

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012071.D
 Acq On : 21 Aug 2019 14:52
 Operator : SY/VA
 Sample : K4388-09RE
 Misc : 9.35G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-C-(2)

Quant Time: Aug 22 05:15:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

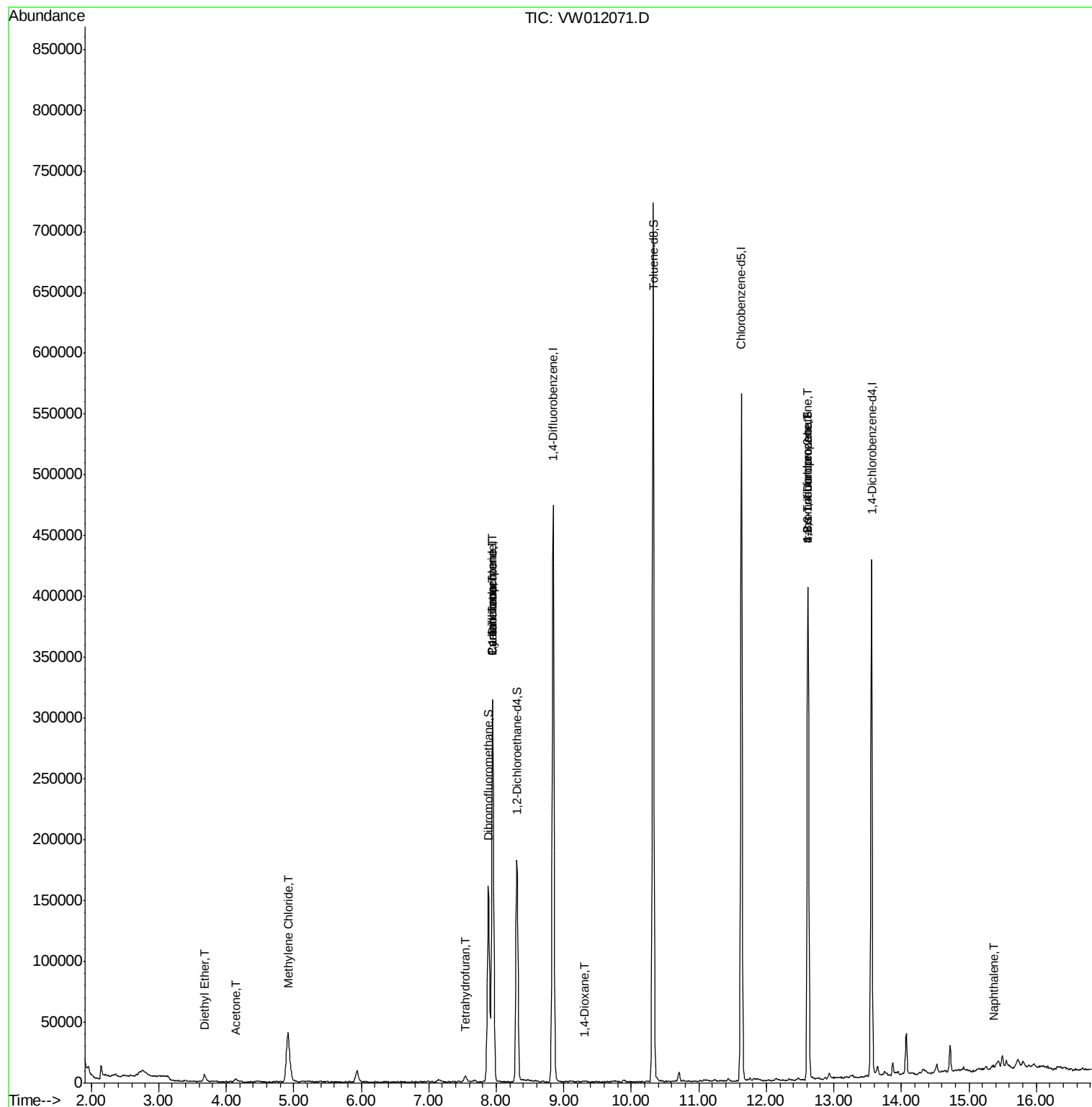
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	375572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	103668	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	142929	54.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.46%	
35) Dibromofluoromethane	7.88	113	114643	54.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.82%	
50) Toluene-d8	10.32	98	454328	52.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.62	95	136803	44.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.96%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	3083	2.299	ug/l	84
11) Tert butyl alcohol	5.20	59	907	Below Cal	#	72
16) Acetone	4.14	43	4137	4.980	ug/l	90
20) Methylene Chloride	4.92	84	32160	11.225	ug/l	97
29) Tetrahydrofuran	7.54	42	4736	7.622	ug/l	96
31) Cyclohexane	7.94	56	5586	1.144	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19212	4.920	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23054	6.896	ug/l #	16
49) 1,4-Dioxane	9.30	88	37	1.913	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	70984	64.712	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70984	149.138	ug/l #	6
95) Naphthalene	15.36	128	732	2.237	ug/l #	74

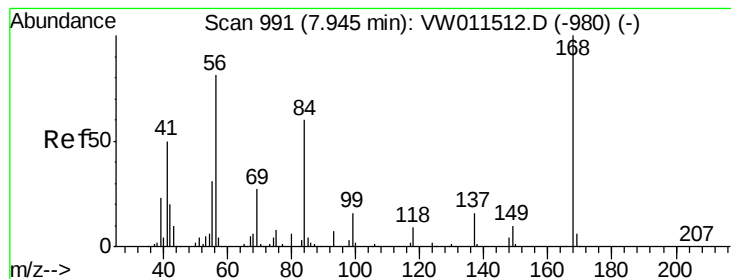
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 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: VW012071.D

Acq: 21 Aug 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

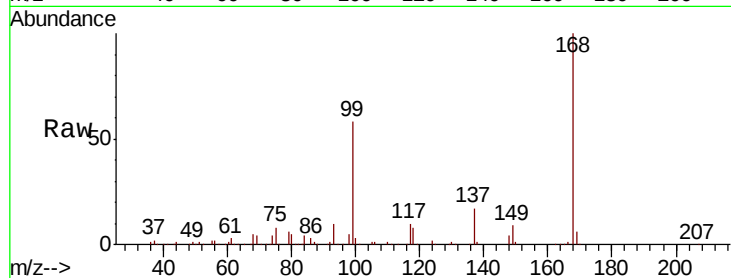
T4-C-(2)

Tgt Ion:168 Resp: 227441

Ion Ratio Lower Upper

168 100

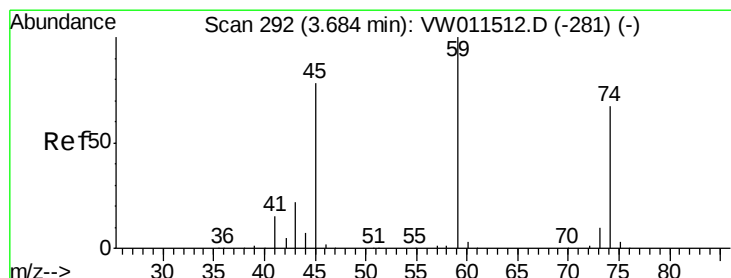
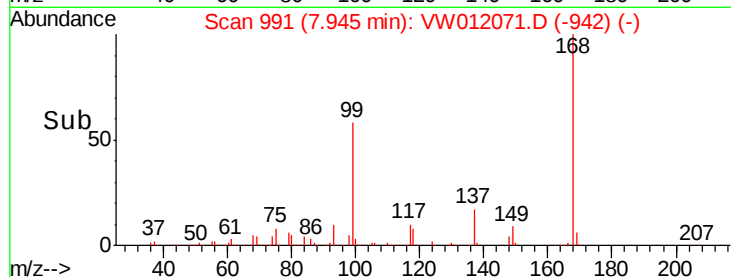
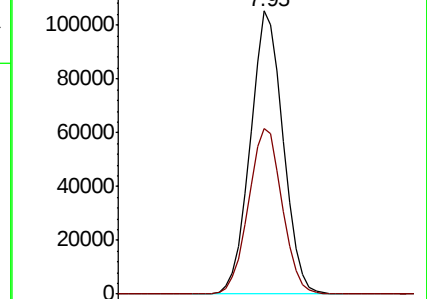
99 58.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95



