

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011334.D
 Acq On : 18 Jul 2019 15:23
 Operator : SY/VA
 Sample : K3783-01
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC011-SD-190711

Quant Time: Jul 19 06:44:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	180804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	307912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	114506	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	126233	55.56	ug/l	0.00
Spiked Amount			Recovery	=	111.12%	
35) Dibromofluoromethane	7.88	113	96177	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
50) Toluene-d8	10.32	98	380840	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.62	95	127559	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	

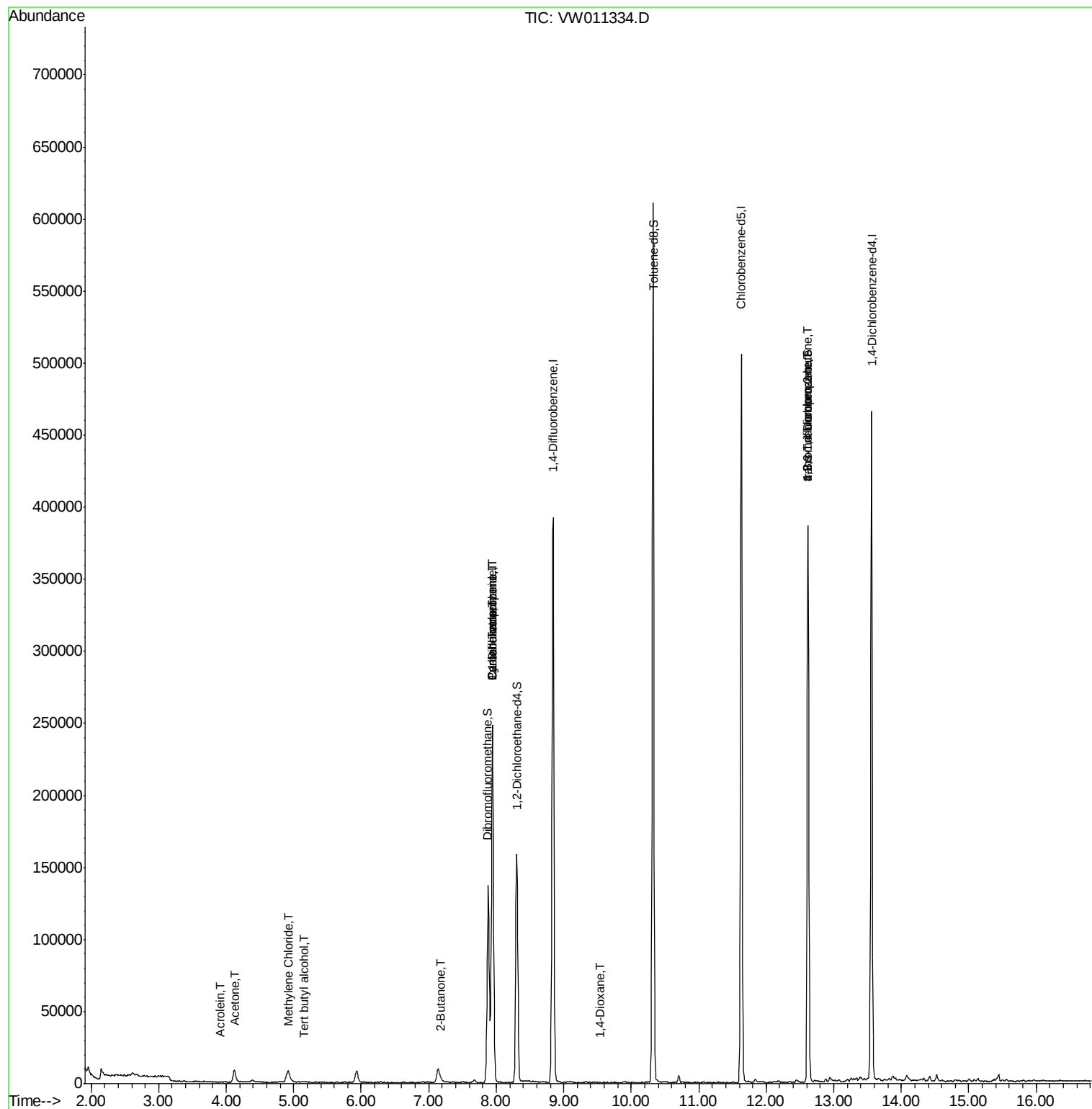
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	404	2.402	ug/l #	70
13) Acrolein	3.92	56	187	1.396	ug/l #	62
16) Acetone	4.12	43	16469	30.128	ug/l	97
18) Methyl Acetate	4.68	43	321	Below Cal	#	57
20) Methylene Chloride	4.92	84	6317	2.929	ug/l	90
25) 2-Butanone	7.18	43	4615	5.378	ug/l	97
31) Cyclohexane	7.95	56	4703	1.069	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15420	4.703	ug/l #	51
38) Carbon Tetrachloride	7.95	117	17920	6.447	ug/l #	16
49) 1,4-Dioxane	9.54	88	29	1.507	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	68539	51.795	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68539	117.151	ug/l #	6

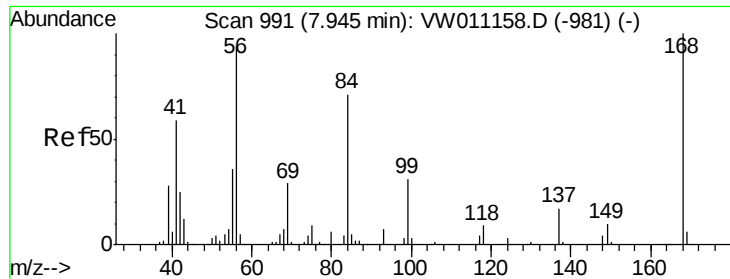
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011334.D

Acq: 18 Jul 2019 15:23

Instrument :

MSVOA_W

ClientSampleId :

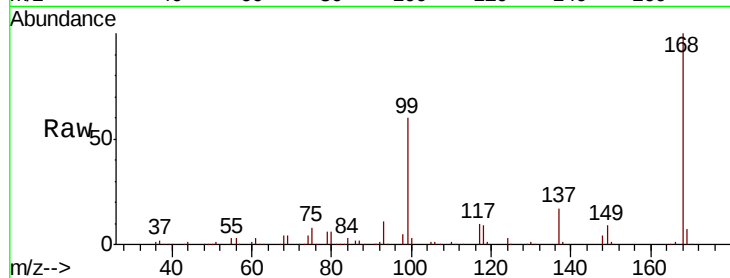
KY030LC011-SD-190711

Tot Ion:168 Resp: 180804

Ion Ratio Lower Upper

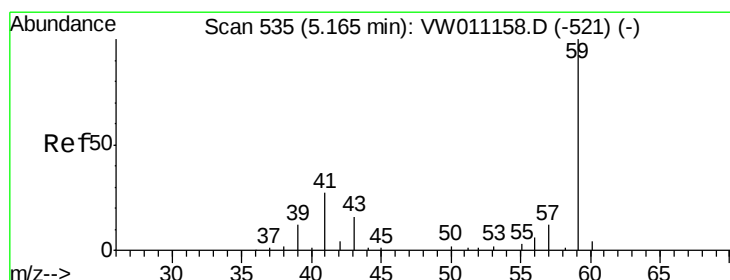
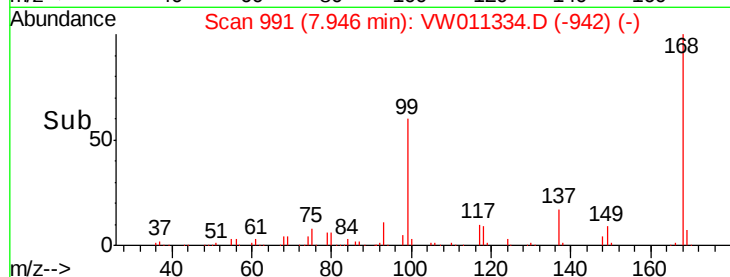
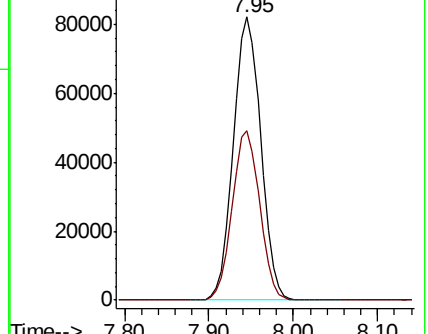
168 100

