

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012147.D
 Acq On : 23 Aug 2019 21:33
 Operator : SY/VA
 Sample : K4474-10
 Misc : 6.01G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K1-(0)

Quant Time: Aug 26 07:30:54 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	213583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107603	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	143105	56.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.72%	
35) Dibromofluoromethane	7.88	113	112933	52.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.10%	
50) Toluene-d8	10.32	98	439632	50.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.62	95	132181	43.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.06%	

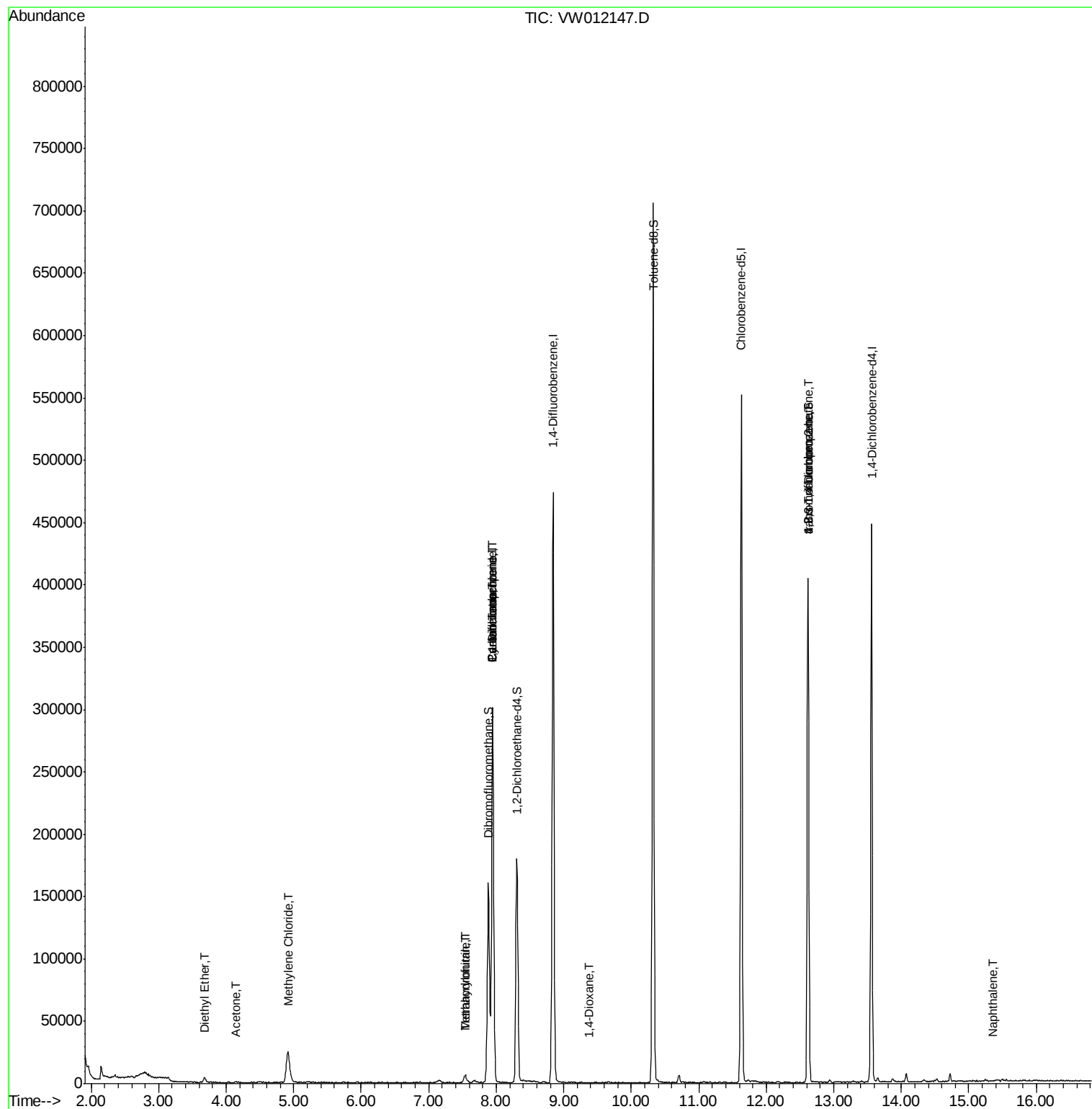
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1975	1.662	ug/l	83
16) Acetone	4.14	43	1074	1.655	ug/l #	83
20) Methylene Chloride	4.92	84	19640	8.005	ug/l	97
29) Tetrahydrofuran	7.54	42	5792	10.946	ug/l	96
31) Cyclohexane	7.95	56	5677	1.241	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18864	5.070	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21812	6.773	ug/l #	16
41) Methacrylonitrile	7.54	41	3474	2.899	ug/l #	55
49) 1,4-Dioxane	9.37	88	26	1.396	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	71960	68.666	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71960	150.552	ug/l #	6
95) Naphthalene	15.36	128	41	4.330	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: VW012147.D

Acq: 23 Aug 2019 21:33

Instrument :

MSVOA_W

ClientSampleId :

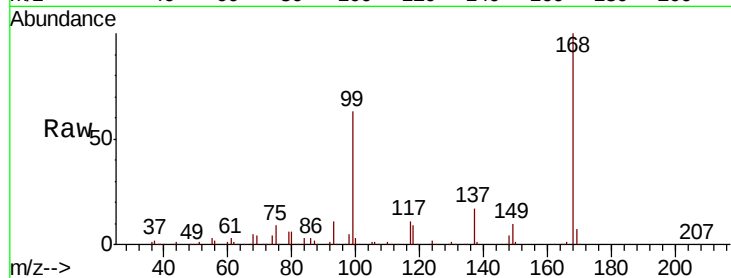
T1-2-K1-(0)

Tgt Ion:168 Resp: 213583

Ion Ratio Lower Upper

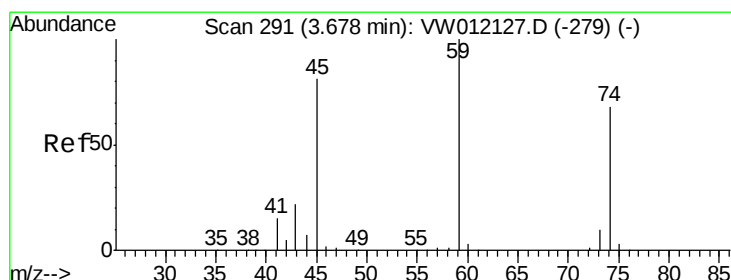
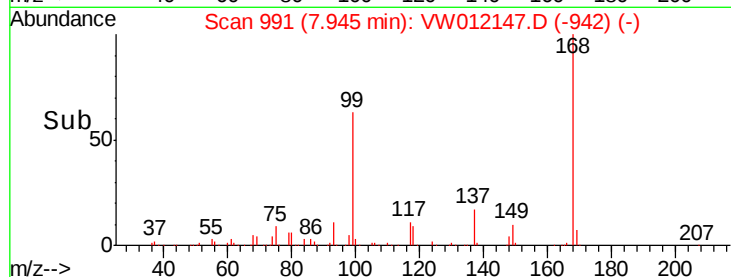
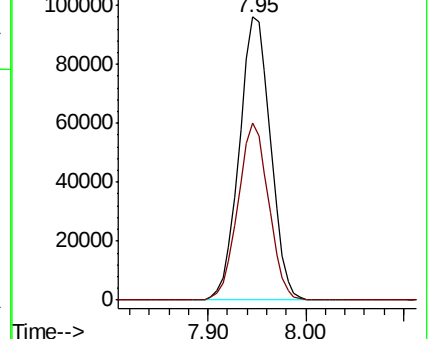
168 100