#8

Diethyl Ether

Concen: 2.299 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW012071.D

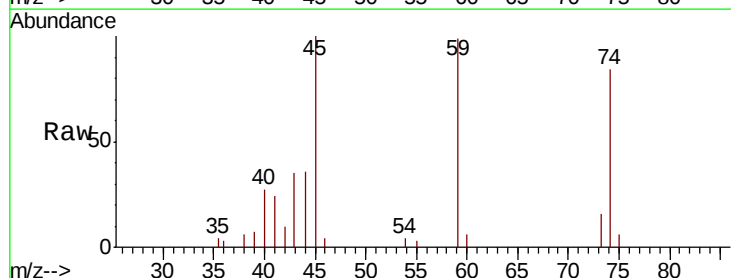
Acq: 21 Aug 2019 14:52

Tgt Ion: 74 Resp: 3083

Ion Ratio Lower Upper

74 100

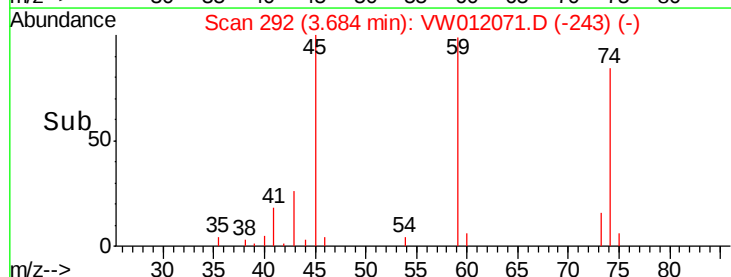
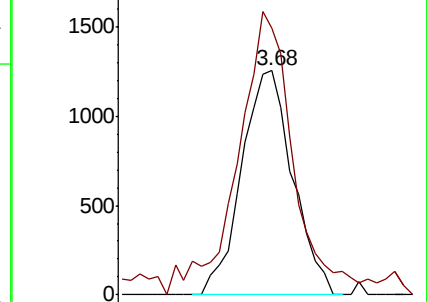
45 136.7 59.6 178.8

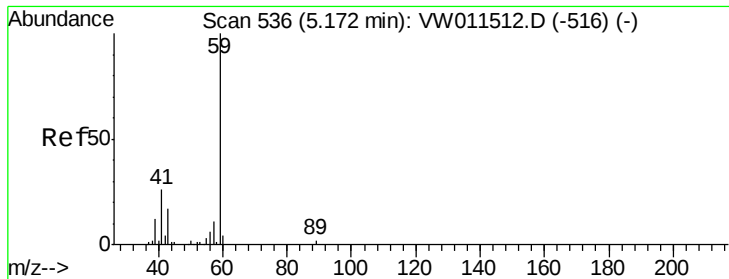


Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68



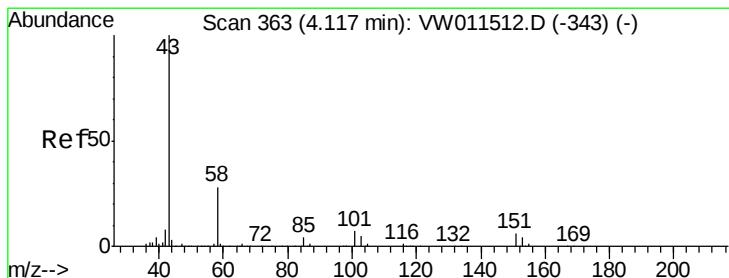
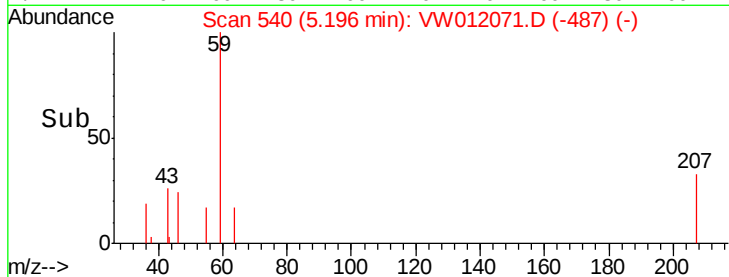
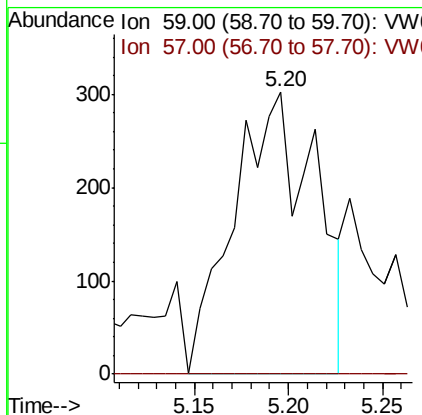
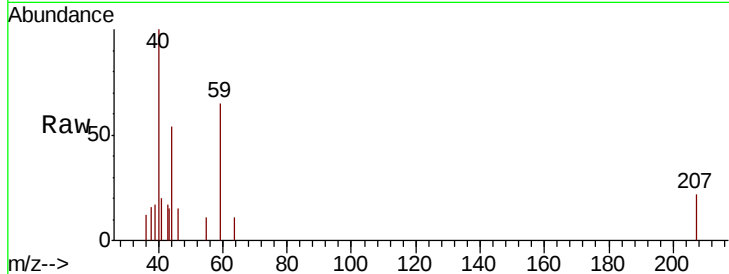


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VW012071.D
 Acq: 21 Aug 2019 14:52

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-C-(2)