99 59.9 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.402 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW011334.D

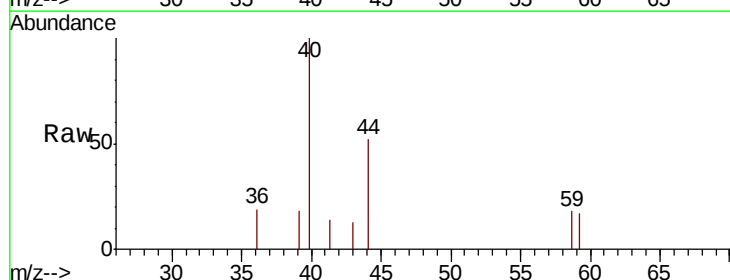
Acq: 18 Jul 2019 15:23

Tgt Ion: 59 Resp: 404

Ion Ratio Lower Upper

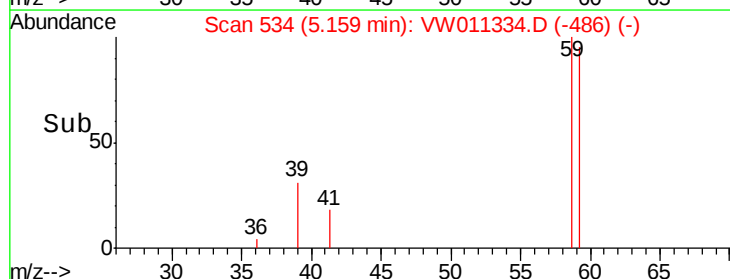
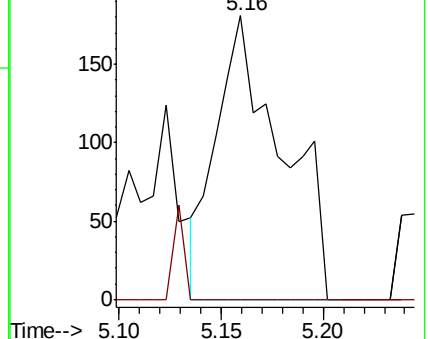
59 100

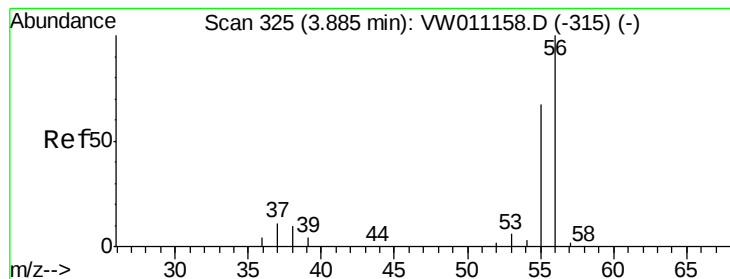
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.396 ug/l

RT: 3.92 min Scan# 330

Delta R.T. 0.03 min

Lab File: VW011334.D

Acq: 18 Jul 2019 15:23

Instrument :

MSVOA_W

ClientSampleId :

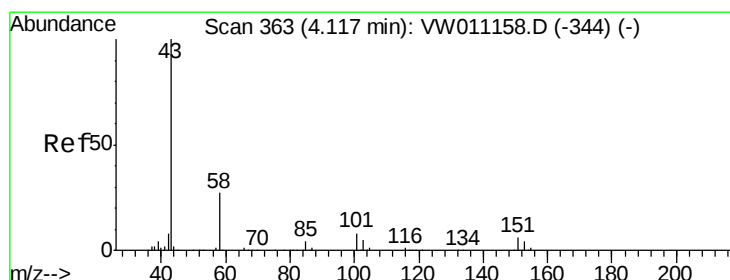
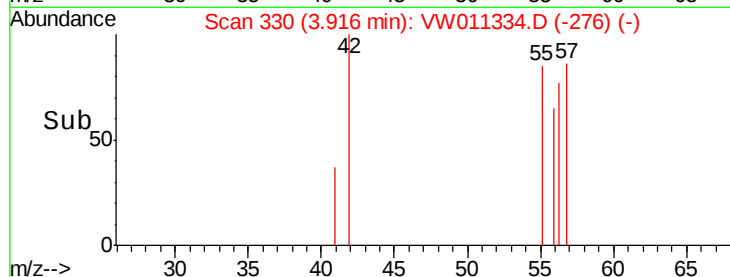
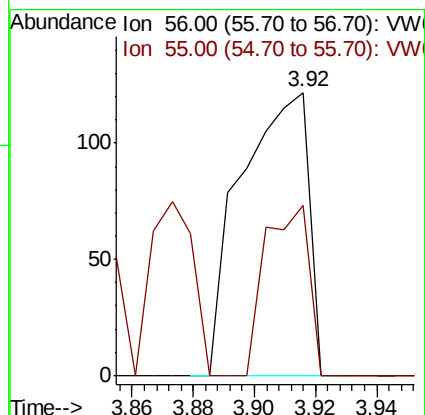
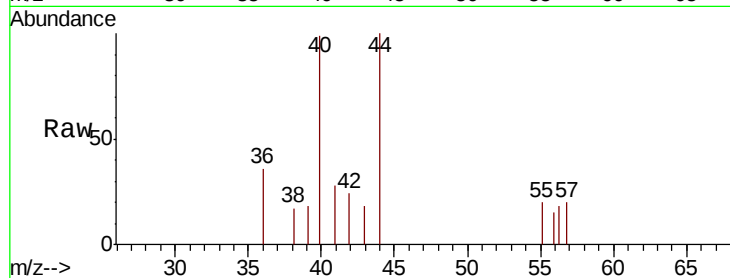
KY030LC011-SD-190711

