

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012091.D
 Acq On : 22 Aug 2019 00:37
 Operator : SY/VA
 Sample : K4403-14
 Misc : 5.50G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-I(0)

Quant Time: Aug 22 05:20:39 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	264736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	443103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	358226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	116393	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	167299	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
35) Dibromofluoromethane	7.88	113	134294	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
50) Toluene-d8	10.32	98	548028	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
62) 4-Bromofluorobenzene	12.62	95	156839	43.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.44%	

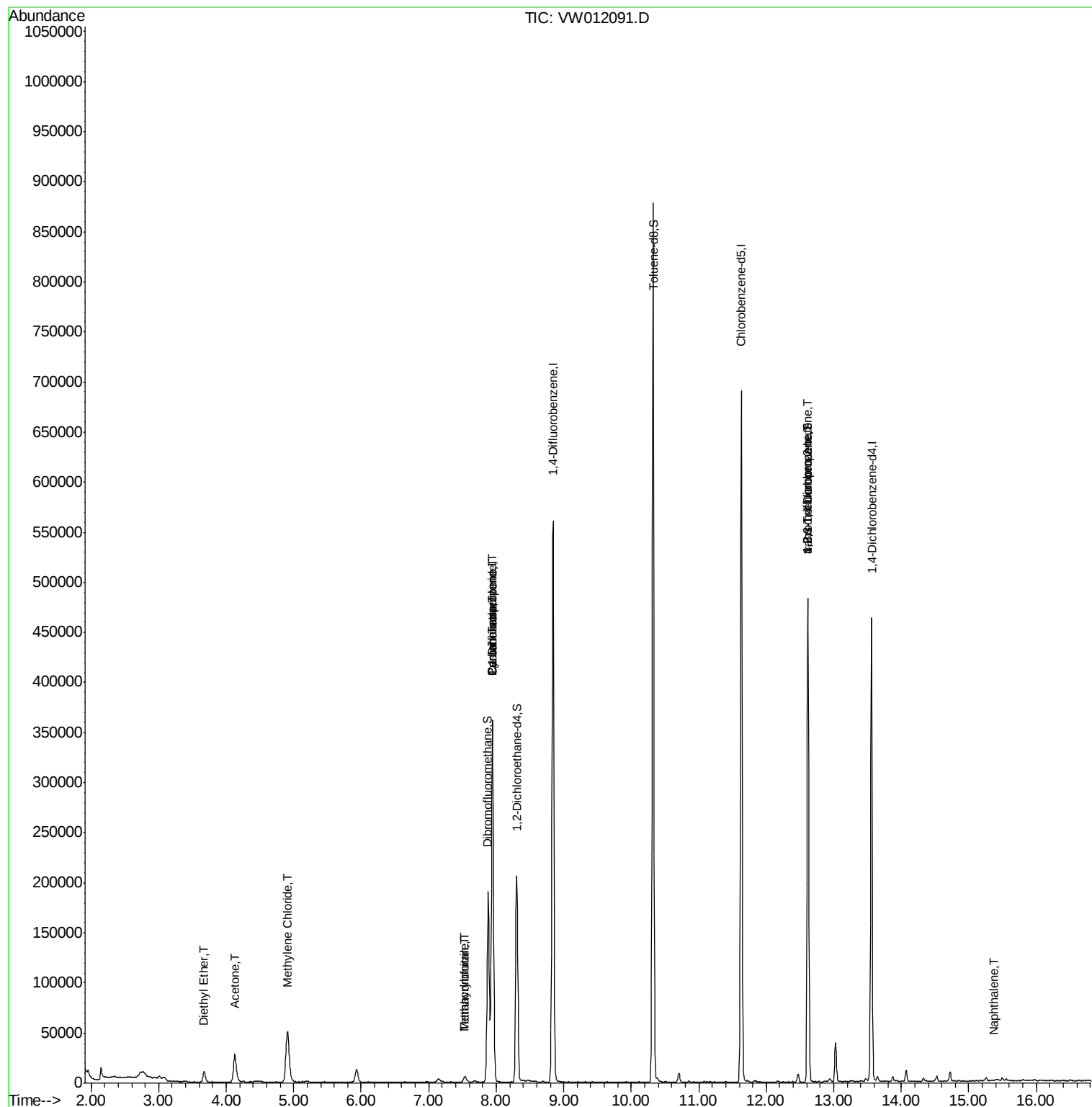
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	5184	3.321	ug/l	86
11) Tert butyl alcohol	5.20	59	893	Below Cal	#	80
16) Acetone	4.13	43	55194	57.078	ug/l	98
20) Methylene Chloride	4.91	84	38935	11.675	ug/l	98
29) Tetrahydrofuran	7.53	42	5578	7.712	ug/l #	67
31) Cyclohexane	7.95	56	6930	1.219	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	23216	5.039	ug/l #	51
38) Carbon Tetrachloride	7.95	117	26890	6.817	ug/l #	16
41) Methacrylonitrile	7.53	41	3492	2.204	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	83004	67.397	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83004	155.326	ug/l #	6
95) Naphthalene	15.37	128	380	2.145	ug/l #	69

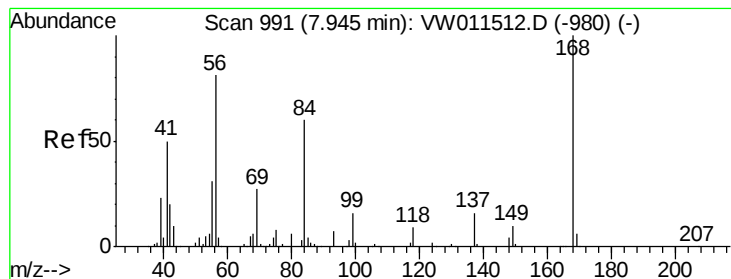
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012091.D

Acq: 22 Aug 2019 00:37

Instrument :

MSVOA_W

ClientSampled :

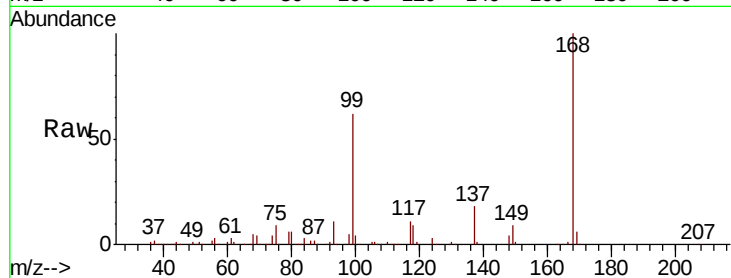
T1-I(0)