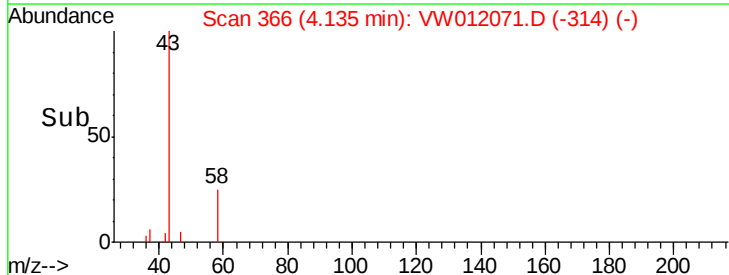
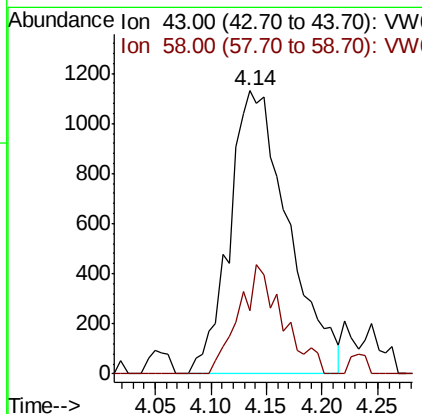
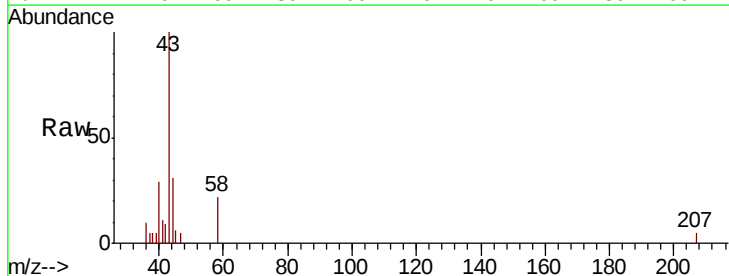
Tgt Ion: 59 Resp: 907
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

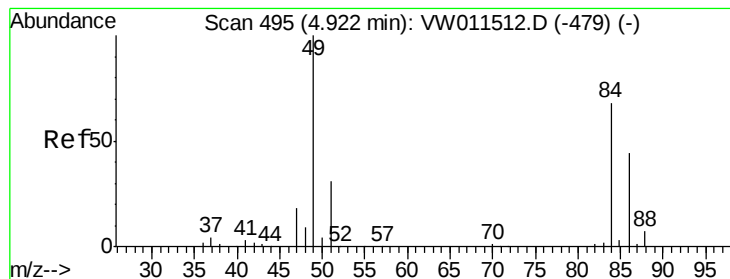


#16

Acetone
 Concen: 4.980 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VW012071.D
 Acq: 21 Aug 2019 14:52

Tgt Ion: 43 Resp: 4137
 Ion Ratio Lower Upper
 43 100
 58 22.5 22.3 33.5





#20

Methylene Chloride

Concen: 11.225 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012071.D

Acq: 21 Aug 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

T4-C-(2)

Tgt Ion: 84 Resp: 32160

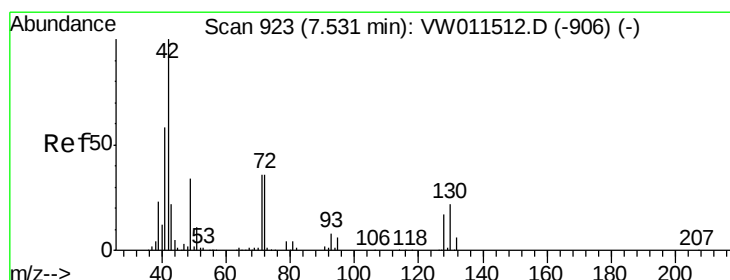
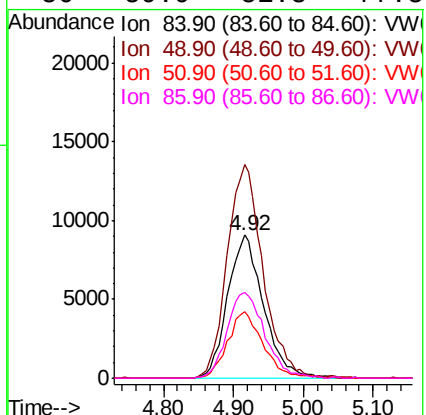
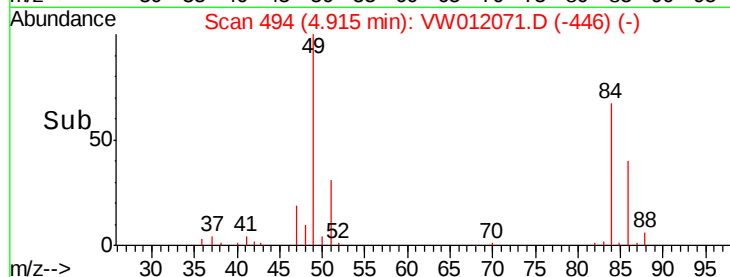
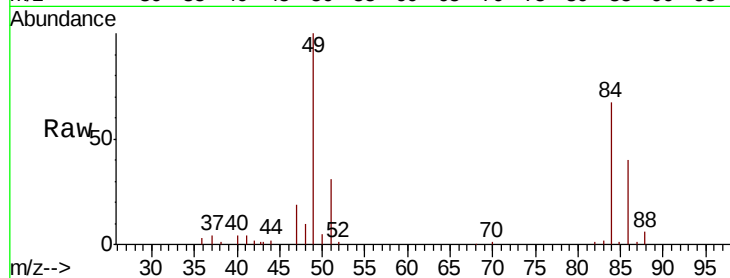
Ion Ratio Lower Upper

84 100

49 149.6 117.8 176.6

51 46.8 37.0 55.4

86 59.9 51.8 77.8



#29

Tetrahydrofuran

Concen: 7.622 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012071.D

Acq: 21 Aug 2019 14:52

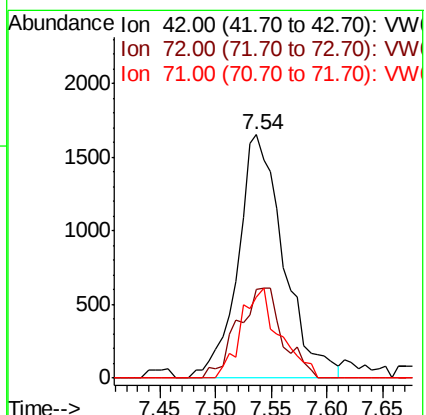
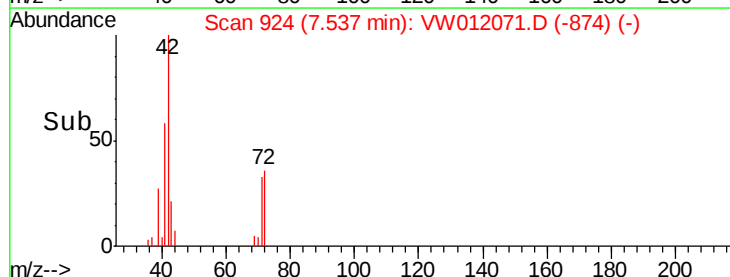
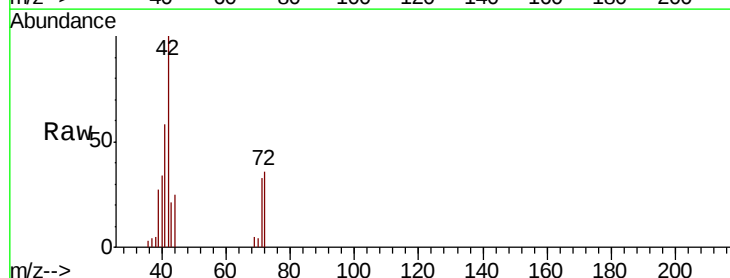
Tgt Ion: 42 Resp: 4736