99 62.7 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: 1.662 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012147.D

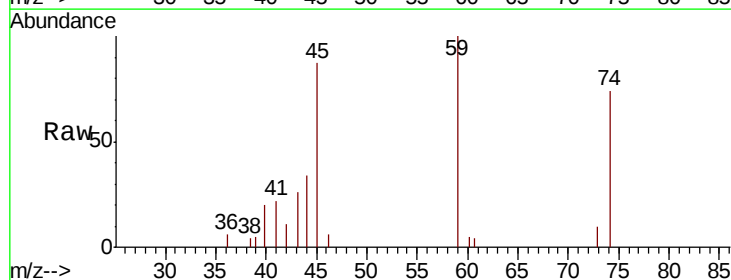
Acq: 23 Aug 2019 21:33

Tgt Ion: 74 Resp: 1975

Ion Ratio Lower Upper

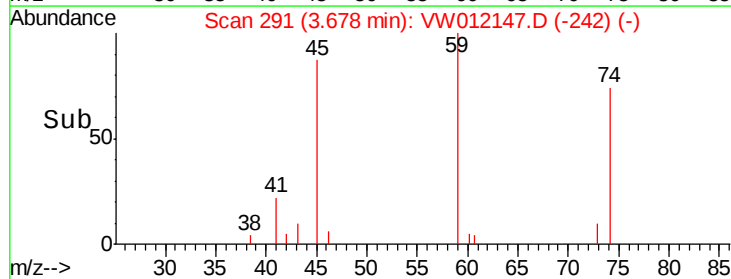
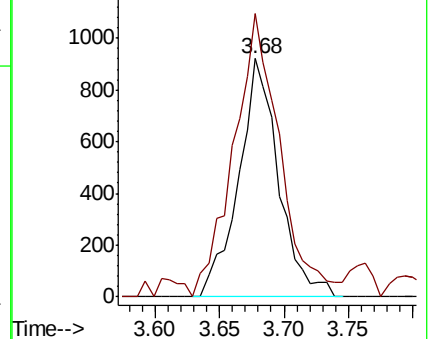
74 100

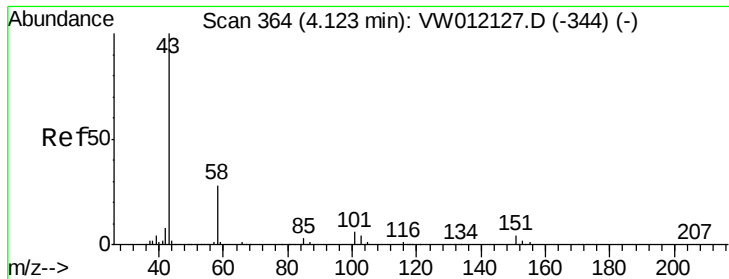
45 137.1 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

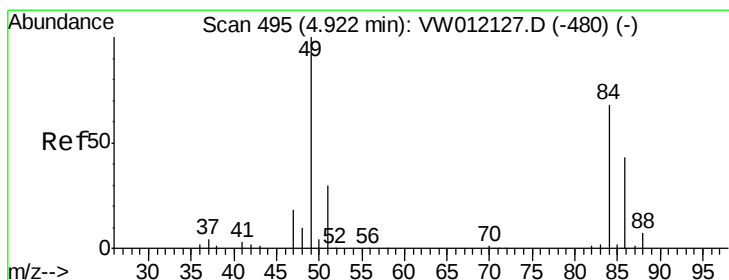
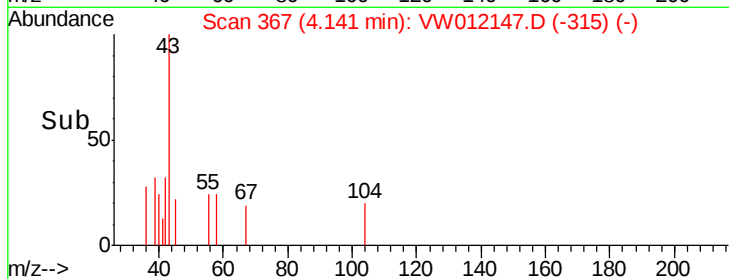
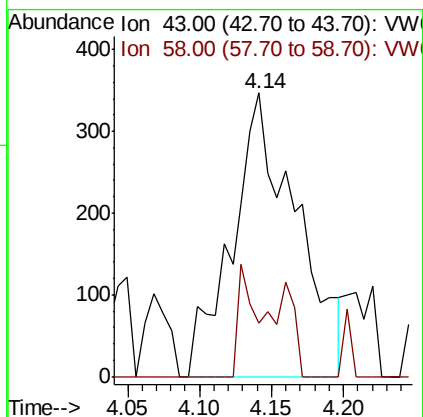
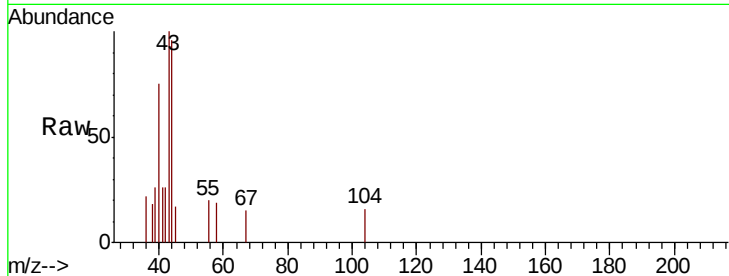




#16
Acetone
Concen: 1.655 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012147.D
Acq: 23 Aug 2019 21:33

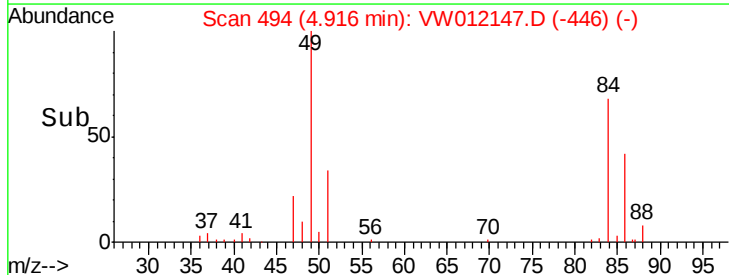
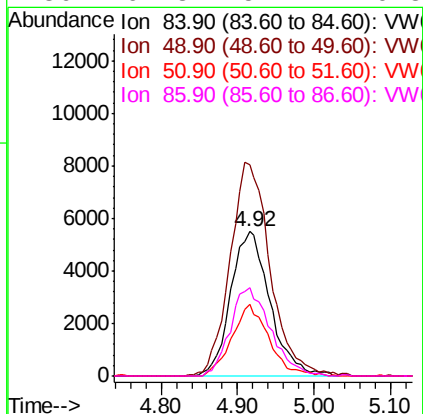
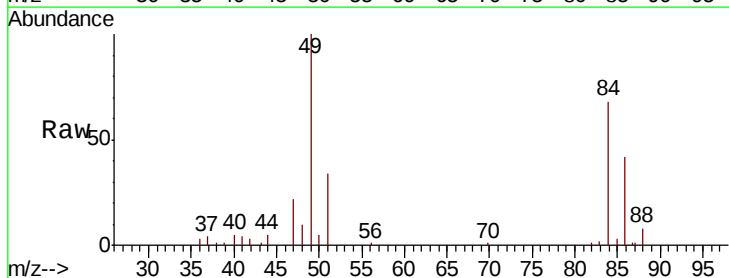
Instrument :
MSVOA_W
ClientSampleId :
T1-2-K1-(0)