Tgt Ion:168 Resp: 264736

Ion Ratio Lower Upper

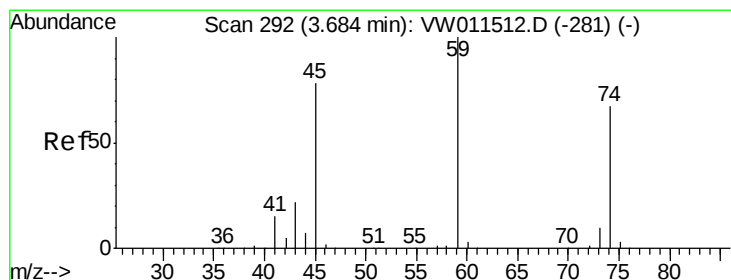
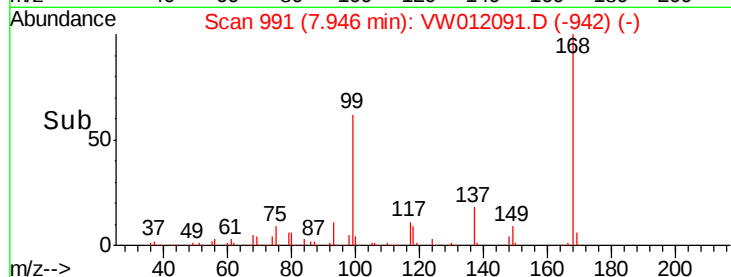
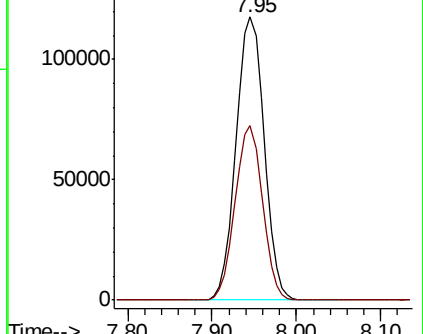
168 100

99 61.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 3.321 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012091.D

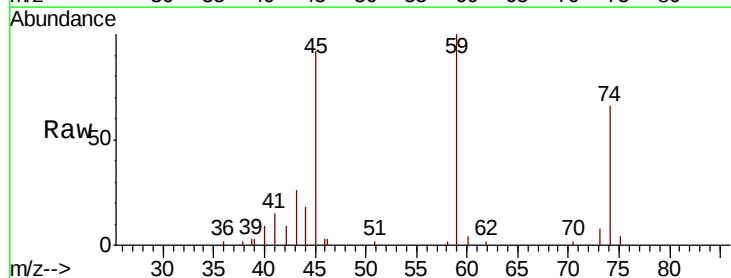
Acq: 22 Aug 2019 00:37

Tgt Ion: 74 Resp: 5184

Ion Ratio Lower Upper

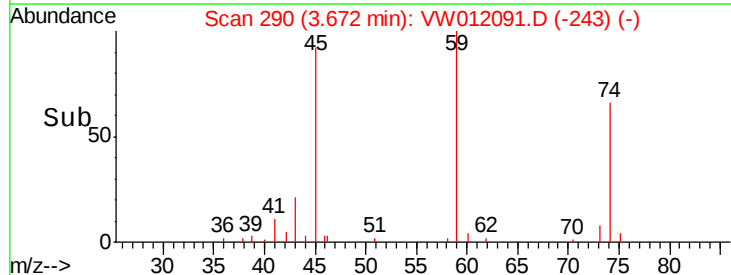
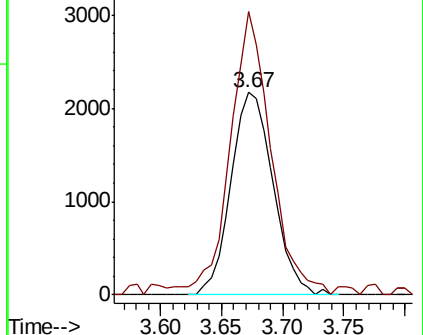
74 100

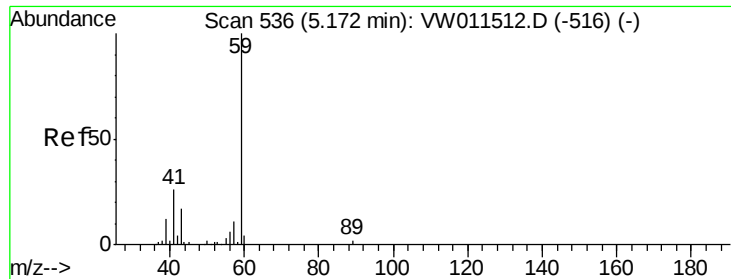
45 135.2 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



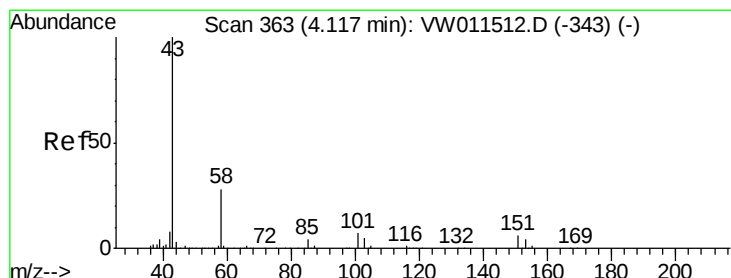
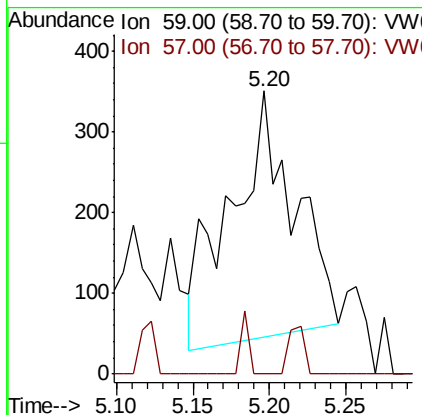
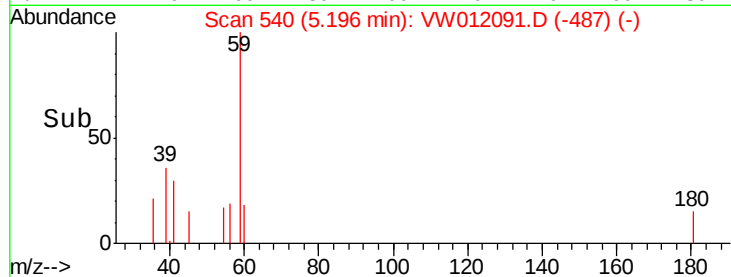
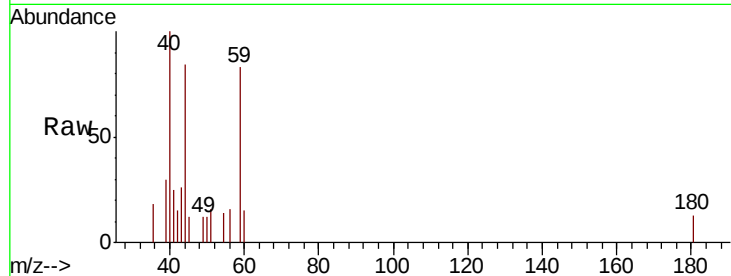


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 540
 Delta R.T. 0.03 min
 Lab File: VW012091.D
 Acq: 22 Aug 2019 00:37

Instrument :
 MSVOA_W
 ClientSampled :
 T1-I(0)