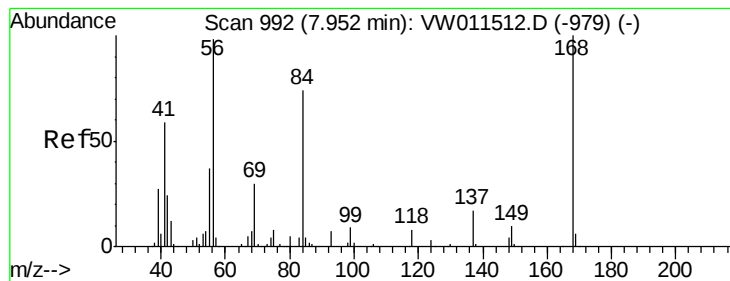
Ion Ratio Lower Upper

42 100

72 36.1 27.1 40.7

71 30.8 26.2 39.4





#31

Cyclohexane

Concen: 1.144 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012071.D

Acq: 21 Aug 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

T4-C-(2)

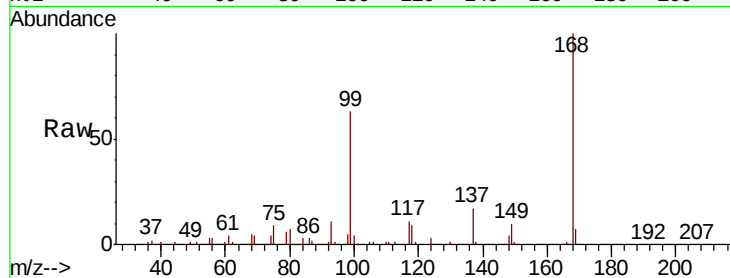
Tgt Ion: 56 Resp: 5586

Ion Ratio Lower Upper

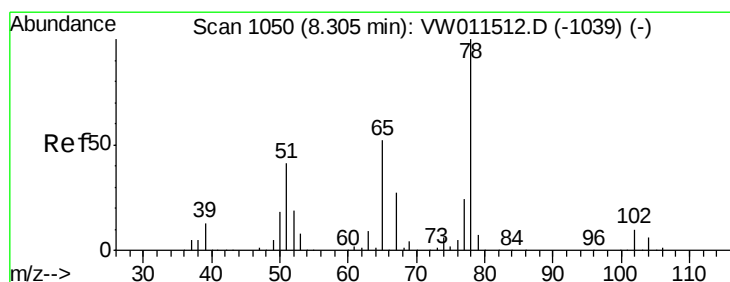
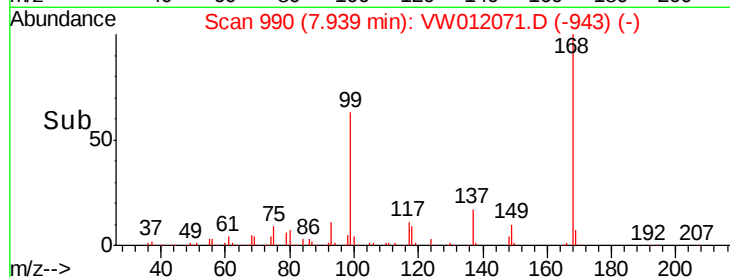
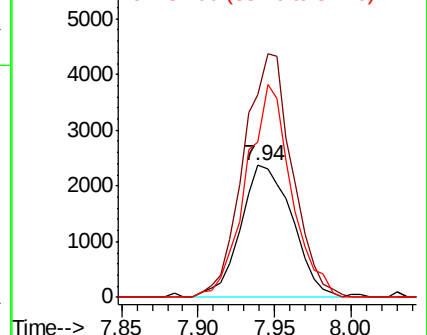
56 100

69 153.8 24.3 36.5#

84 117.8 60.4 90.6#



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: 54.727 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012071.D

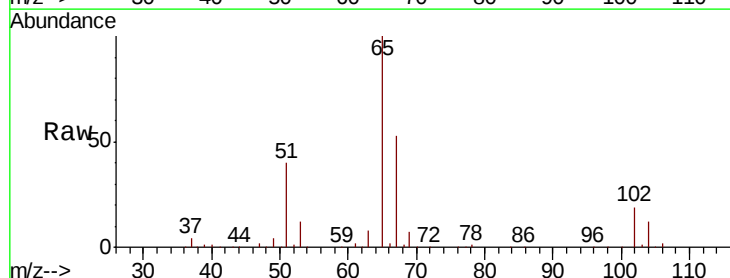
Acq: 21 Aug 2019 14:52

Tgt Ion: 65 Resp: 142929

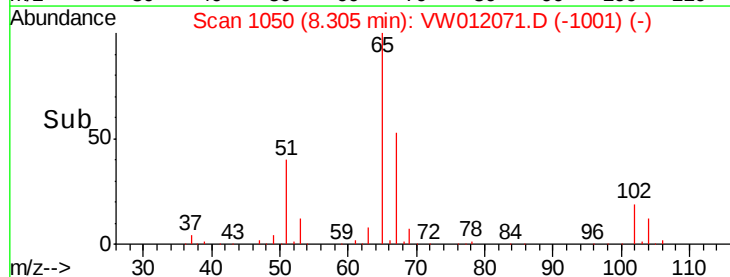
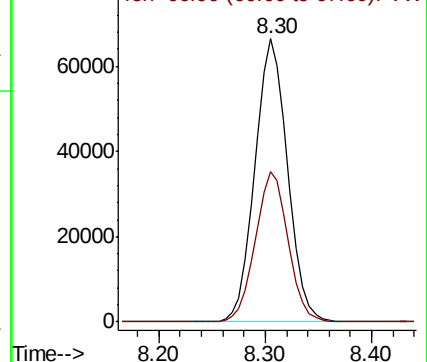
Ion Ratio Lower Upper