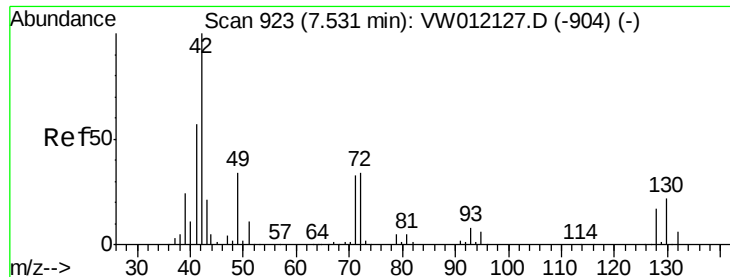
Tgt Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
58 19.0 22.4 33.6#



#20
Methylene Chloride
Concen: 8.005 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012147.D
Acq: 23 Aug 2019 21:33

Tgt Ion: 84 Resp: 19640
Ion Ratio Lower Upper
84 100
49 145.5 117.8 176.8
51 49.7 35.6 53.4
86 61.3 51.2 76.8





#29

Tetrahydrofuran

Concen: 10.946 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012147.D

Acq: 23 Aug 2019 21:33

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K1-(0)

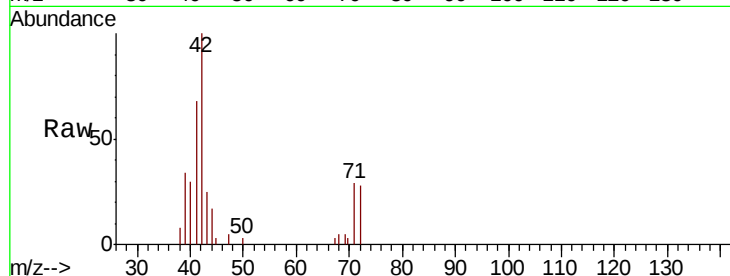
Tgt Ion: 42 Resp: 5792

Ion Ratio Lower Upper

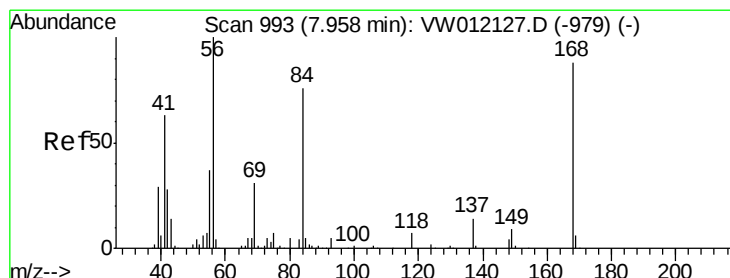
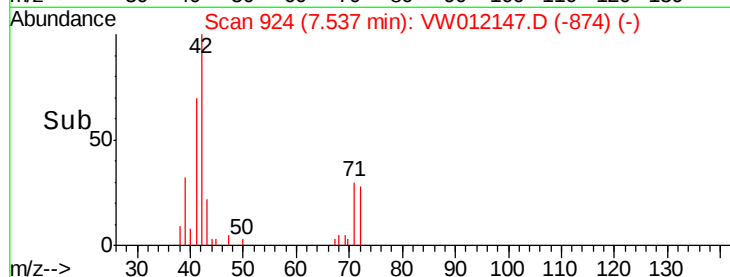
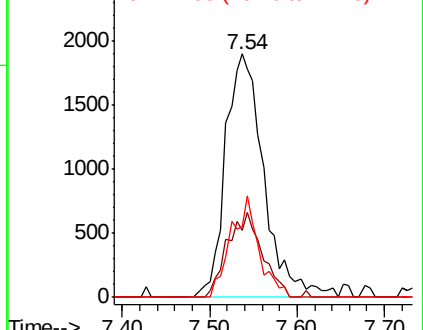
42 100

72 31.5 27.3 40.9

71 30.2 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: 1.241 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012147.D

Acq: 23 Aug 2019 21:33

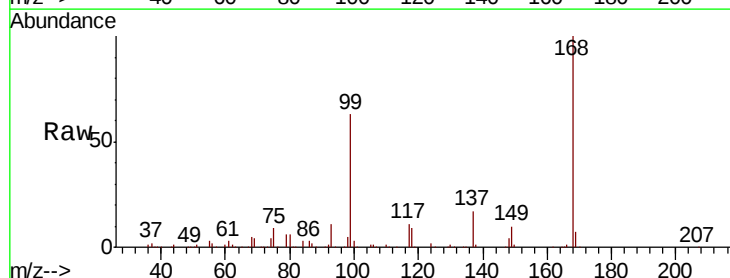
Tgt Ion: 56 Resp: 5677

Ion Ratio Lower Upper

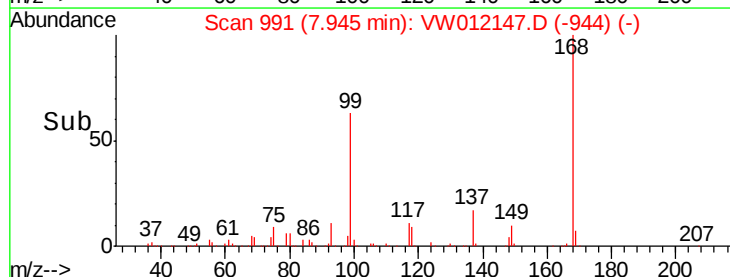
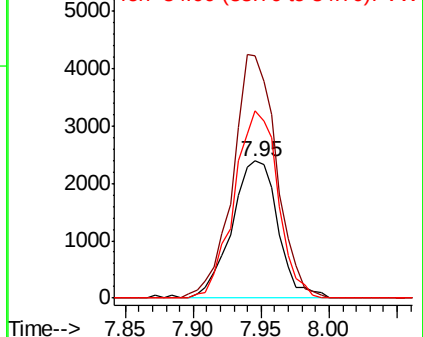
56 100