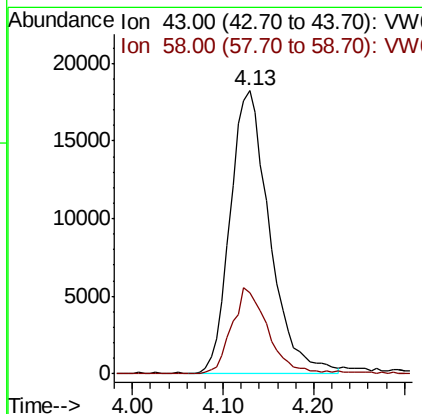
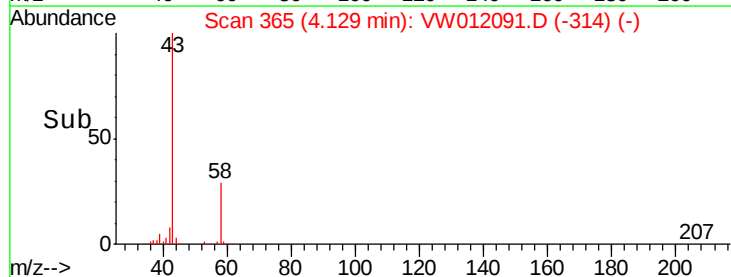
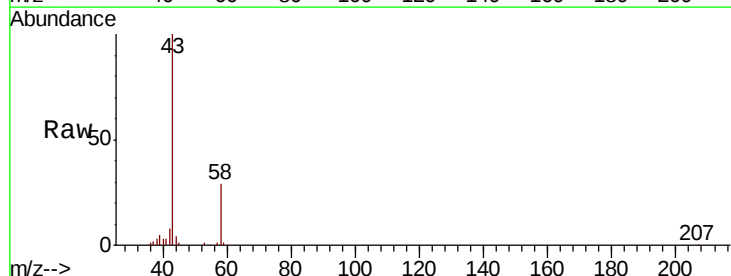
Tgt Ion: 59 Resp: 893
 Ion Ratio Lower Upper
 59 100
 57 3.2 8.5 12.7#

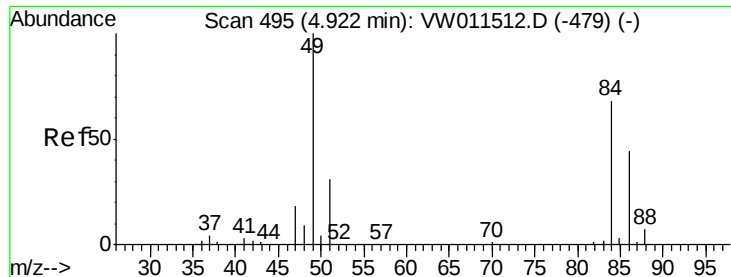


#16

Acetone
 Concen: 57.078 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW012091.D
 Acq: 22 Aug 2019 00:37

Tgt Ion: 43 Resp: 55194
 Ion Ratio Lower Upper
 43 100
 58 28.9 22.3 33.5

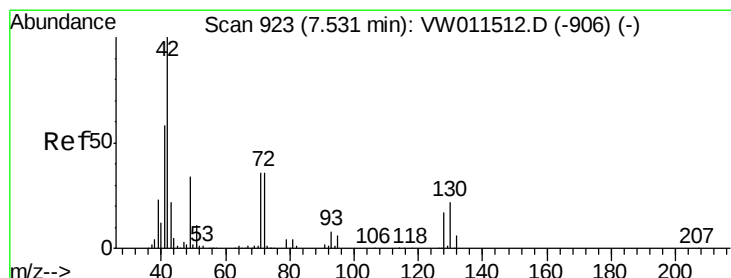
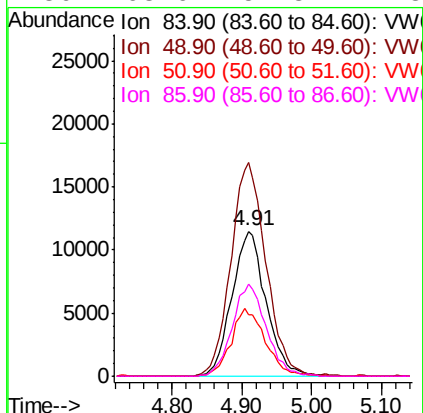
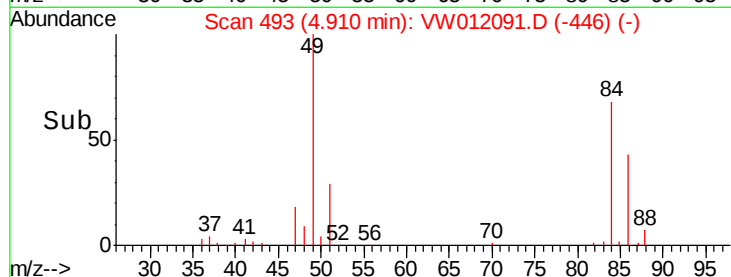
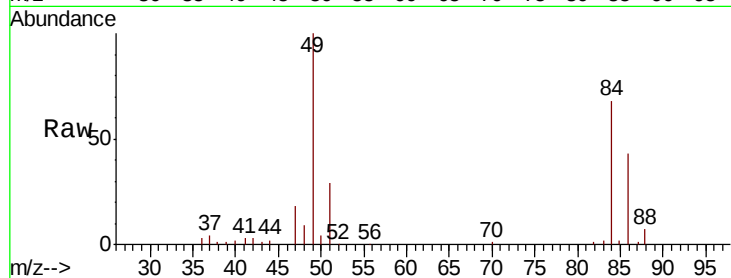




#20
Methylene Chloride
Concen: 11.675 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012091.D
Acq: 22 Aug 2019 00:37

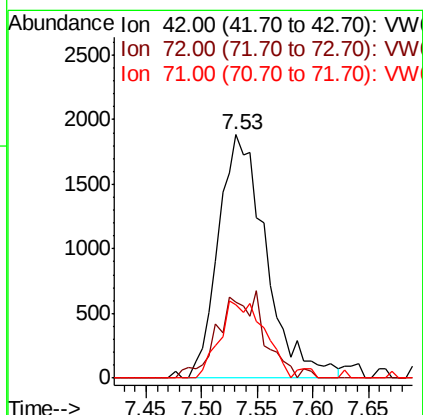
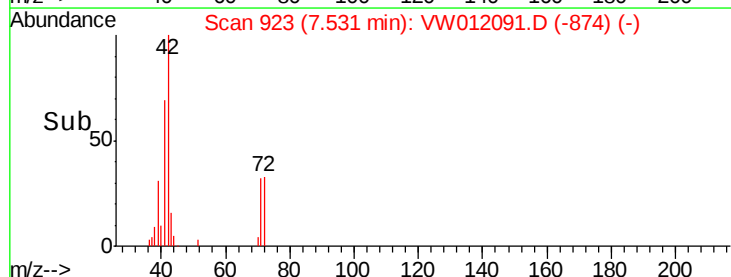
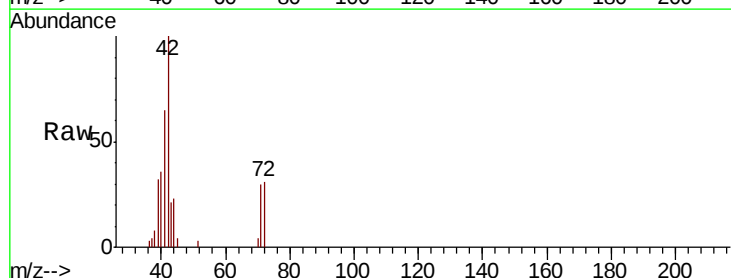
Instrument :
MSVOA_W
ClientSampleId :
T1-I-(0)