Tot Ion: 56 Resp: 187

Ion Ratio Lower Upper

56 100

55 39.0 56.4 84.6#



#16

Acetone

Concen: 30.128 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011334.D

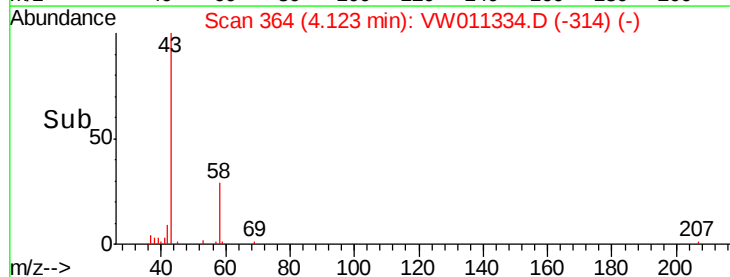
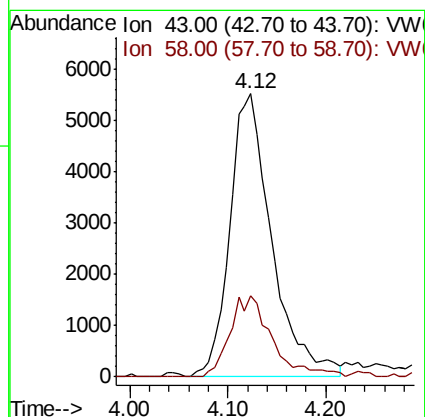
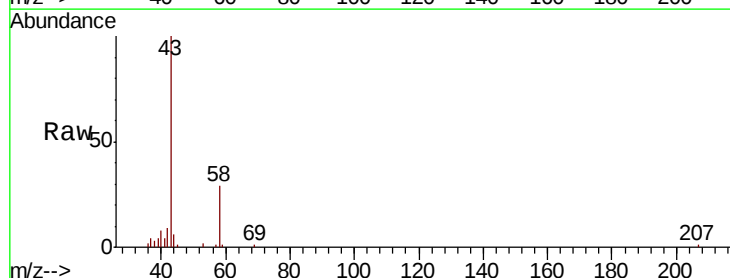
Acq: 18 Jul 2019 15:23

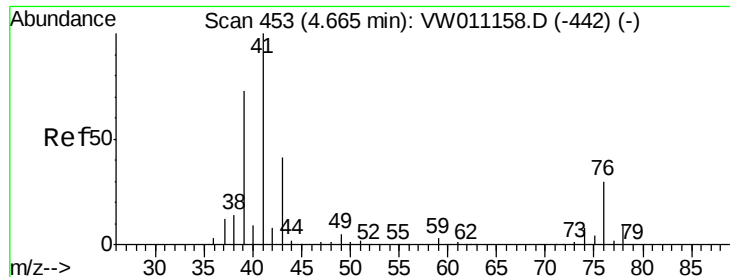
Tgt Ion: 43 Resp: 16469

Ion Ratio Lower Upper

43 100

58 28.8 21.8 32.6

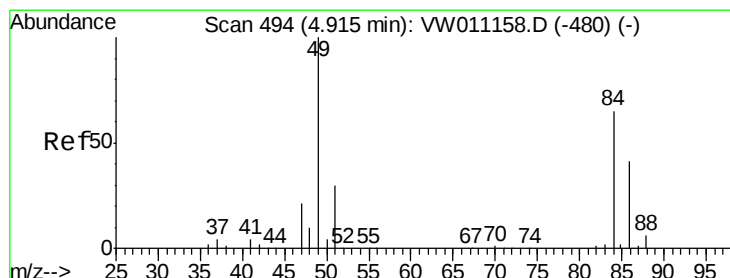
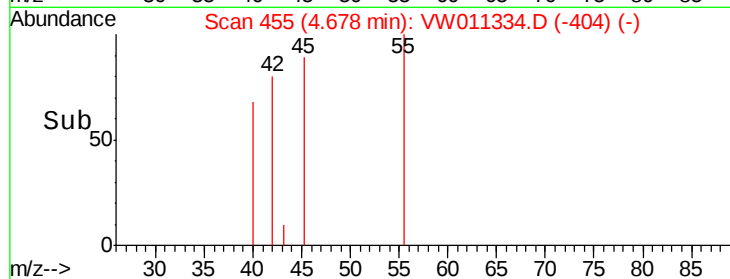
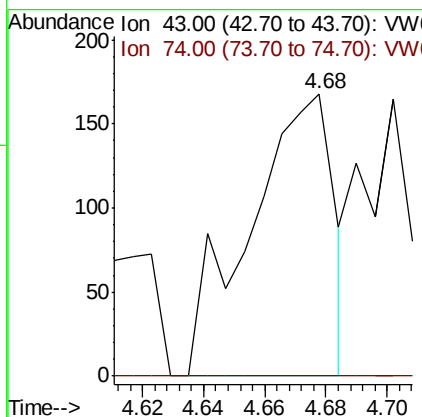
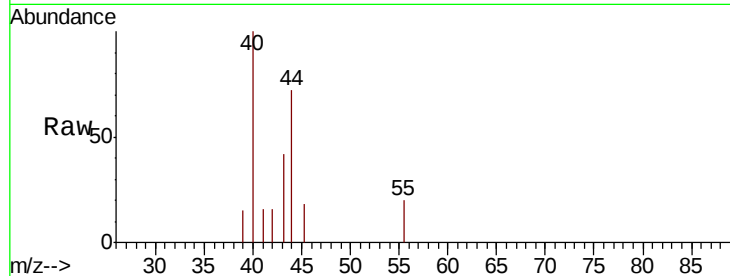




#18
Methyl Acetate
Concen: Below Cal
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW011334.D
Acq: 18 Jul 2019 15:23

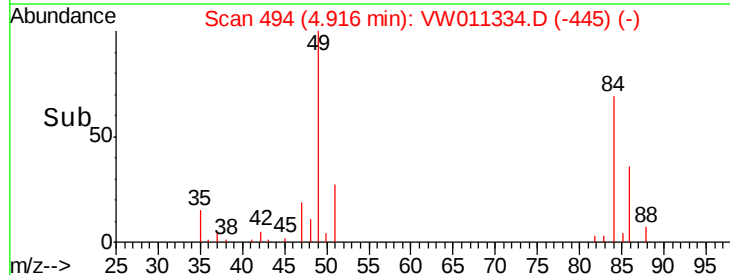
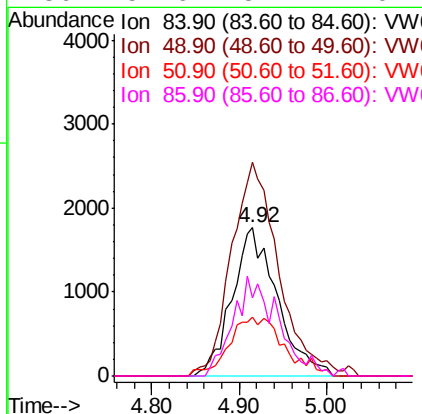
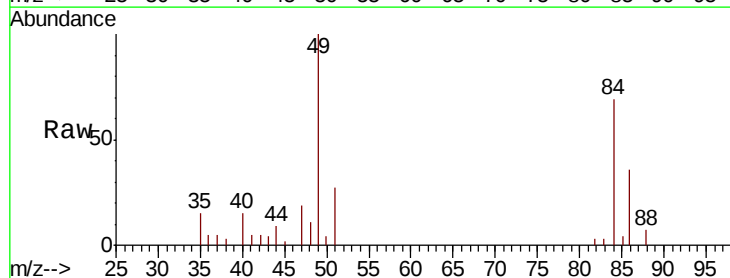
Instrument :
MSVOA_W
ClientSampleId :
KY030LC011-SD-190711

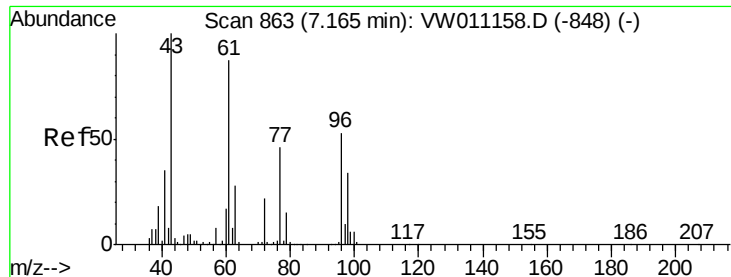
Tot Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#