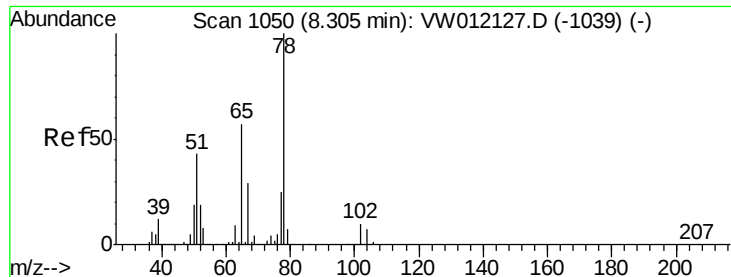
69 176.7 24.9 37.3#

84 137.0 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

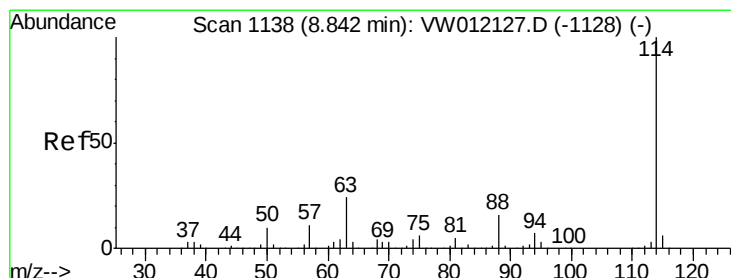
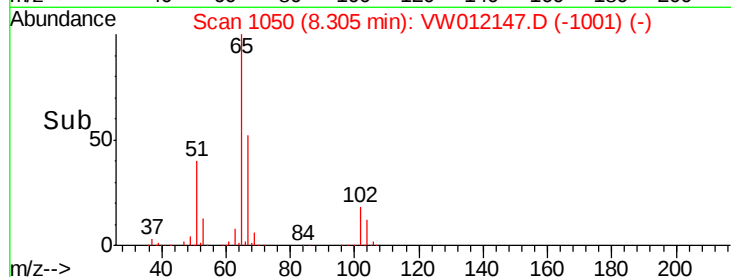
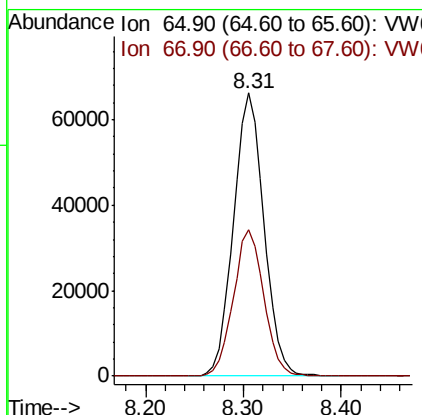
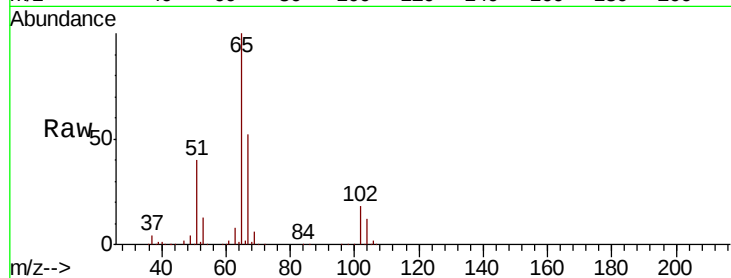




#33
 1,2-Dichloroethane-d4
 Concen: 56.363 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012147.D
 Acq: 23 Aug 2019 21:33

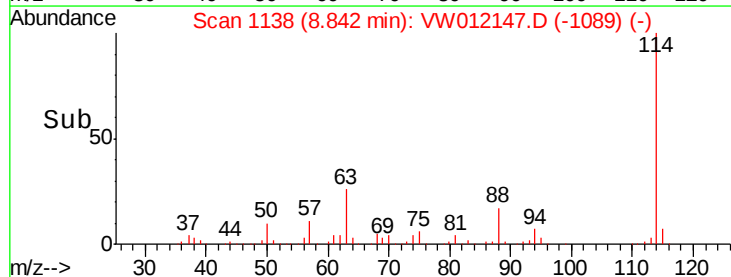
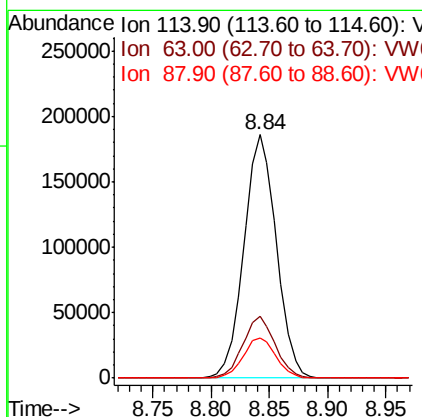
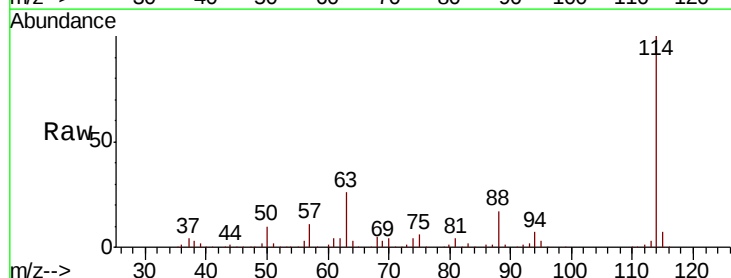
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K1-(0)

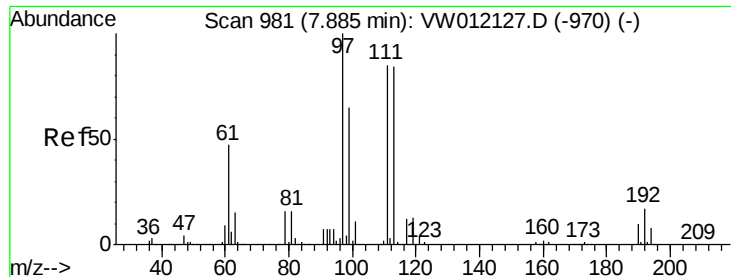
Tgt Ion: 65 Resp: 143105
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012147.D
 Acq: 23 Aug 2019 21:33

Tgt Ion: 114 Resp: 360041
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 48.6
 88 16.6 0.0 32.2

