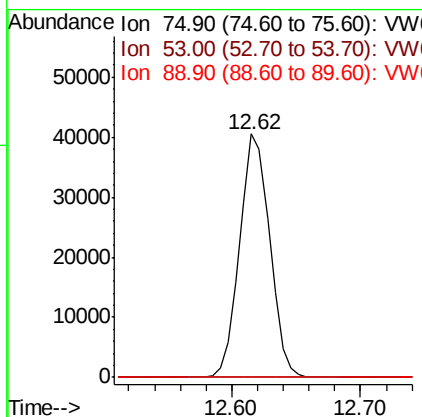
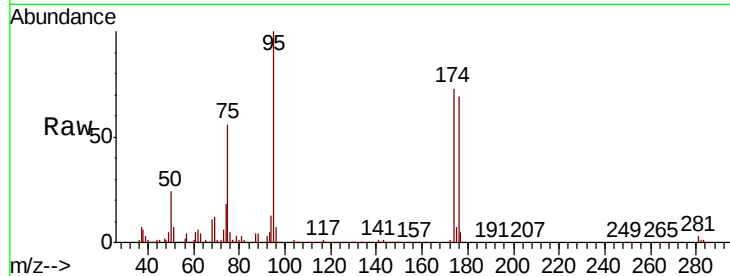




#81
trans-1,4-Dichloro-2-butene
Concen: 158.409 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012149.D
Acq: 23 Aug 2019 22:25

Instrument :
MSVOA_W
ClientSampled :
T1-2-K2-(0)

Tgt Ion: 75 Resp: 65535
Ion Ratio Lower Upper
75 100
53 0.0 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.346 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012149.D
Acq: 23 Aug 2019 22:25

Tgt Ion: 128 Resp: 94
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