#20
Methylene Chloride
Concen: 2.929 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011334.D
Acq: 18 Jul 2019 15:23

Tgt Ion: 84 Resp: 6317
Ion Ratio Lower Upper
84 100
49 144.2 123.8 185.6
51 39.6 37.4 56.2
86 52.6 51.1 76.7





#25

2-Butanone

Concen: 5.378 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011334.D

Acq: 18 Jul 2019 15:23

Instrument :

MSVOA_W

ClientSampleId :

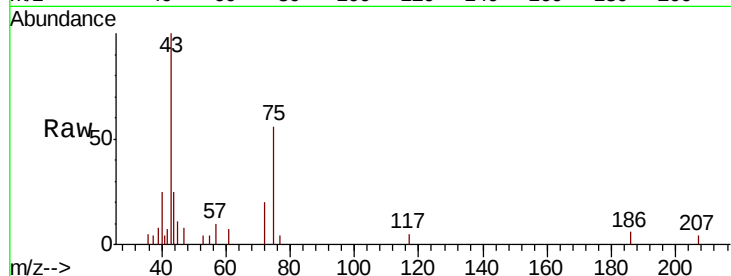
KY030LC011-SD-190711

Tot Ion: 43 Resp: 4615

Ion Ratio Lower Upper

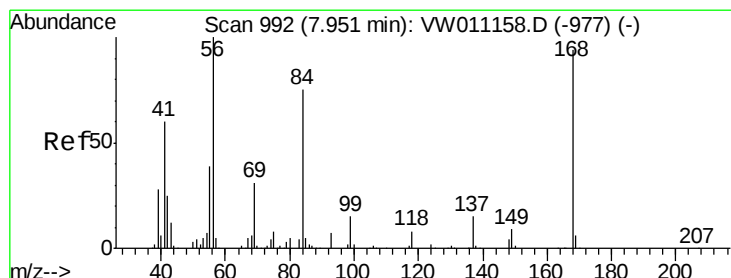
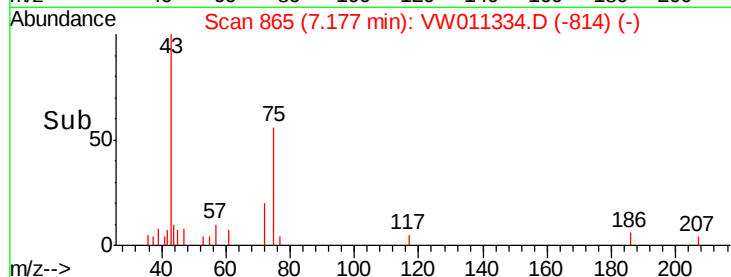
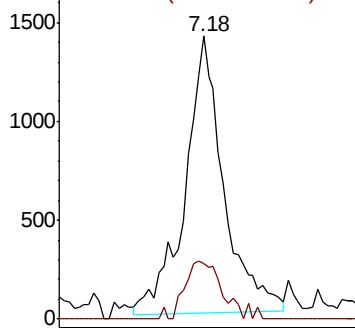
43 100

72 20.5 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.069 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011334.D

Acq: 18 Jul 2019 15:23

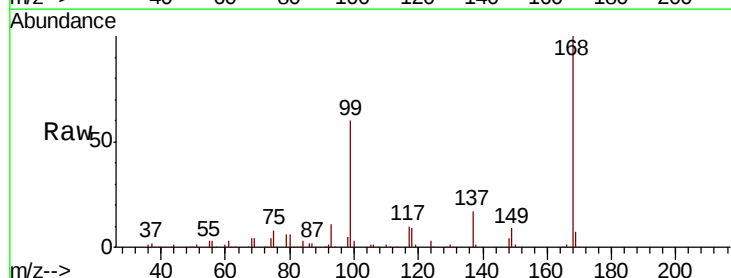
Tgt Ion: 56 Resp: 4703

Ion Ratio Lower Upper

56 100

69 149.5 24.6 36.8#

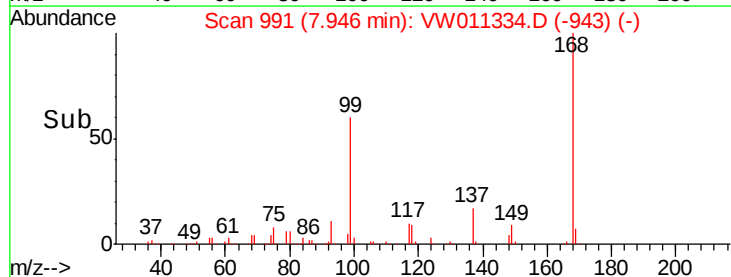
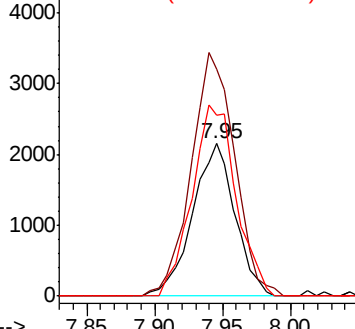
84 118.8 60.1 90.1#

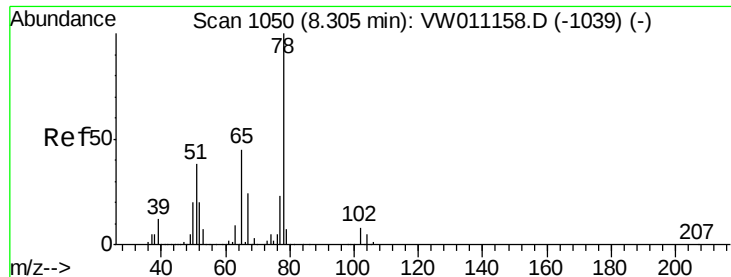


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 55.564 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011334.D

Acq: 18 Jul 2019 15:23

Instrument :

MSVOA_W

ClientSampleId :

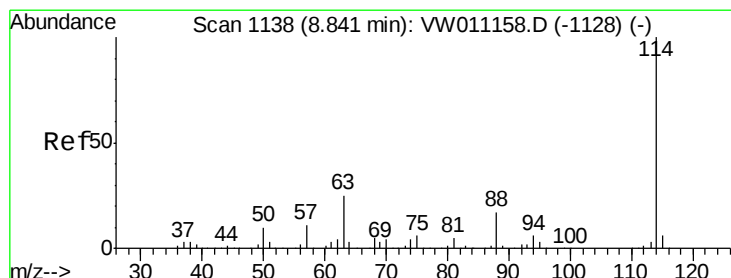
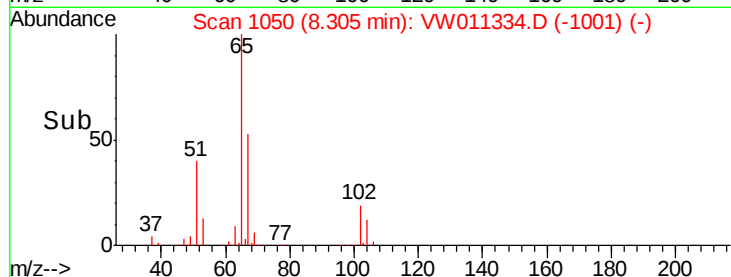
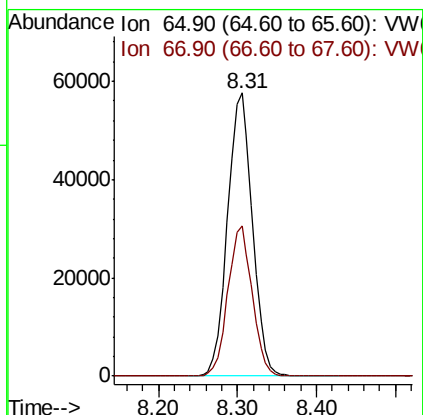
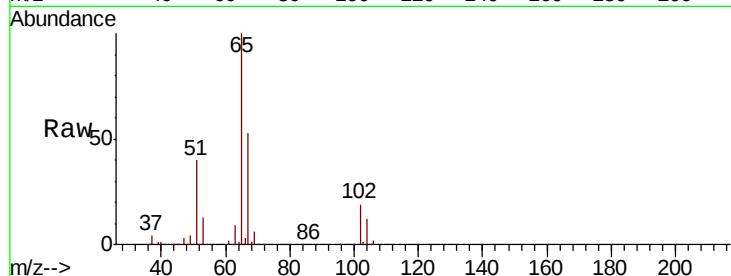
KY030LC011-SD-190711