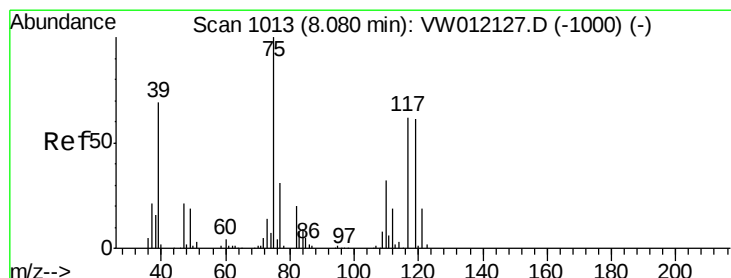
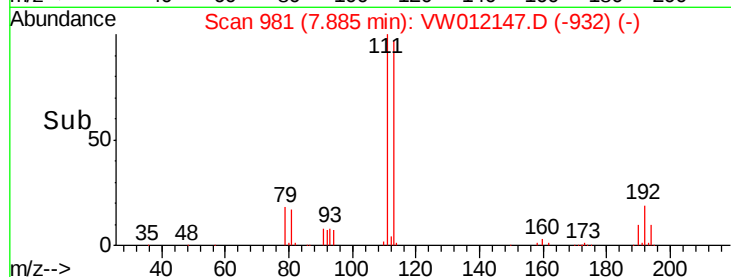
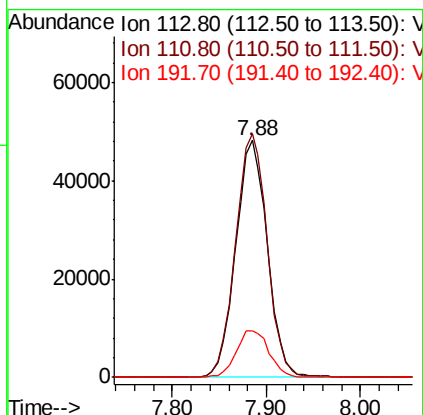
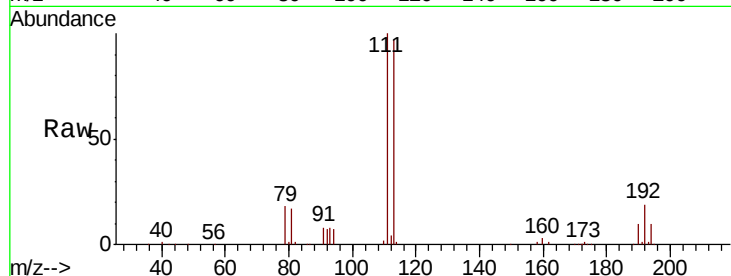




#35
 Dibromofluoromethane
 Concen: 52.549 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012147.D
 Acq: 23 Aug 2019 21:33

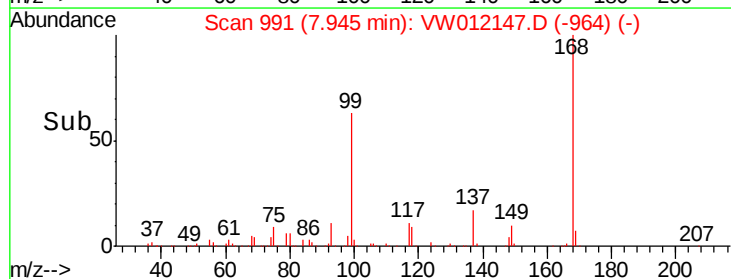
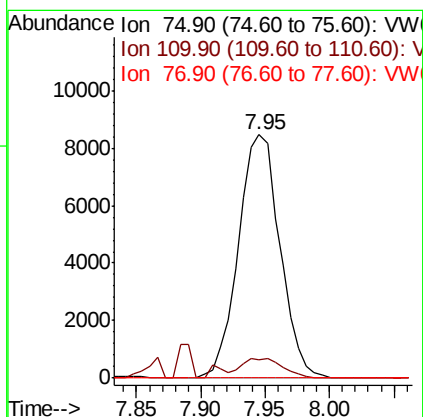
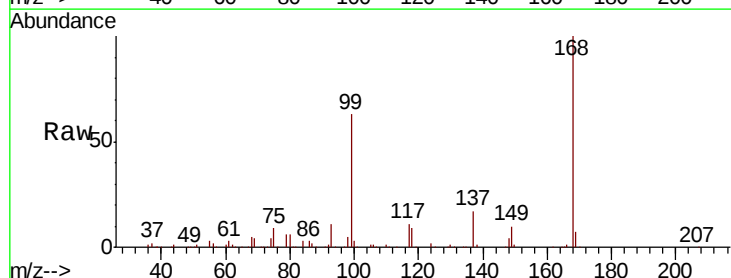
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K1-(0)

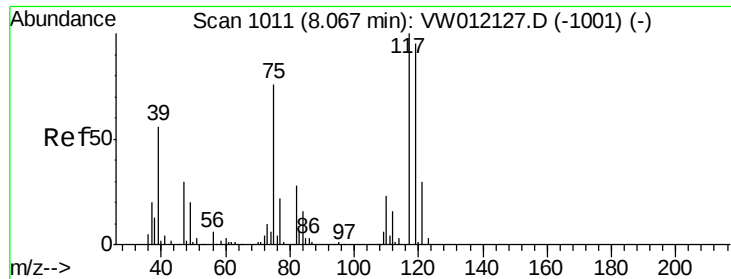
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.7	124.1
192	20.4	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.070 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012147.D
 Acq: 23 Aug 2019 21:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	15.6	46.8#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.773 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012147.D

Acq: 23 Aug 2019 21:33

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K1-(0)

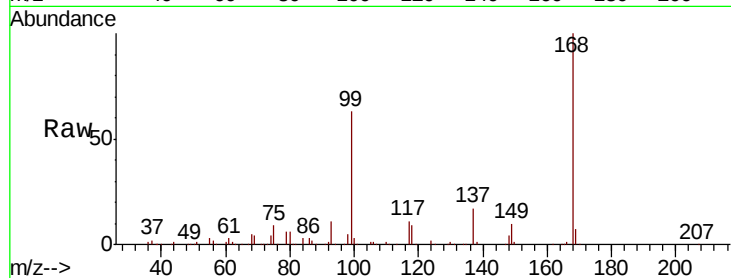
Tgt Ion: 117 Resp: 21812

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

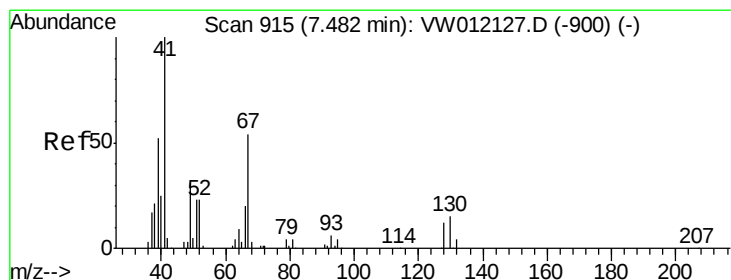
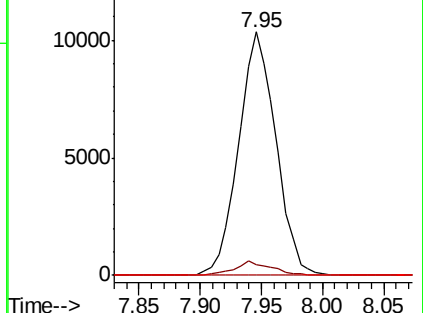
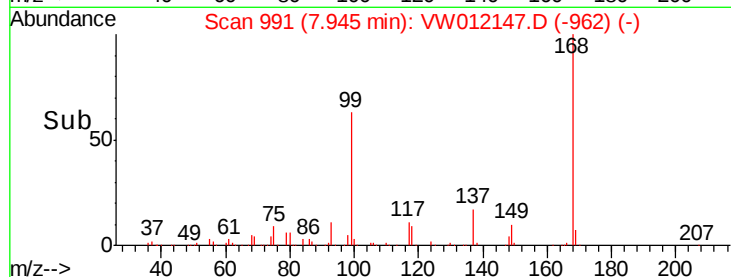
121 0.0 23.8 35.8#