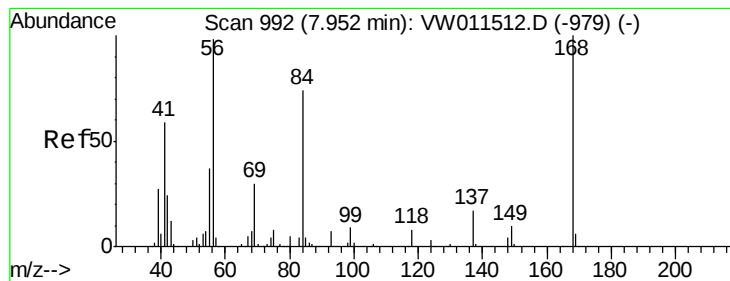
Tgt Ion: 84 Resp: 38935
Ion Ratio Lower Upper
84 100
49 147.6 117.8 176.6
51 42.1 37.0 55.4
86 63.6 51.8 77.8



#29
Tetrahydrofuran
Concen: 7.712 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012091.D
Acq: 22 Aug 2019 00:37

Tgt Ion: 42 Resp: 5578
Ion Ratio Lower Upper
42 100
72 0.0 27.1 40.7#
71 29.7 26.2 39.4





#31

Cyclohexane

Concen: 1.219 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012091.D

Acq: 22 Aug 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

T1-I(0)

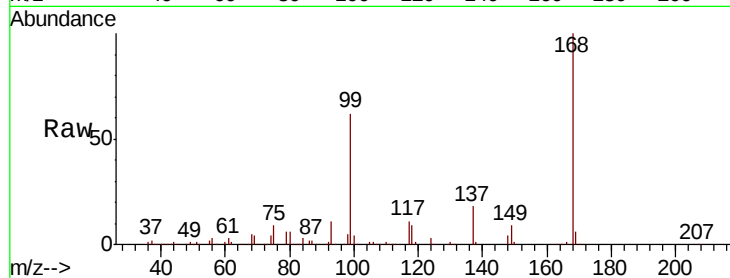
Tgt Ion: 56 Resp: 6930

Ion Ratio Lower Upper

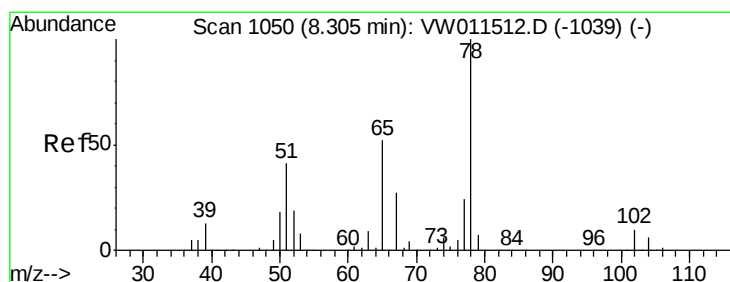
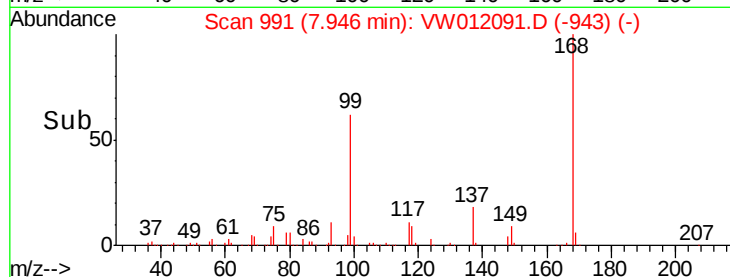
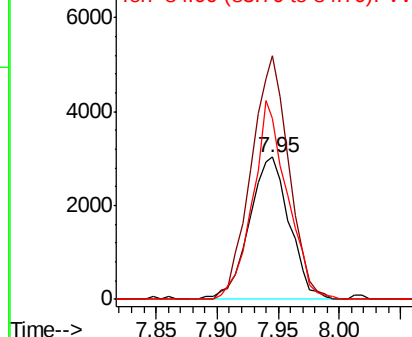
56 100

69 171.4 24.3 36.5#

84 127.3 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: 55.034 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012091.D

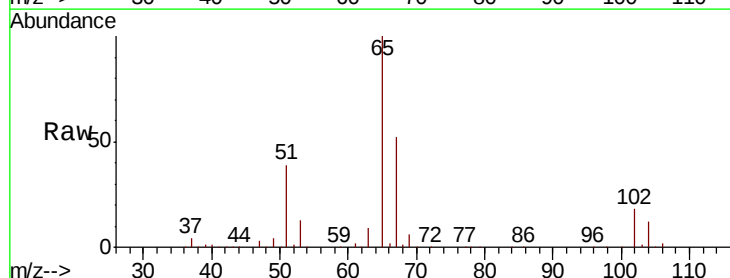
Acq: 22 Aug 2019 00:37

Tgt Ion: 65 Resp: 167299

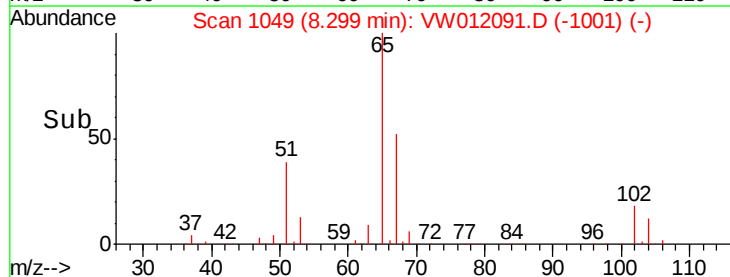
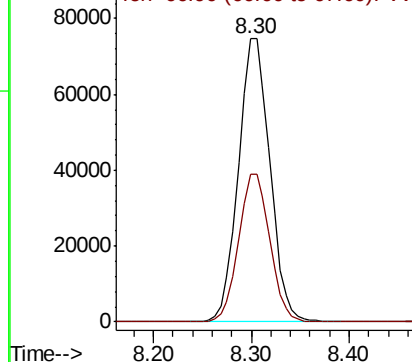
Ion Ratio Lower Upper