Tot Ion: 65 Resp: 126233

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011334.D

Acq: 18 Jul 2019 15:23

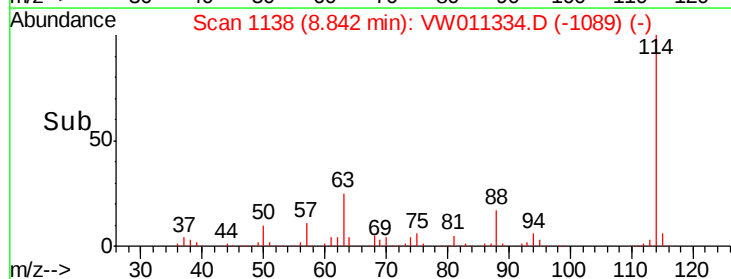
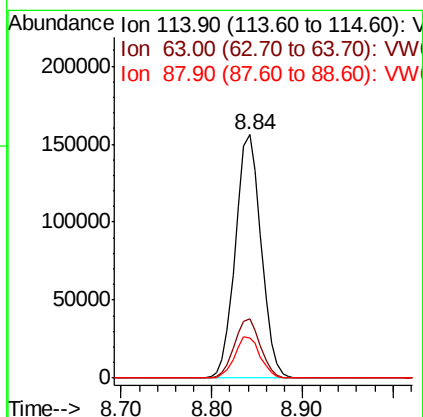
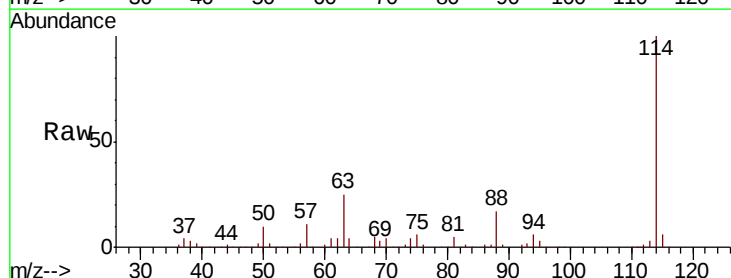
Tgt Ion: 114 Resp: 307912

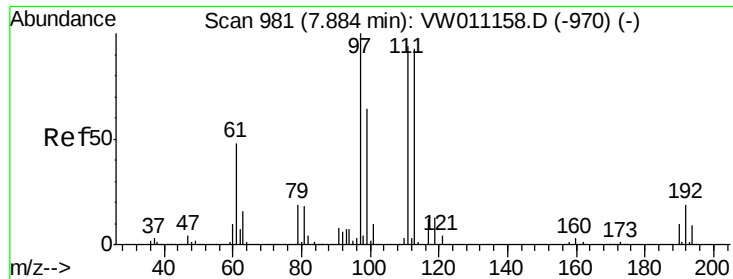
Ion Ratio Lower Upper

114 100

63 24.6 0.0 50.8

88 16.5 0.0 34.2

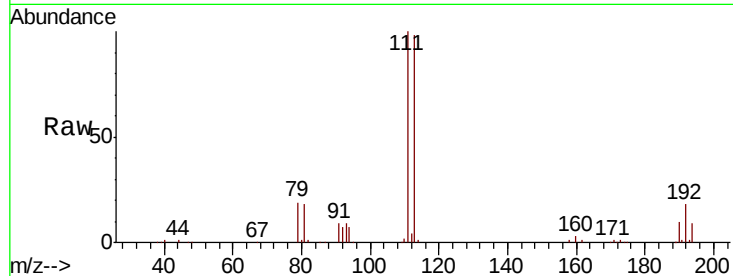




#35
 Dibromofluoromethane
 Concen: 52.404 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011334.D
 Acq: 18 Jul 2019 15:23

Instrument :
 MSVOA_W
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 KY030LC011-SD-190711

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.4	123.6
192	20.1	15.8	23.8

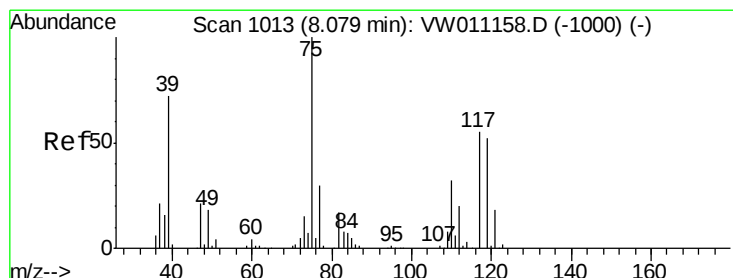
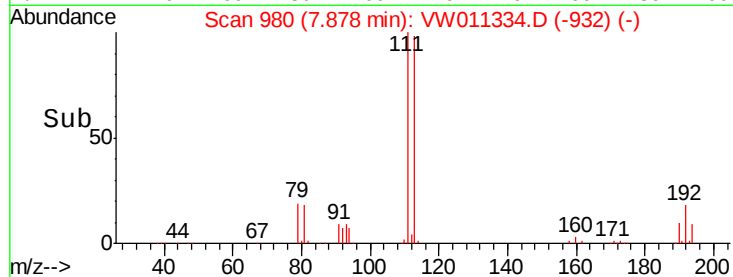
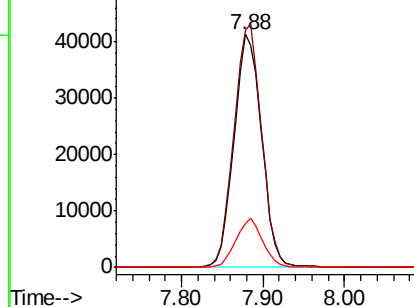


Abundance

Ion 112.80 (112.50 to 113.50): V

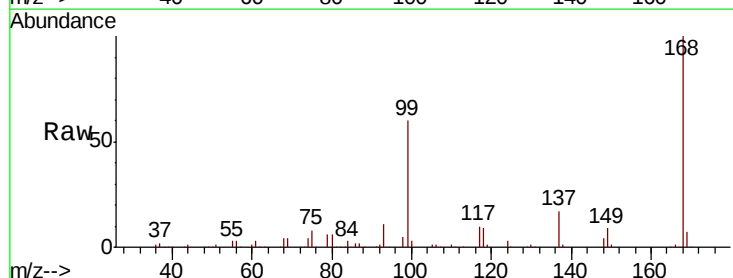
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.703 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011334.D
 Acq: 18 Jul 2019 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.9	47.6#
77	0.0	24.6	36.8#