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: VW012147.D

Acq: 23 Aug 2019 21:33

Tgt Ion: 41 Resp: 3474

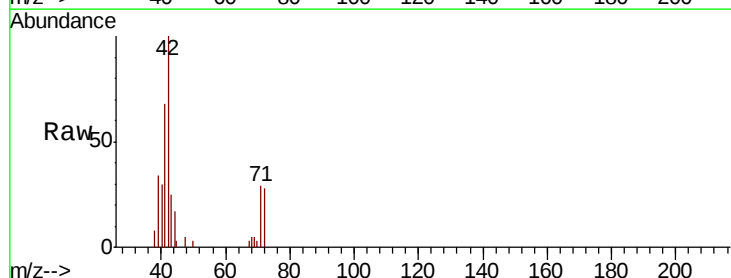
Ion Ratio Lower Upper

41 100

39 50.5 45.8 68.8

67 0.6 46.2 69.4#

52 0.0 21.0 31.6#

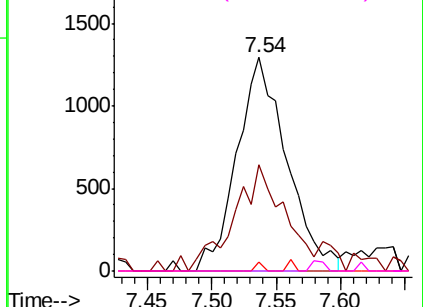
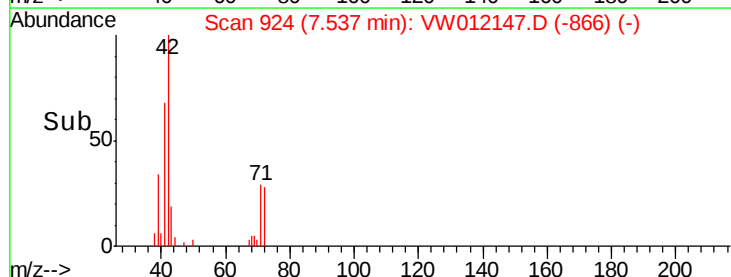


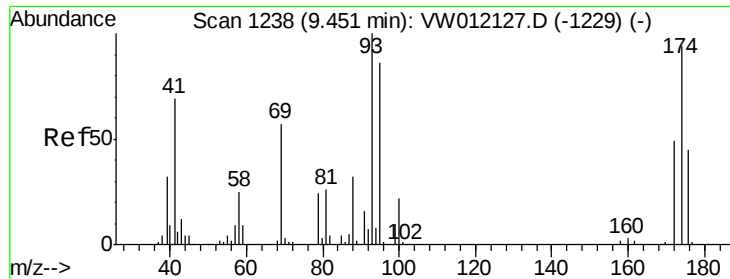
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 1.396 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.08 min

Lab File: VW012147.D

Acq: 23 Aug 2019 21:33

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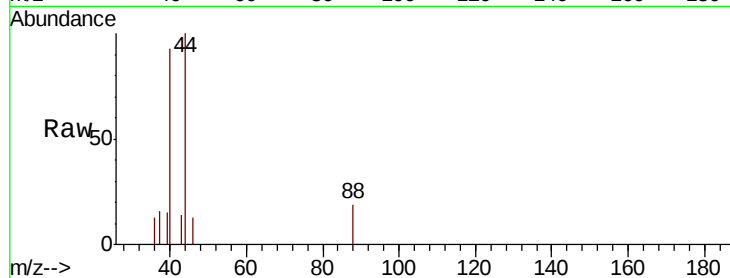
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 184.6 32.9 49.3#

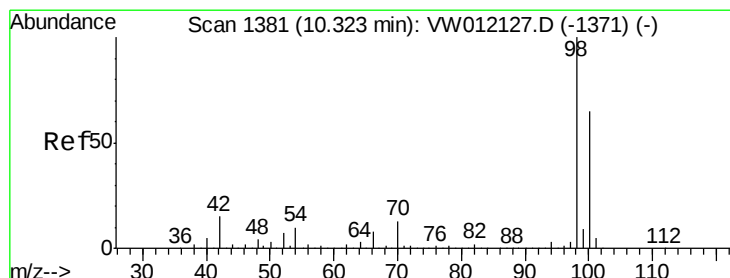
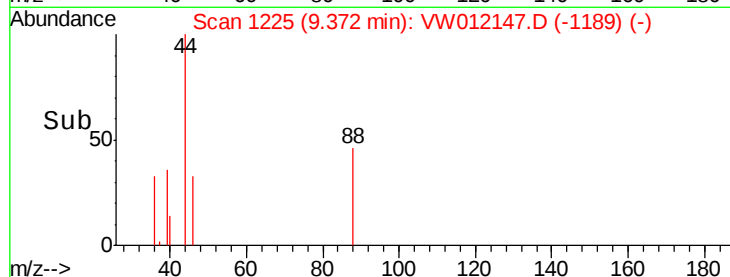
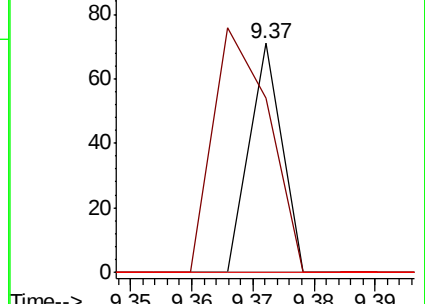
58 0.0 71.0 106.4#



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: 50.451 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012147.D

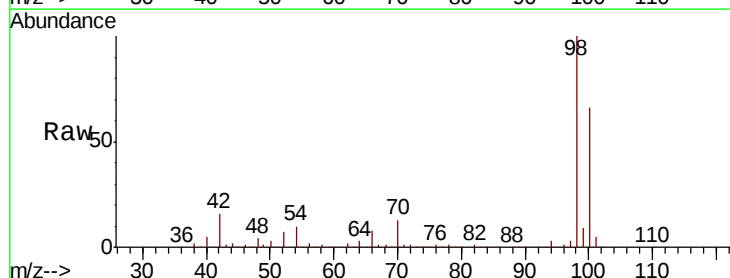
Acq: 23 Aug 2019 21:33

Tgt Ion: 98 Resp: 439632

Ion Ratio Lower Upper

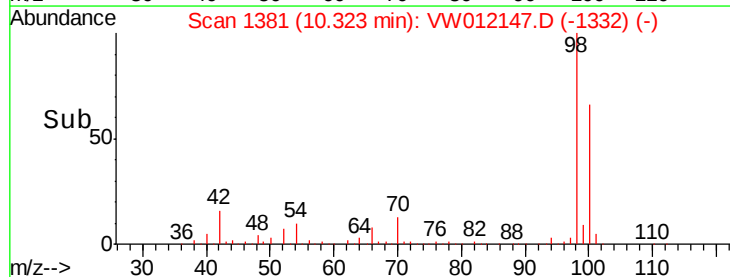
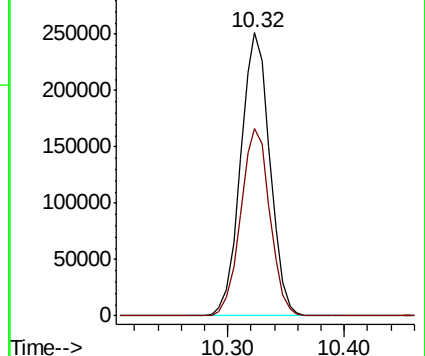
98 100