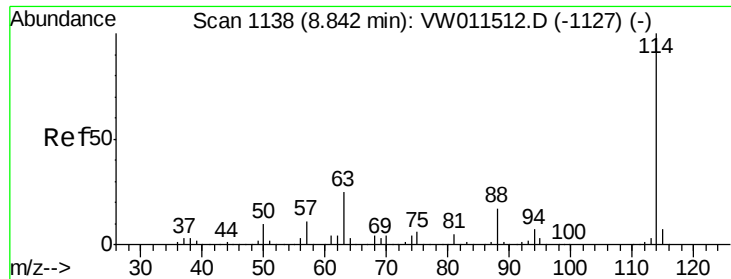
65 100

67 53.3 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

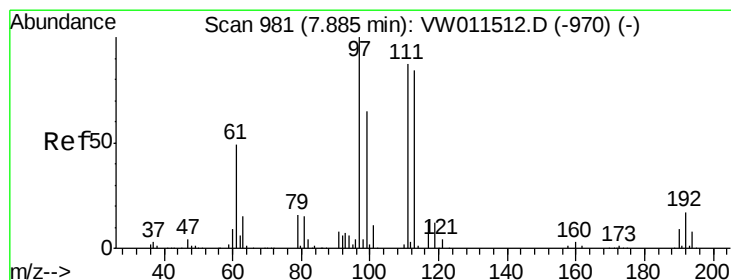
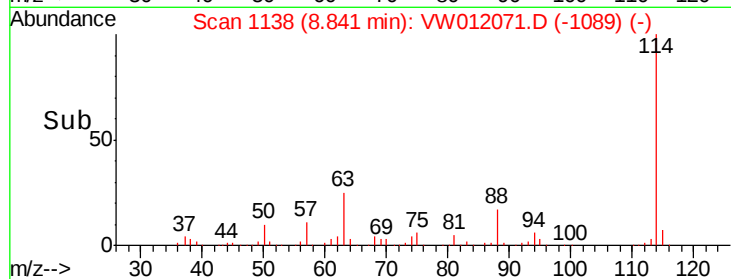
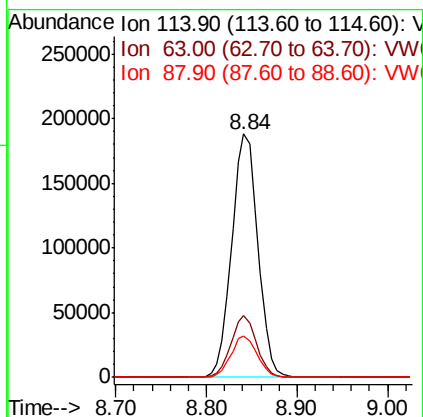
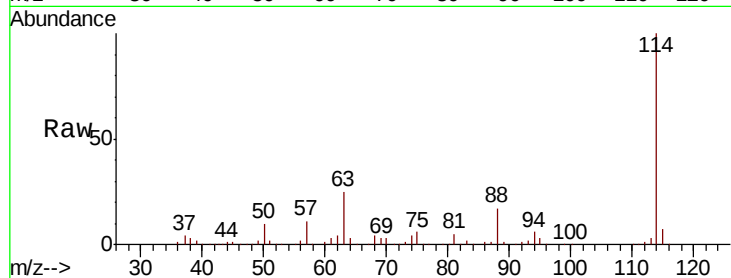




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012071.D
 Acq: 21 Aug 2019 14:52

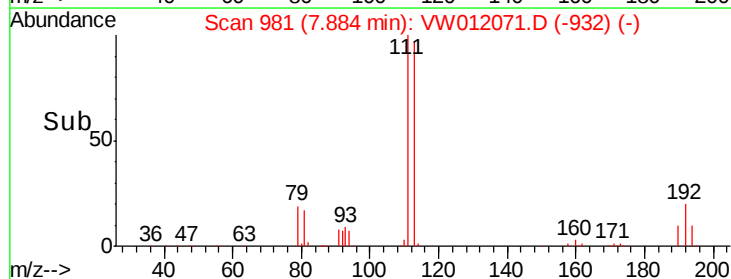
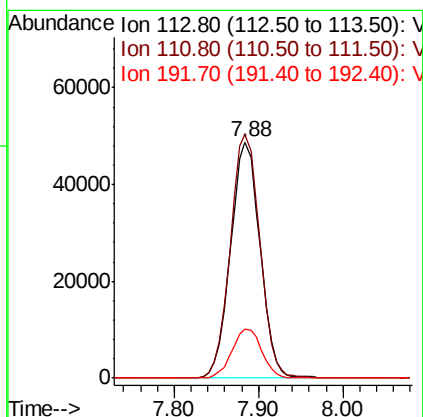
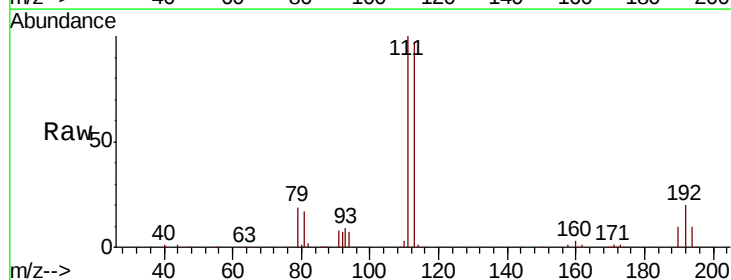
Instrument :
 MSVOA_W
 ClientSampled :
 T4-C-(2)

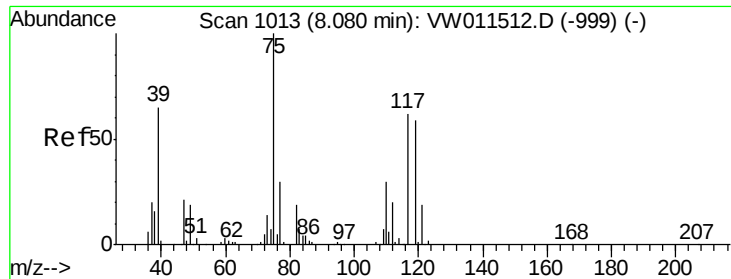
Tgt Ion:114 Resp: 375572
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.2
 88 17.2 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 54.410 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012071.D
 Acq: 21 Aug 2019 14:52

Tgt Ion:113 Resp: 114643
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.7 124.1
 192 20.9 16.1 24.1

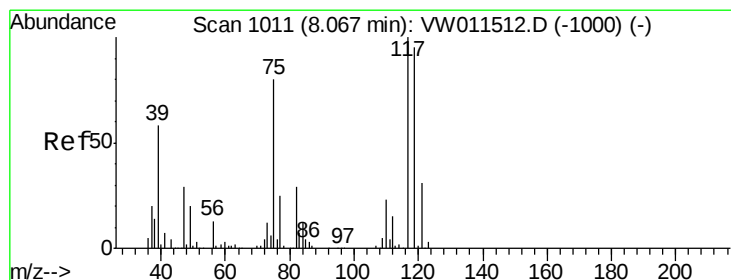
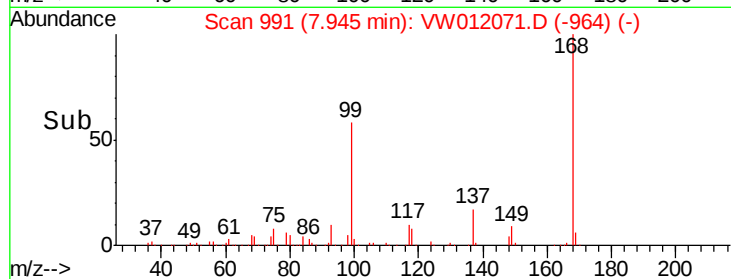
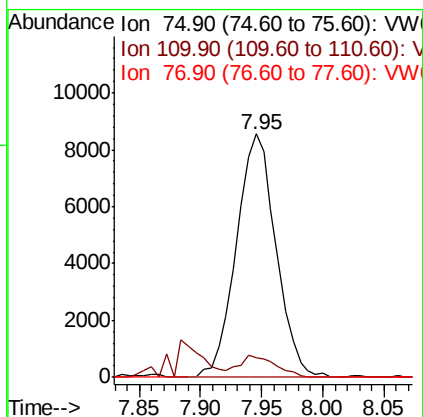
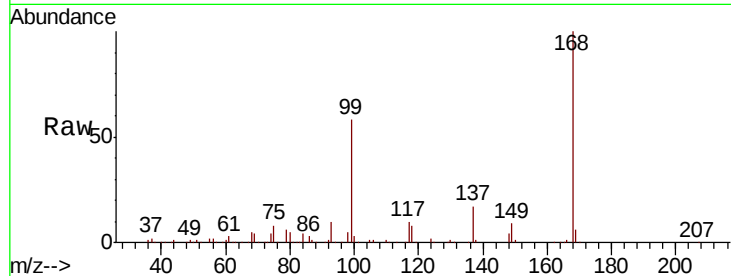




#36
 1,1-Dichloropropene
 Concen: 4.920 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012071.D
 Acq: 21 Aug 2019 14:52