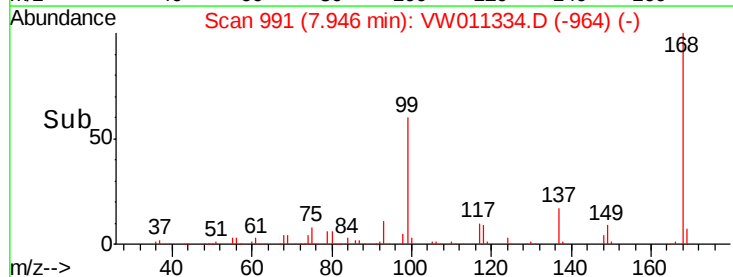
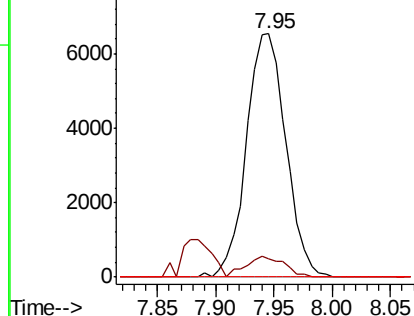


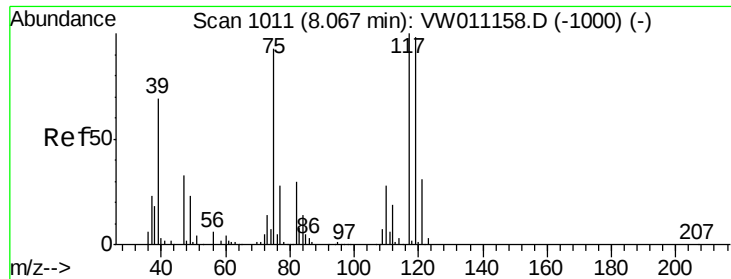
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

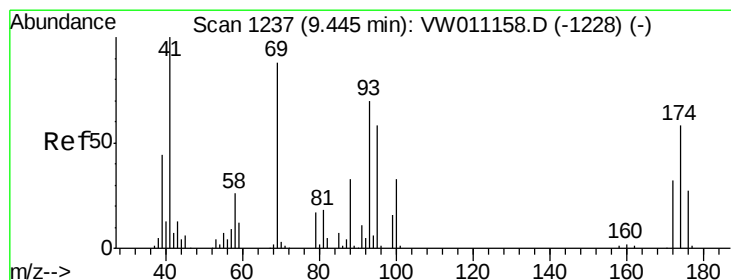
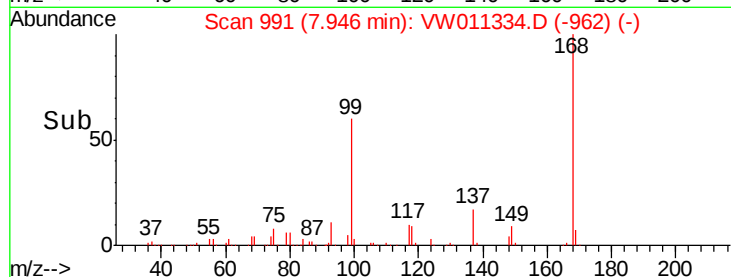
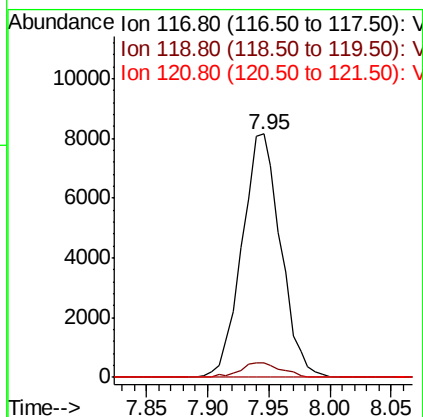
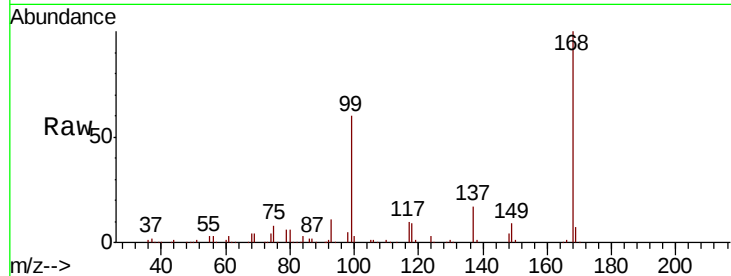




#38
Carbon Tetrachloride
Concen: 6.447 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011334.D
Acq: 18 Jul 2019 15:23

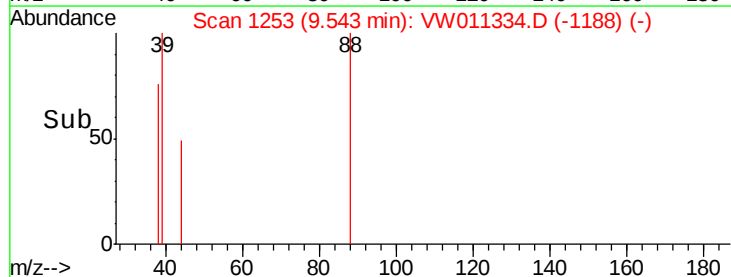
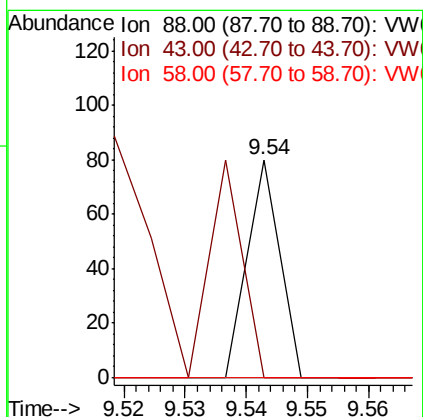
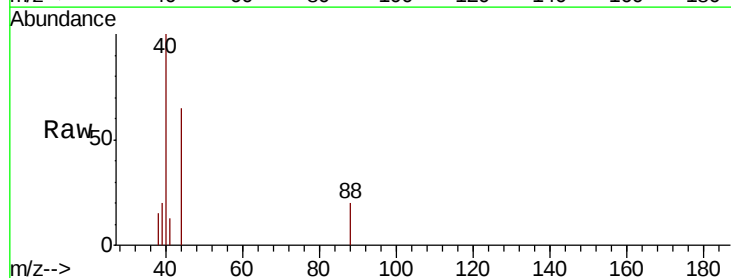
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MSVOA_W
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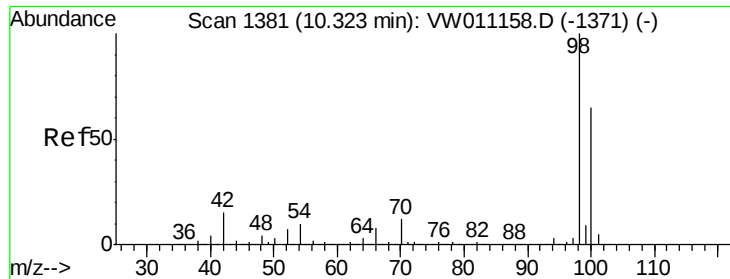
Tot Ion:117 Resp: 17920
Ion Ratio Lower Upper
117 100
119 6.0 78.1 117.1#
121 0.0 25.1 37.7#