100 66.0 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: 43.032 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012147.D

Acq: 23 Aug 2019 21:33

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K1-(0)

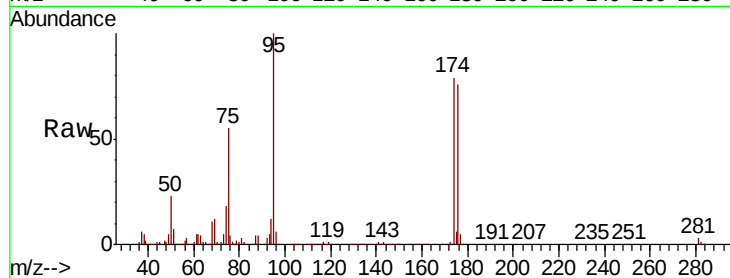
Tgt Ion: 95 Resp: 132181

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.8

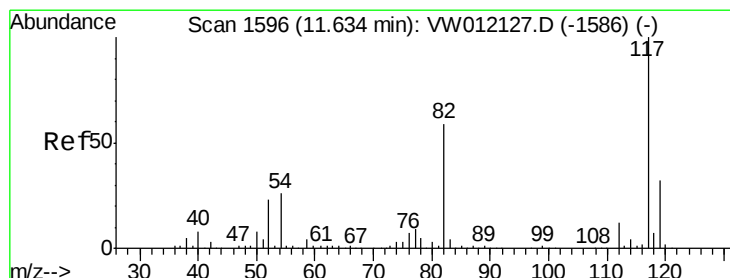
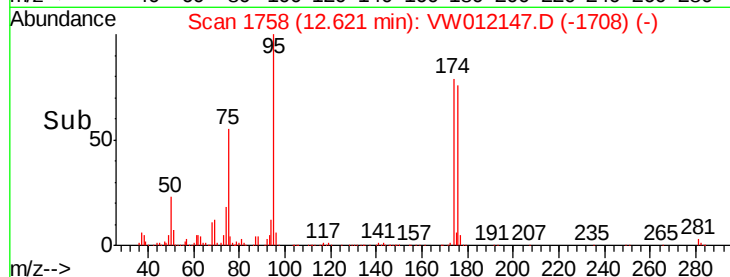
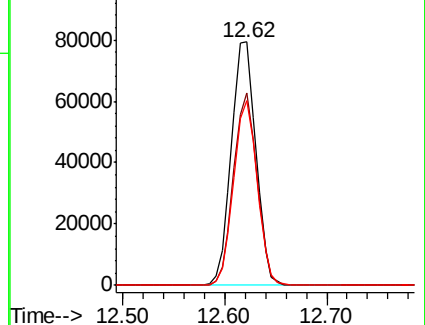
176 72.8 0.0 148.6



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: VW012147.D

Acq: 23 Aug 2019 21:33

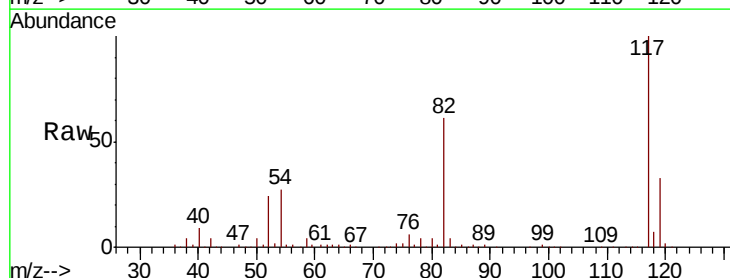
Tgt Ion: 117 Resp: 292481

Ion Ratio Lower Upper

117 100

82 60.6 47.4 71.2

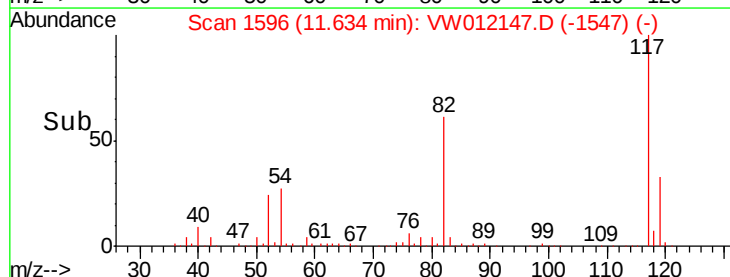
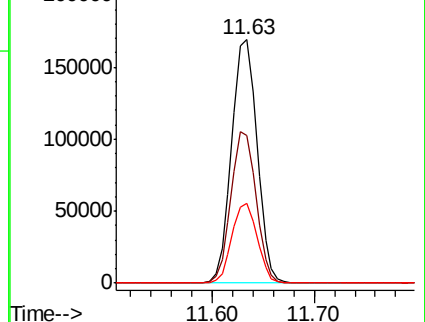
119 32.6 25.4 38.2

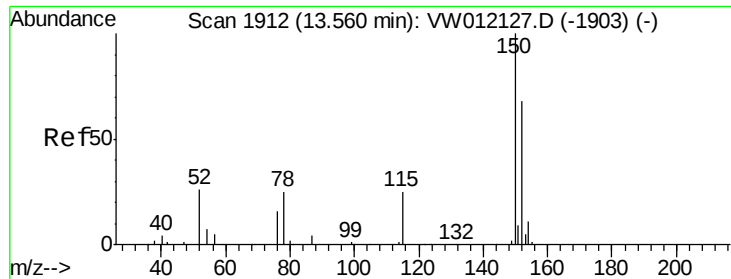


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012147.D

Acq: 23 Aug 2019 21:33

Instrument :

MSVOA_W

ClientSampleId :

T1-2-K1-(0)