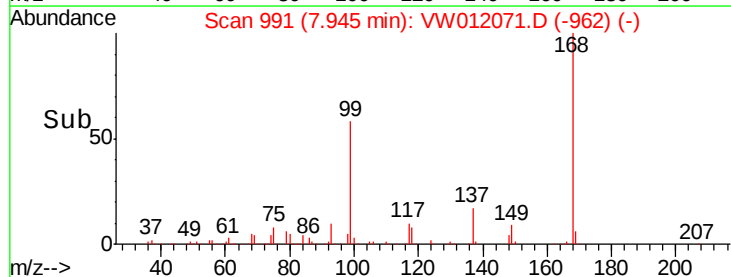
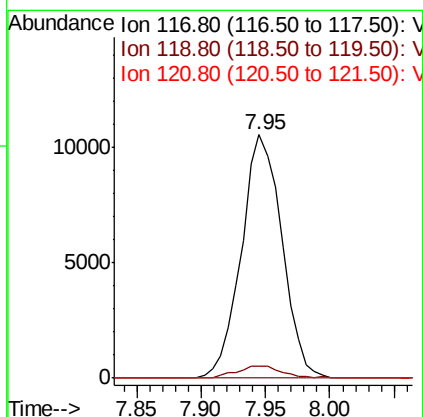
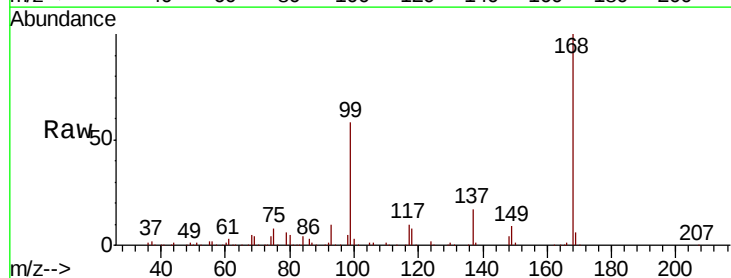
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-C-(2)

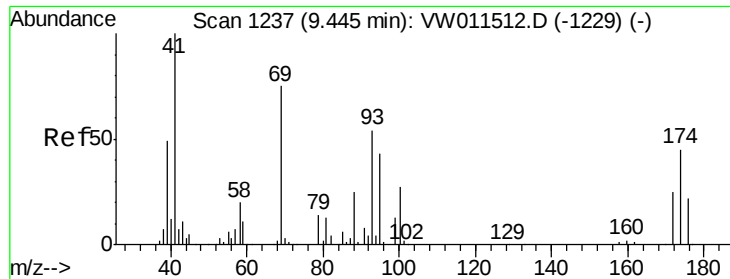
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.896 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012071.D
 Acq: 21 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.8	113.6#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 1.913 ug/l

RT: 9.30 min Scan# 1214

Delta R.T. -0.14 min

Lab File: VW012071.D

Acq: 21 Aug 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

T4-C-(2)

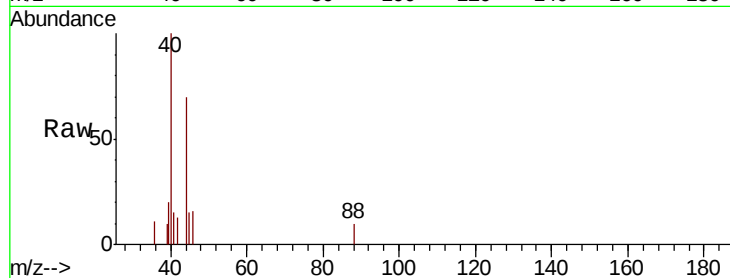
Tgt Ion: 88 Resp: 37

Ion Ratio Lower Upper

88 100

43 264.9 34.0 51.0#

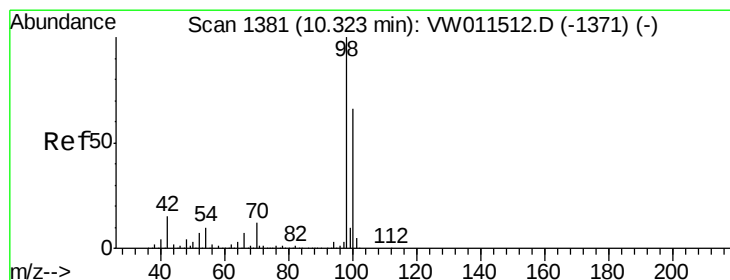
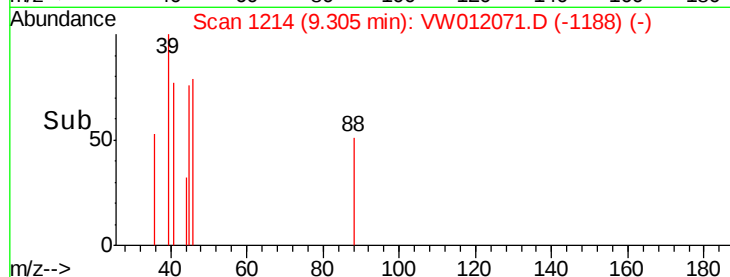
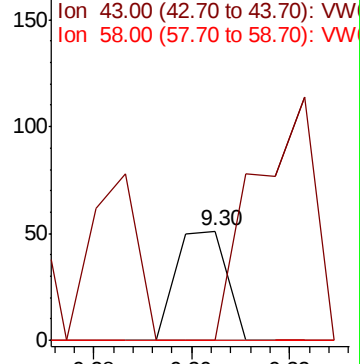
58 0.0 69.7 104.5#



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: 52.665 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012071.D

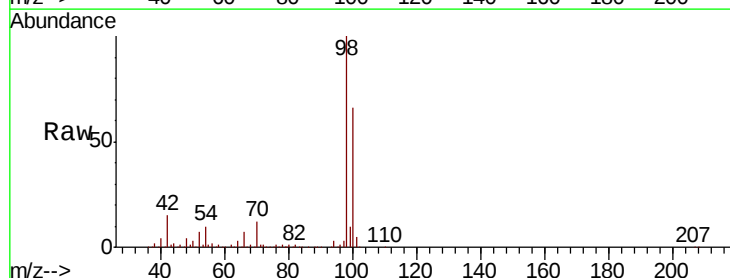
Acq: 21 Aug 2019 14:52

Tgt Ion: 98 Resp: 454328

Ion Ratio Lower Upper

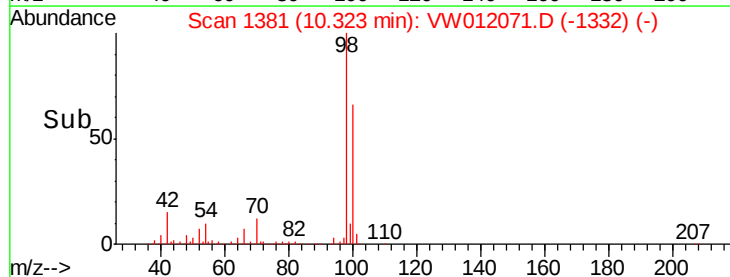
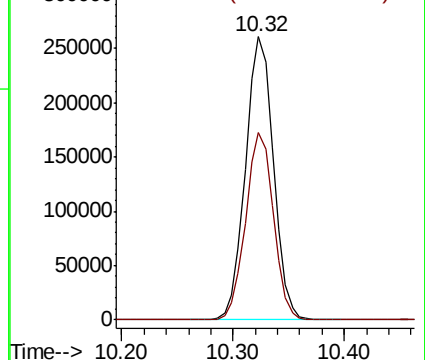
98 100