#49
1,4-Dioxane
Concen: 1.507 ug/l
RT: 9.54 min Scan# 1253
Delta R.T. 0.10 min
Lab File: VW011334.D
Acq: 18 Jul 2019 15:23

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 0.0 33.4 50.0#
58 0.0 64.5 96.7#





#50

Toluene-d8

Concen: 51.336 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011334.D

Acq: 18 Jul 2019 15:23

Instrument :

MSVOA_W

ClientSampleId :

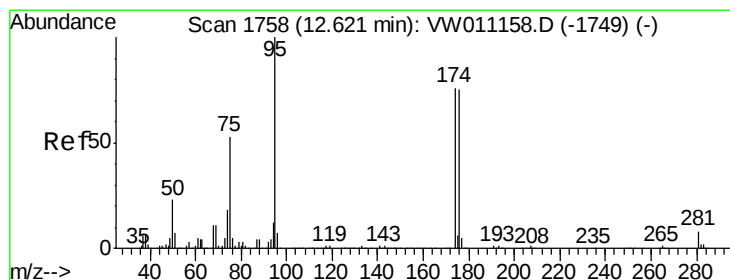
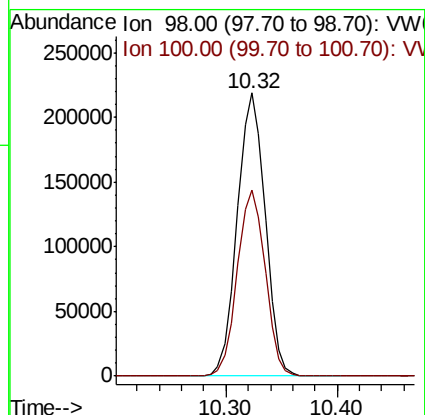
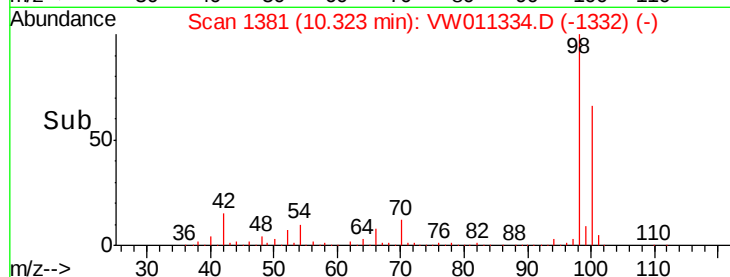
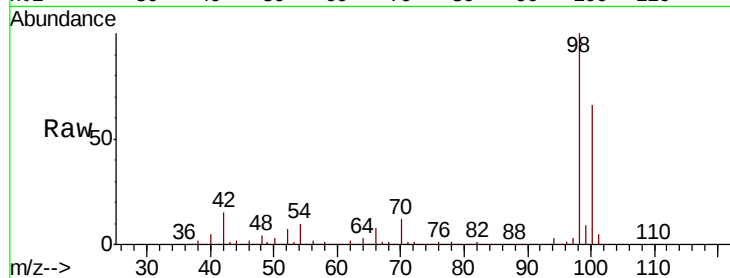
KY030LC011-SD-190711

Tot Ion: 98 Resp: 380840

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.911 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011334.D

Acq: 18 Jul 2019 15:23

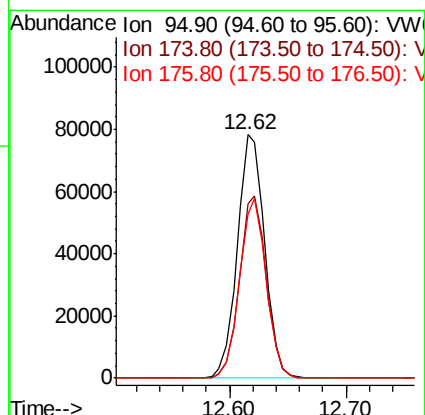
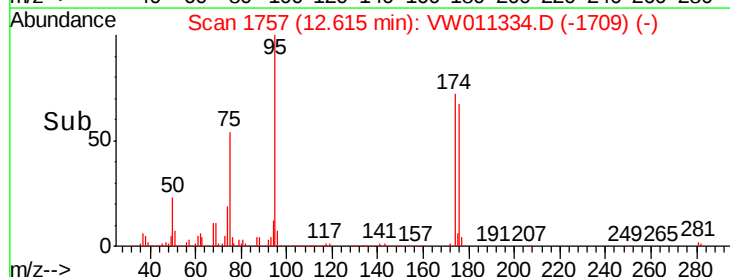
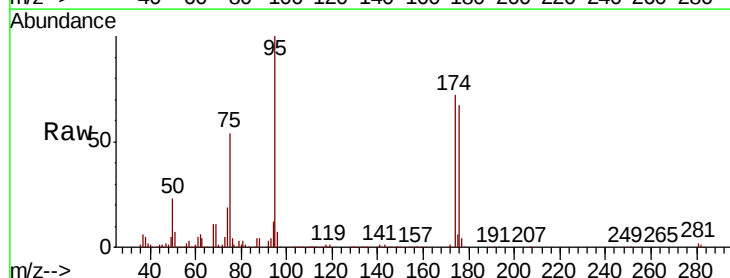
Tgt Ion: 95 Resp: 127559