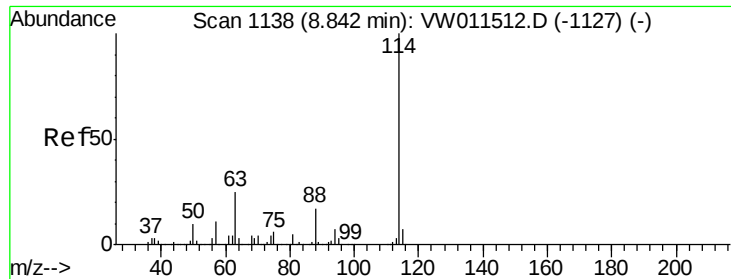
65 100

67 51.8 0.0 105.2



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

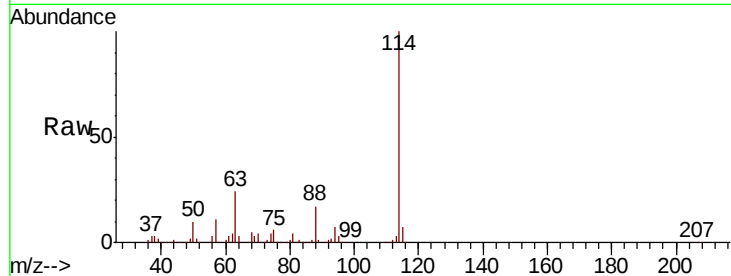




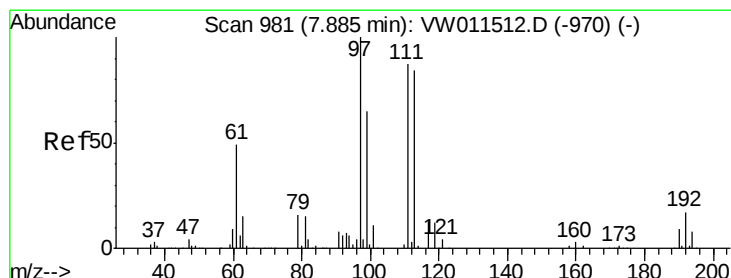
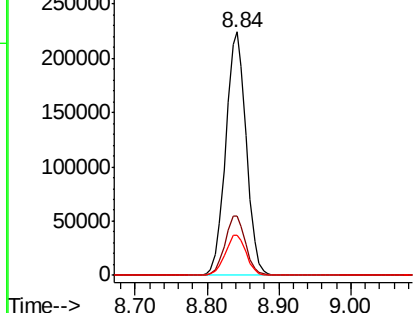
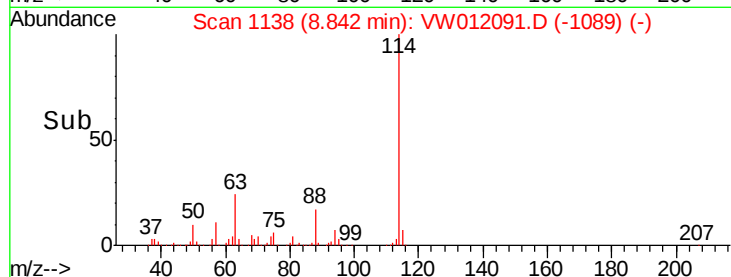
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012091.D
 Acq: 22 Aug 2019 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-I-(0)

Tgt Ion:114 Resp: 443103
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.6 0.0 33.8

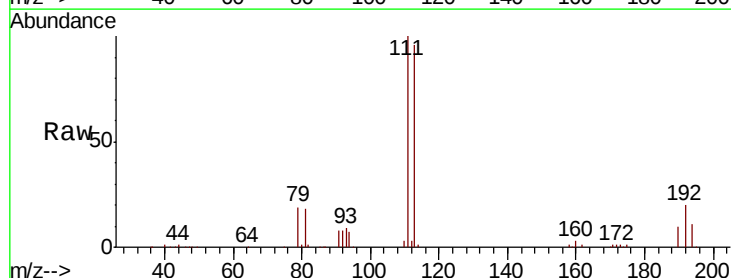


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

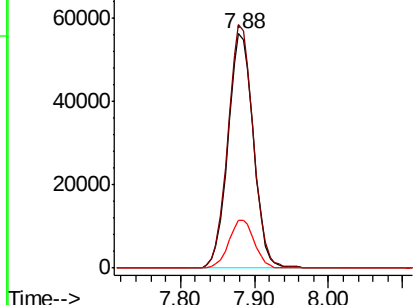
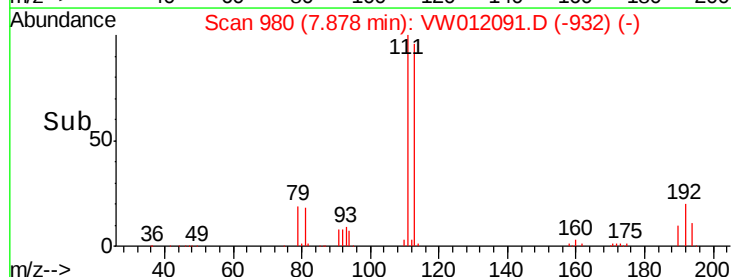


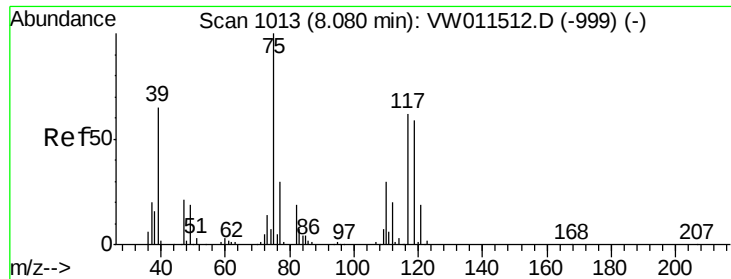
#35
 Dibromofluoromethane
 Concen: 54.023 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012091.D
 Acq: 22 Aug 2019 00:37

Tgt Ion:113 Resp: 134294
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.7 124.1
 192 20.5 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

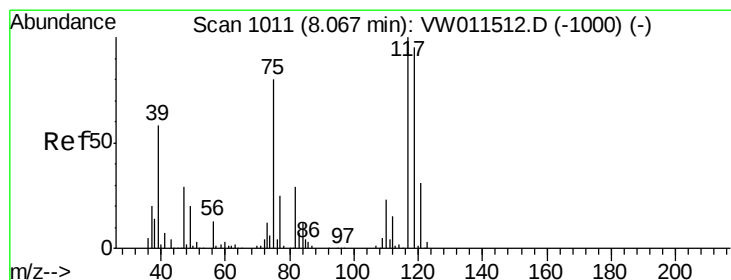
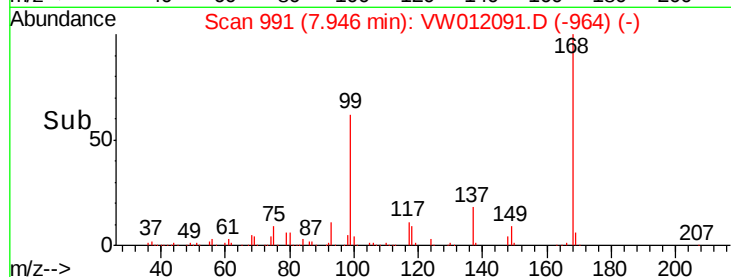
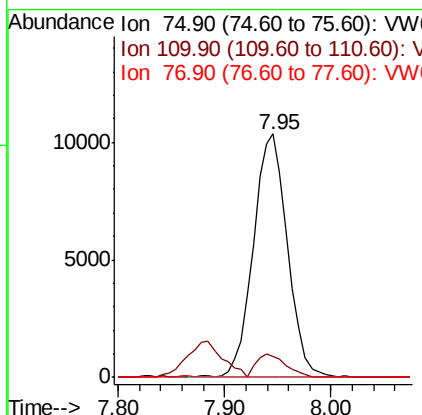
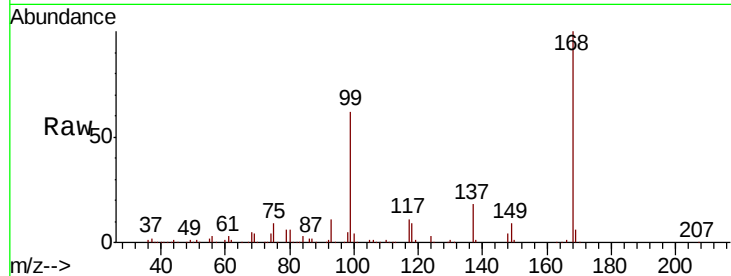




#36
 1,1-Dichloropropene
 Concen: 5.039 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012091.D
 Acq: 22 Aug 2019 00:37