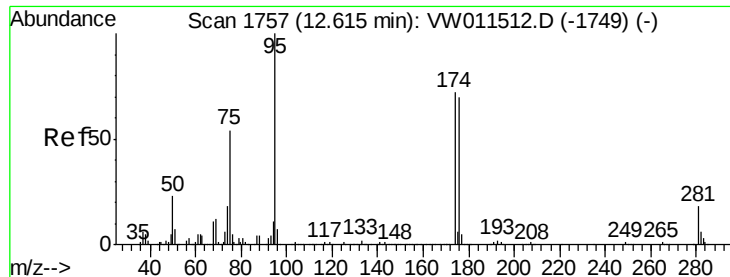
100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 44.480 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012071.D

Acq: 21 Aug 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

T4-C-(2)

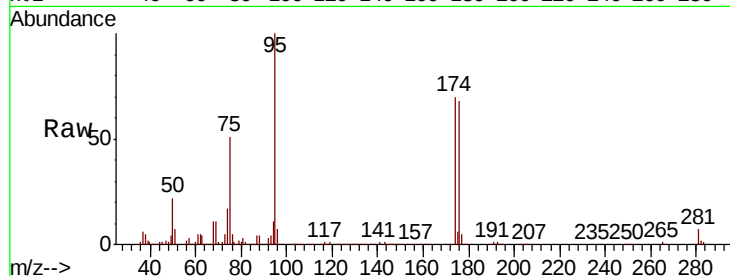
Tgt Ion: 95 Resp: 136803

Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.2

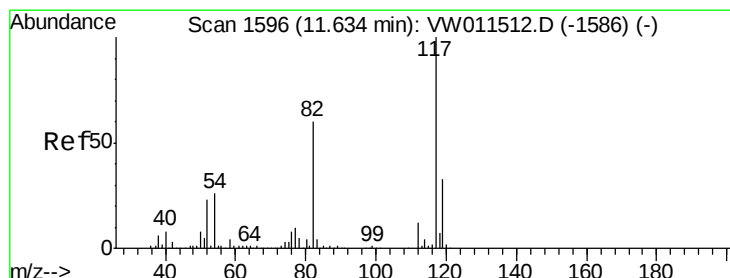
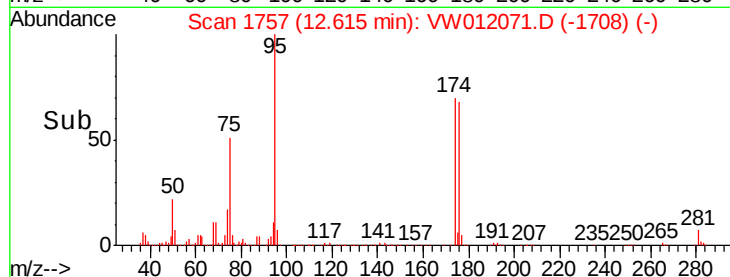
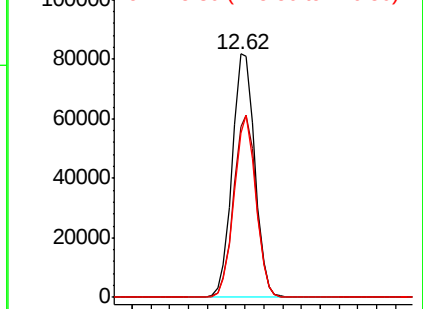
176 71.7 0.0 144.4



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: VW012071.D

Acq: 21 Aug 2019 14:52

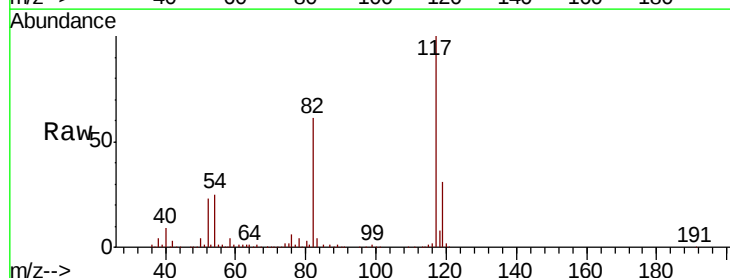
Tgt Ion: 117 Resp: 300673

Ion Ratio Lower Upper

117 100

82 60.5 47.9 71.9

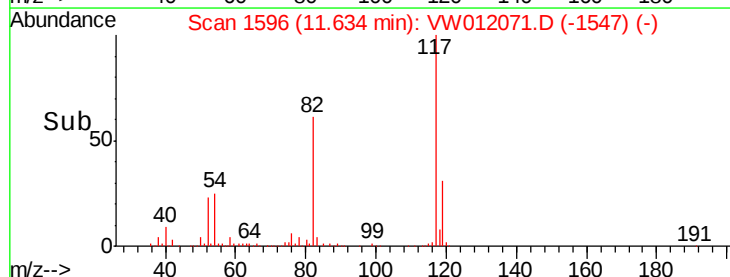
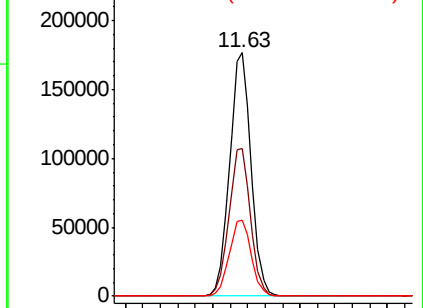
119 31.2 26.2 39.2

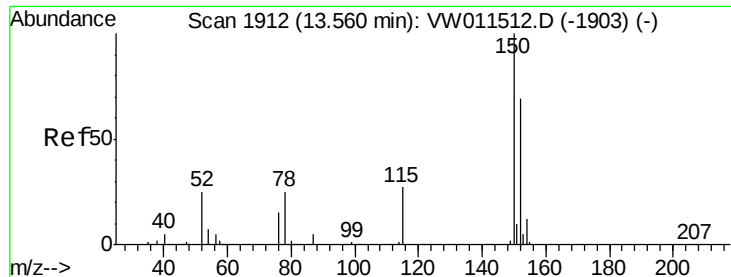


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012071.D

Acq: 21 Aug 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

T4-C-(2)