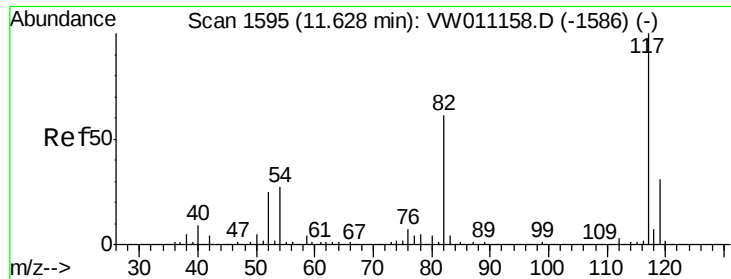
Ion Ratio Lower Upper

95 100

174 73.9 0.0 147.6

176 72.0 0.0 144.6

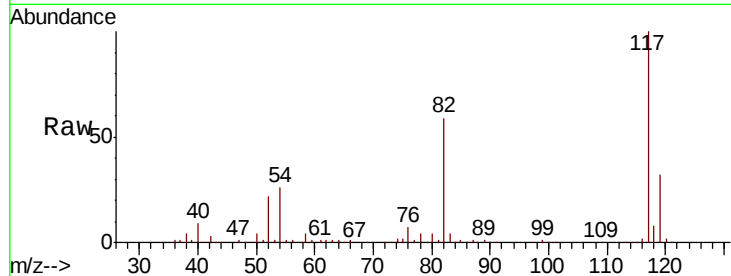




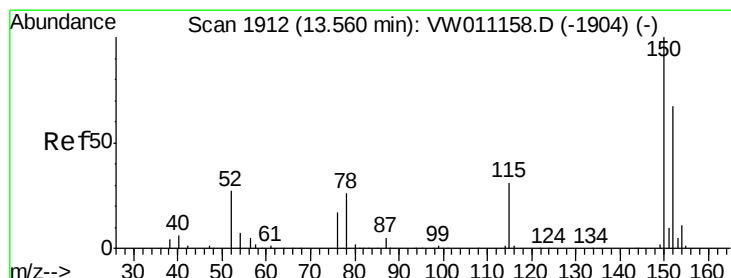
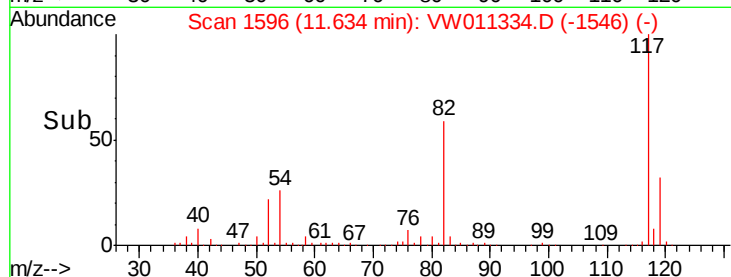
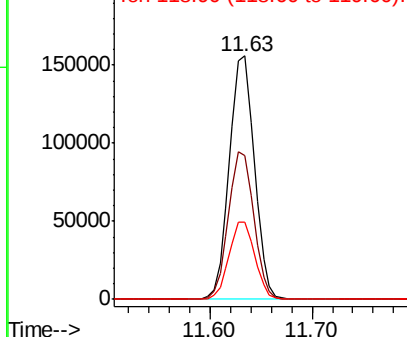
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011334.D
Acq: 18 Jul 2019 15:23

Instrument :
MSVOA_W
ClientSampleId :
KY030LC011-SD-190711

Tot Ion:117 Resp: 264944
Ion Ratio Lower Upper
117 100
82 59.3 48.9 73.3
119 31.7 25.0 37.6

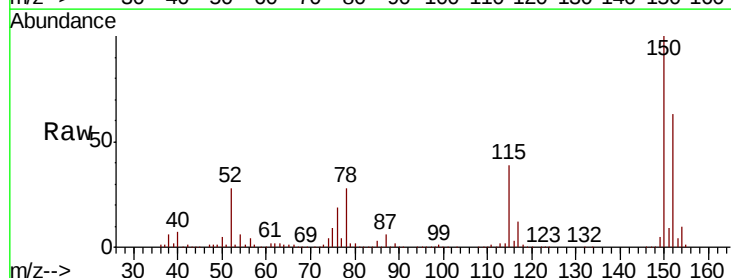


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

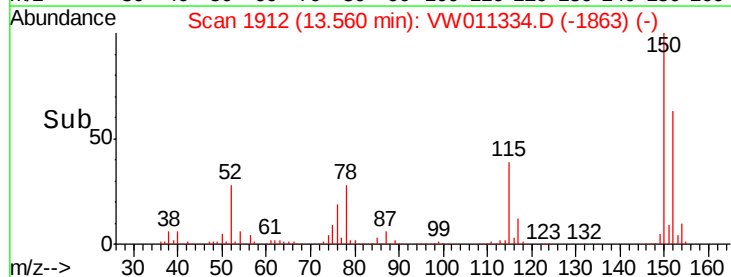
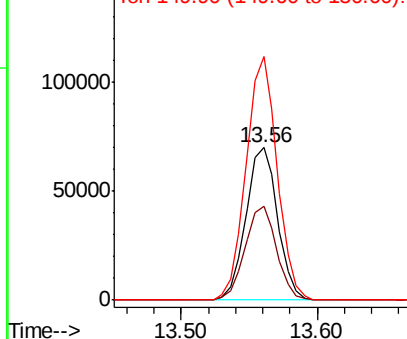


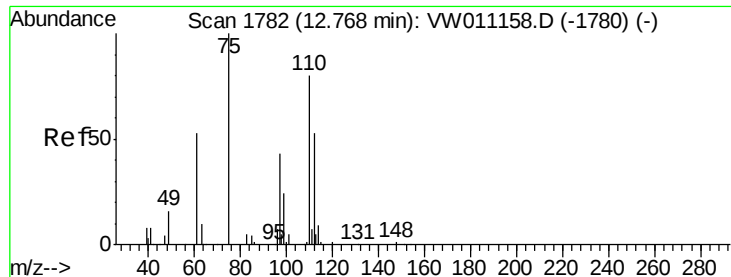
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011334.D
Acq: 18 Jul 2019 15:23

Tgt Ion:152 Resp: 114506
Ion Ratio Lower Upper
152 100
115 60.9 30.1 90.3
150 156.0 0.0 346.0



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: 51.795 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011334.D

Acq: 18 Jul 2019 15:23

Instrument :

MSVOA_W

ClientSampleId :

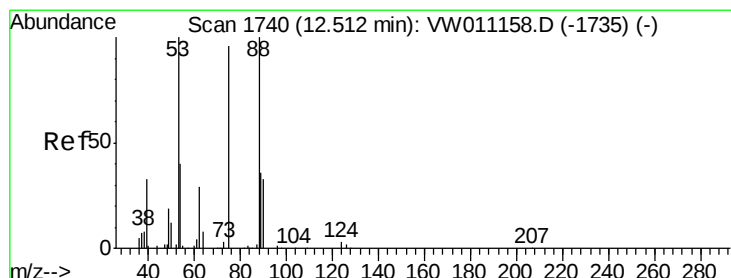
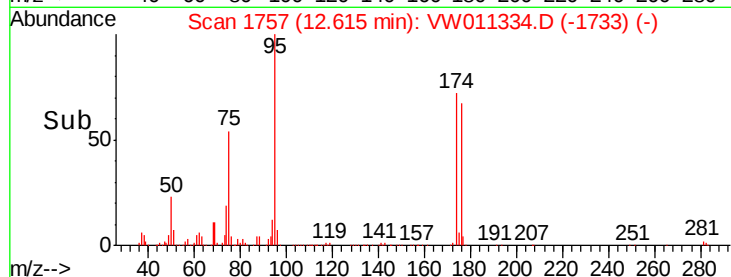
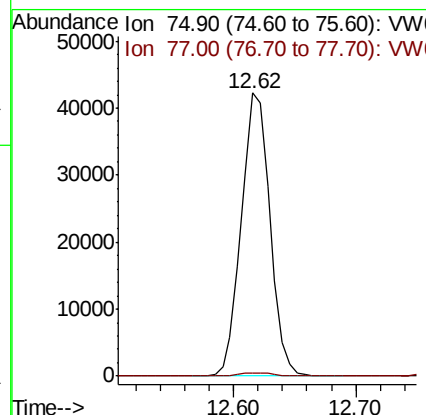
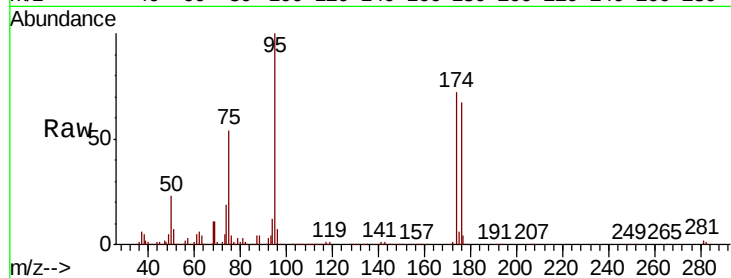
KY030LC011-SD-190711

Tot Ion: 75 Resp: 68539

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 117.151 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011334.D

Acq: 18 Jul 2019 15:23

Tgt Ion: 75 Resp: 68539

Ion Ratio Lower Upper

75 100

53 0.2 89.8 134.6#

89 0.0 34.3 51.5#