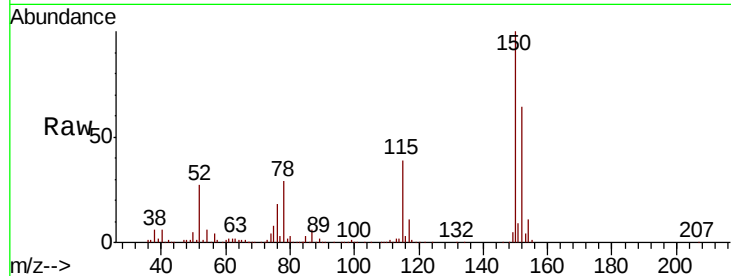
Tgt Ion:152 Resp: 107603

Ion Ratio Lower Upper

152 100

115 60.7 30.1 90.3

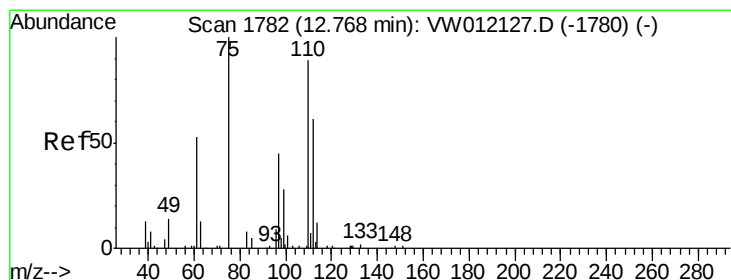
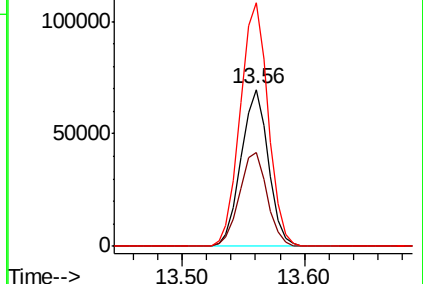
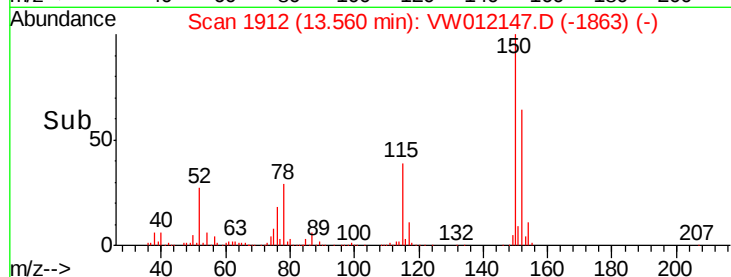
150 158.9 0.0 345.8



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: 68.666 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012147.D

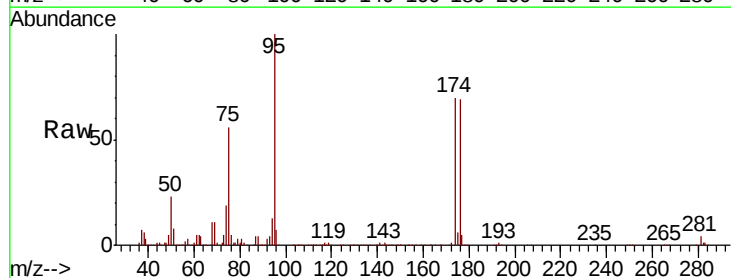
Acq: 23 Aug 2019 21:33

Tgt Ion: 75 Resp: 71960

Ion Ratio Lower Upper

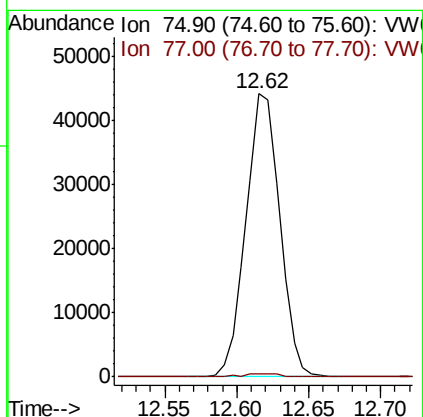
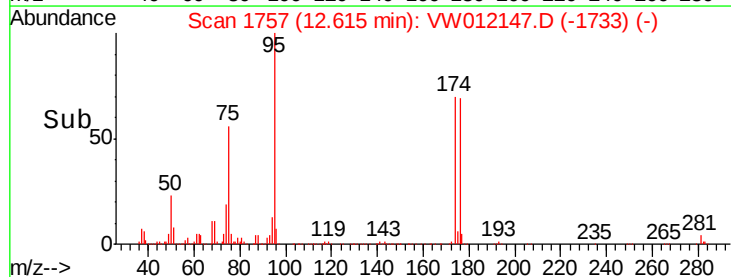
75 100

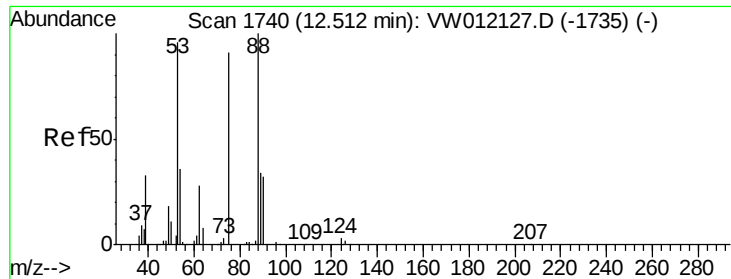
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

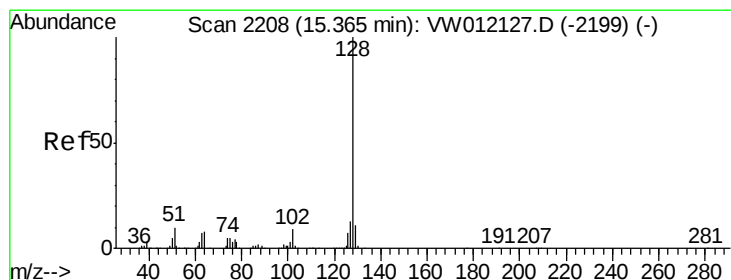
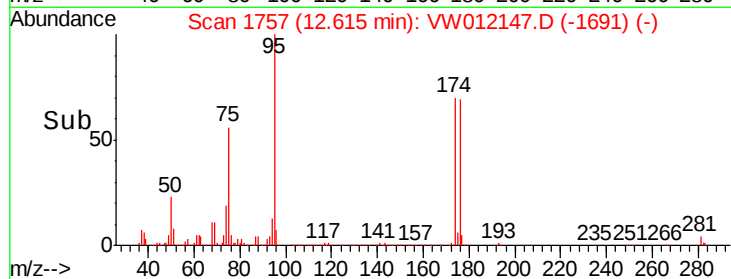
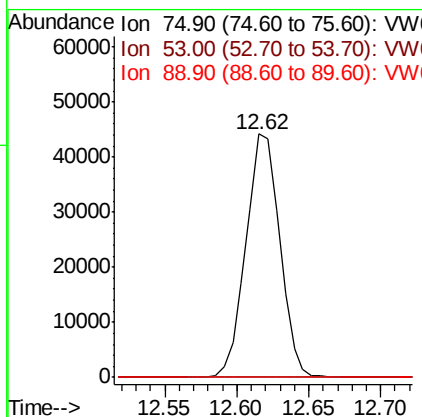
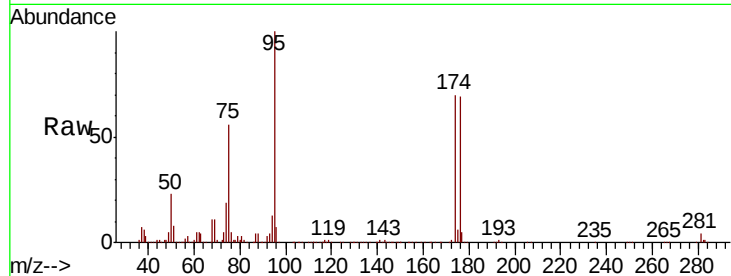




#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.552 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012147.D
 Acq: 23 Aug 2019 21:33

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K1-(0)

Tgt Ion: 75 Resp: 71960
 Ion Ratio Lower Upper
 75 100
 53 0.2 89.4 134.0#
 89 0.1 34.5 51.7#



#95
 Naphthalene
 Concen: 4.330 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW012147.D
 Acq: 23 Aug 2019 21:33

Tgt Ion: 128 Resp: 41
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.7 13.1#