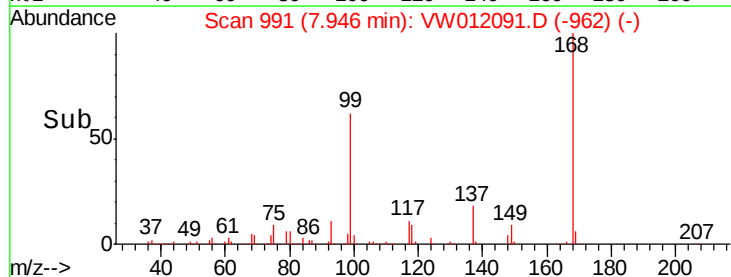
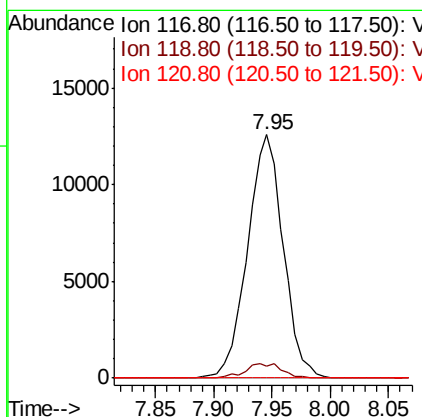
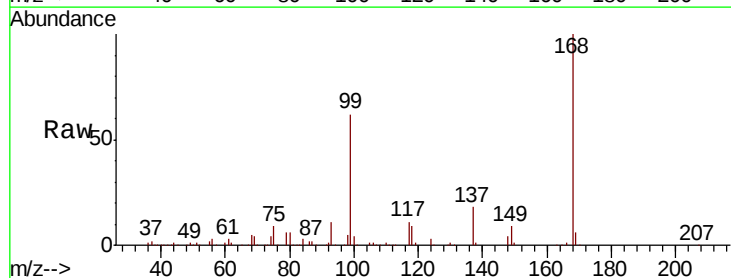
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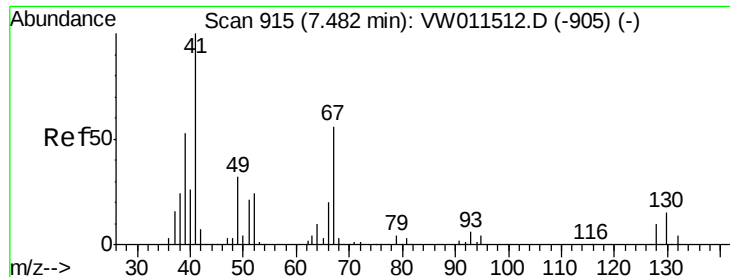
Tgt Ion: 75 Resp: 23216
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.817 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012091.D
 Acq: 22 Aug 2019 00:37

Tgt Ion: 117 Resp: 26890
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.8 113.6#
 121 0.0 24.7 37.1#

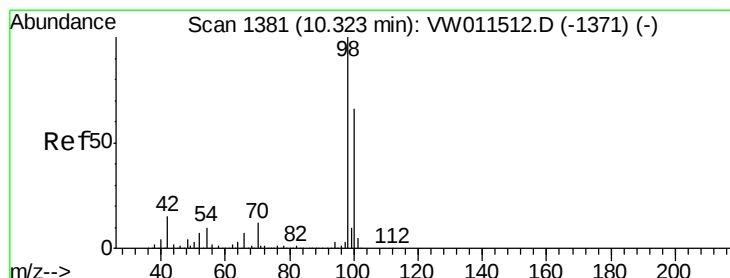
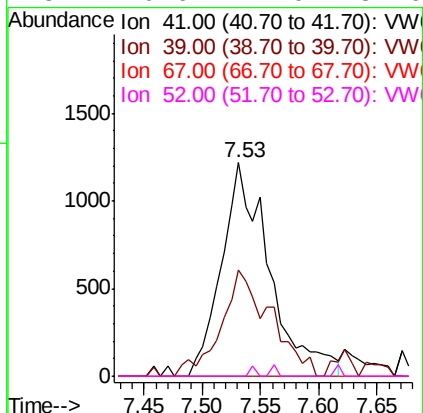
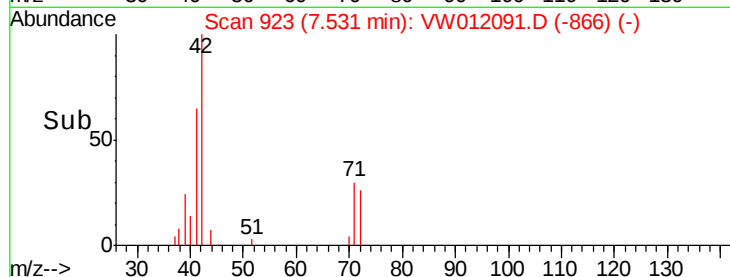
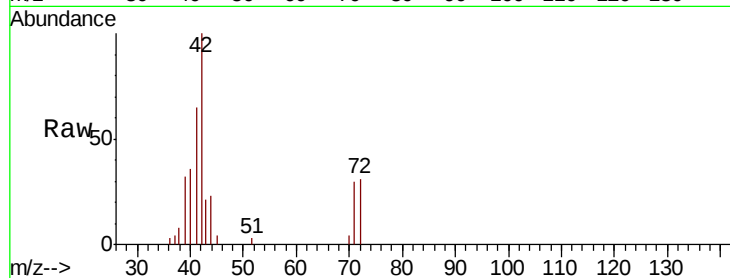




#41
Methacrylonitrile
Concen: 2.204 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012091.D
Acq: 22 Aug 2019 00:37

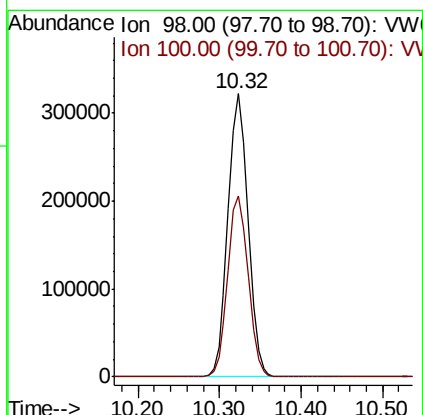
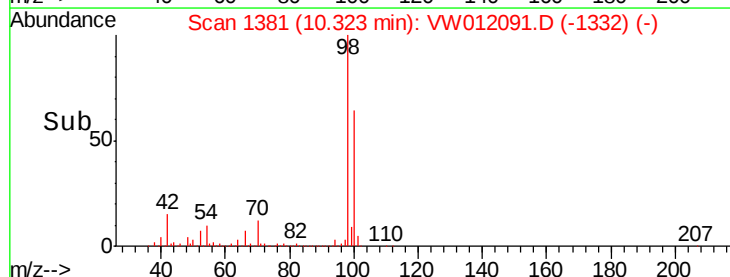
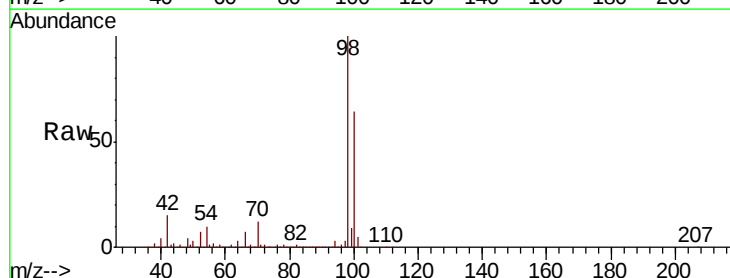
Instrument :
MSVOA_W
ClientSampleId :
T1-I(0)