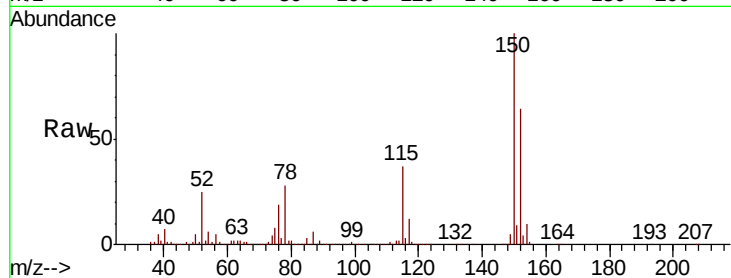
Tgt Ion:152 Resp: 103668

Ion Ratio Lower Upper

152 100

115 60.3 30.5 91.5

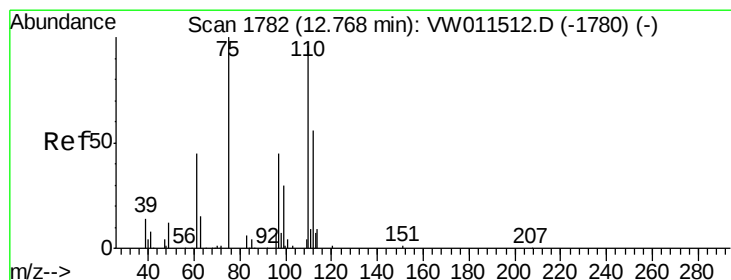
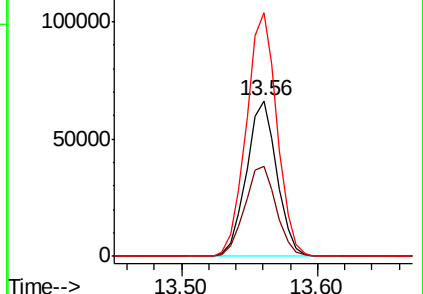
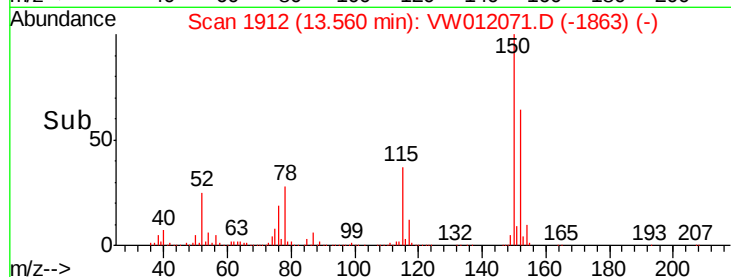
150 158.6 0.0 352.6



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: 64.712 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012071.D

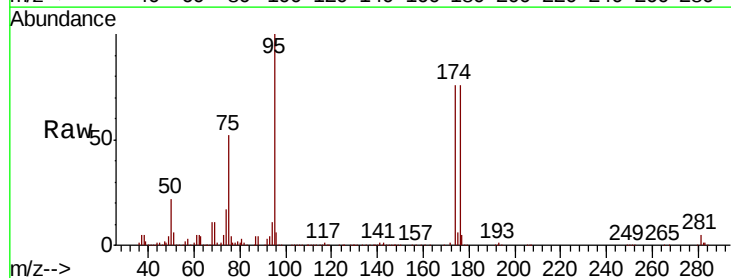
Acq: 21 Aug 2019 14:52

Tgt Ion: 75 Resp: 70984

Ion Ratio Lower Upper

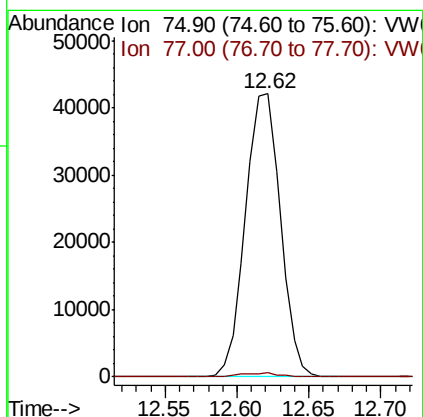
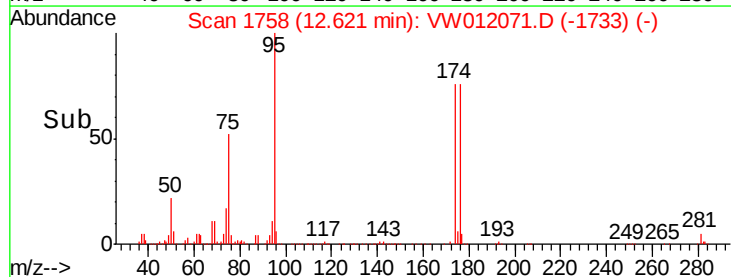
75 100

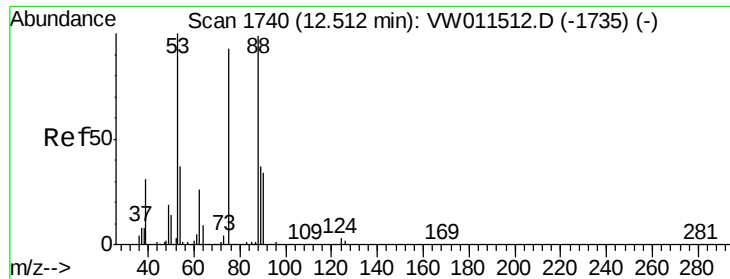
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

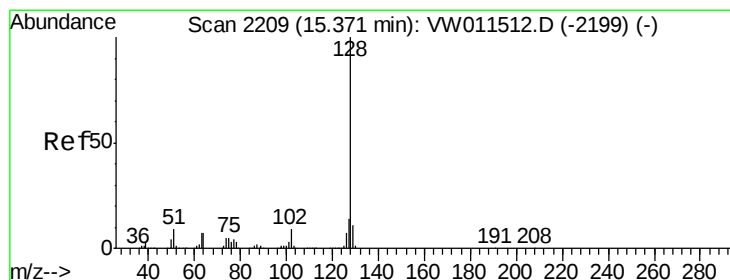
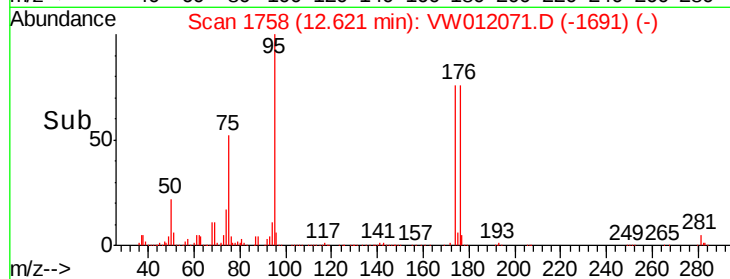
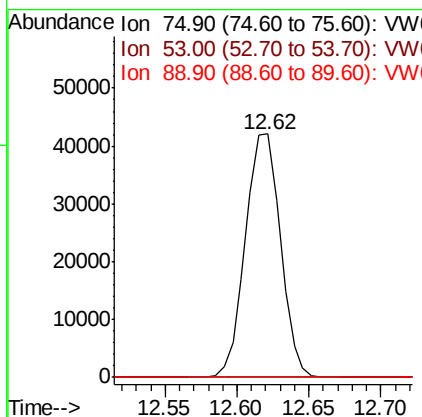
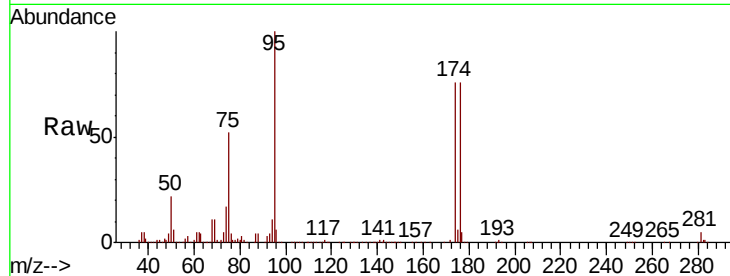




#81
trans-1,4-Dichloro-2-butene
Concen: 149.138 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW012071.D
Acq: 21 Aug 2019 14:52

Instrument :
MSVOA_W
ClientSampled :
T4-C-(2)

Tgt Ion: 75 Resp: 70984
Ion Ratio Lower Upper
75 100
53 0.2 88.0 132.0#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.237 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012071.D
Acq: 21 Aug 2019 14:52

Tgt Ion: 128 Resp: 732
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 4.0 8.6 13.0#