Tgt Ion:	41	Resp:	3492
Ion	Ratio	Lower	Upper
41	100		
39	51.4	43.0	64.4
67	0.0	47.5	71.3#
52	0.6	21.0	31.6#



#50
Toluene-d8
Concen: 53.845 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012091.D
Acq: 22 Aug 2019 00:37

Tgt Ion:	98	Resp:	548028
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.7	79.1

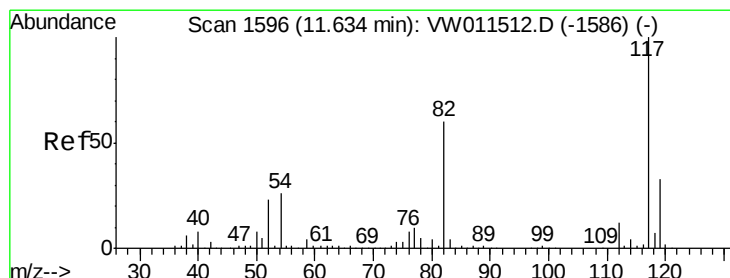
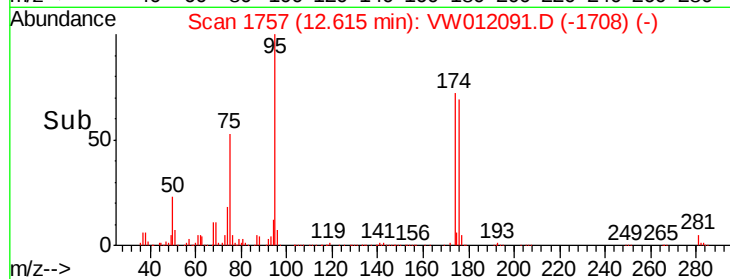
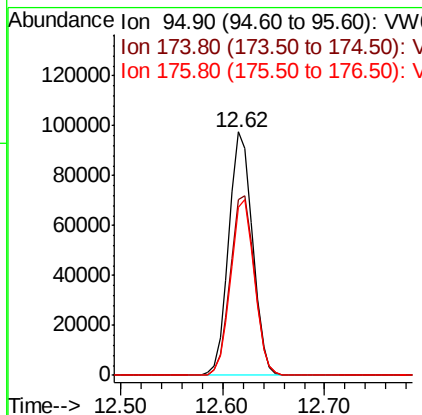
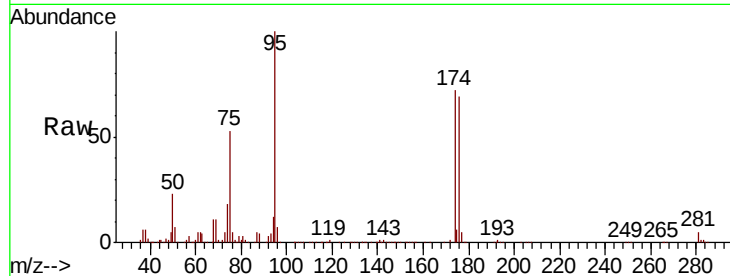




#62
4-Bromofluorobenzene
Concen: 43.223 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012091.D
Acq: 22 Aug 2019 00:37

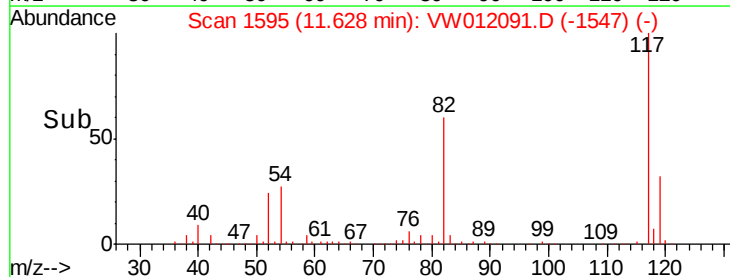
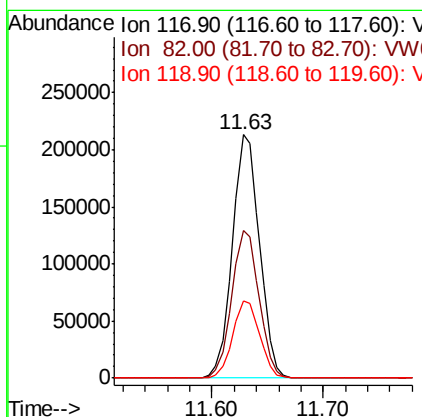
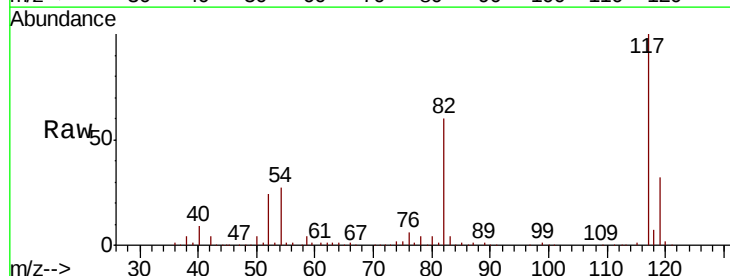
Instrument :
MSVOA_W
ClientSampleId :
T1-I-(0)

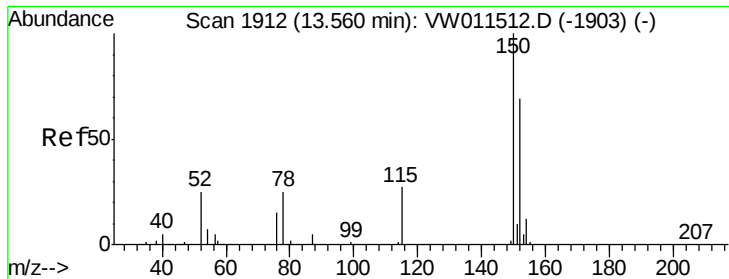
Tgt Ion: 95 Resp: 156839
Ion Ratio Lower Upper
95 100
174 75.2 0.0 150.2
176 71.8 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012091.D
Acq: 22 Aug 2019 00:37

Tgt Ion: 117 Resp: 358226
Ion Ratio Lower Upper
117 100
82 60.4 47.9 71.9
119 31.8 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012091.D

Acq: 22 Aug 2019 00:37

Instrument :

MSVOA_W

ClientSampled :

T1-I(0)

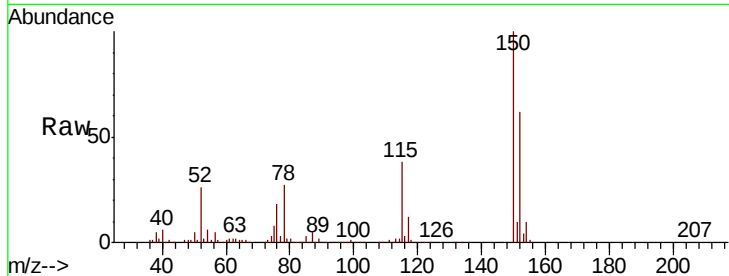
Tgt Ion:152 Resp: 116393

Ion Ratio Lower Upper

152 100

115 60.5 30.5 91.5

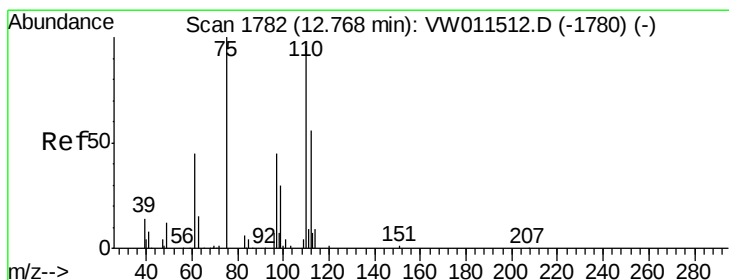
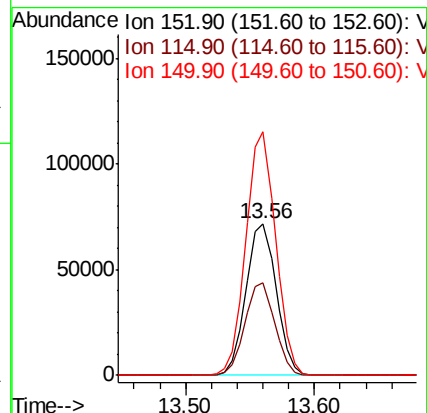
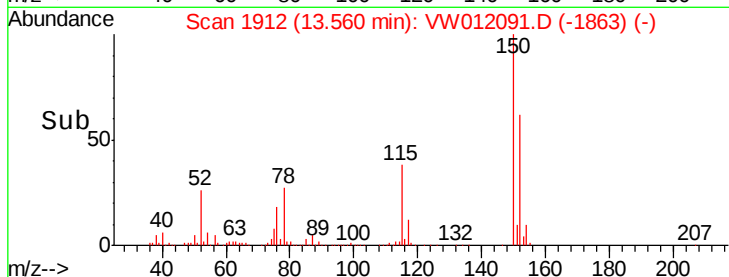
150 158.1 0.0 352.6



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: 67.397 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012091.D

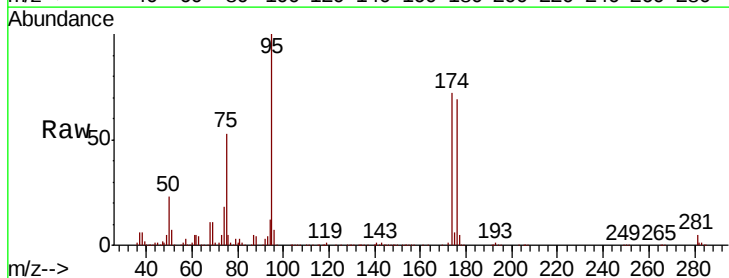
Acq: 22 Aug 2019 00:37

Tgt Ion: 75 Resp: 83004

Ion Ratio Lower Upper

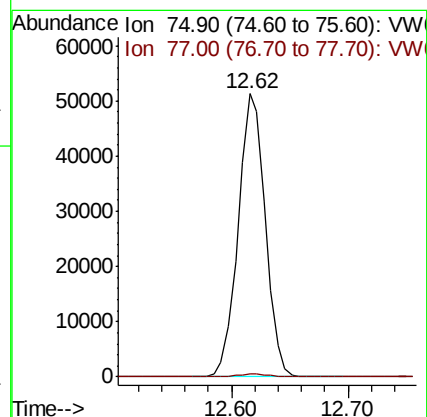
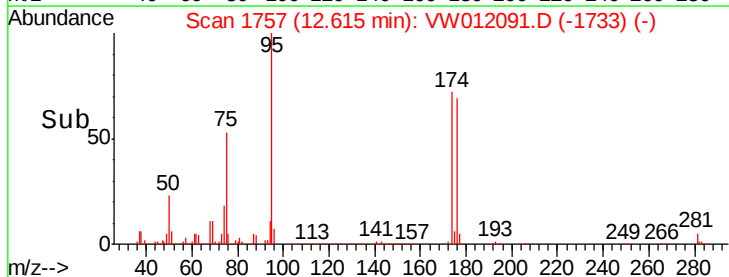
75 100

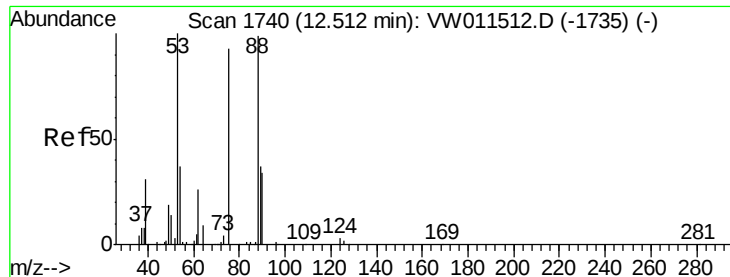
77 1.3 0.0 0.0#



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: 155.326 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012091.D

Acq: 22 Aug 2019 00:37

Instrument :

MSVOA_W

ClientSampled :

T1-I(0)

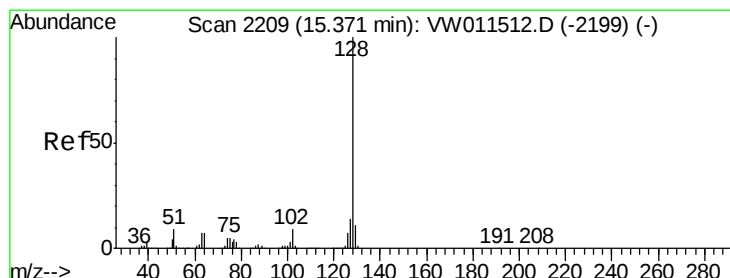
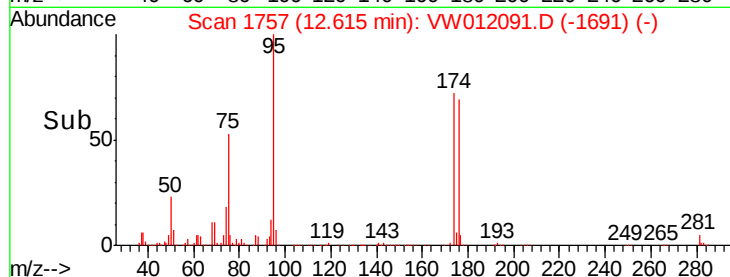
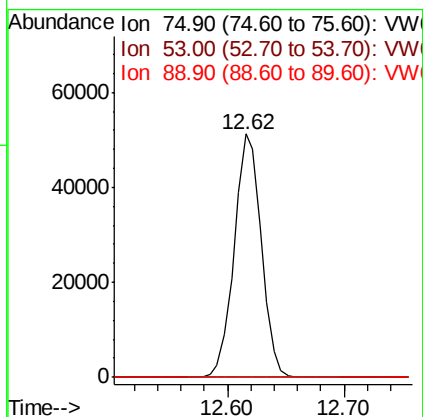
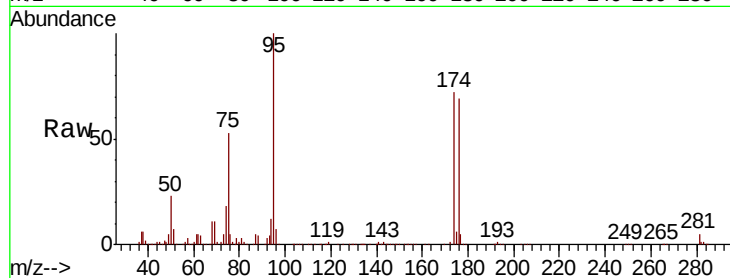
Tgt Ion: 75 Resp: 83004

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.145 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW012091.D

Acq: 22 Aug 2019 00:37

Tgt Ion: 128 Resp: 380

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

