

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\
 Data File : VW011223.D
 Acq On : 11 Jul 2019 12:29
 Operator : SY/VA
 Sample : K3733-05RE
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC001-SD-190709RE

Quant Time: Jul 12 08:30:55 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	77058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	122225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	100011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	40208	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	46666	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
35) Dibromofluoromethane	7.88	113	36589	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	10.32	98	148266	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.62	95	46619	43.19	ug/l	0.00
Spiked Amount			Recovery	=	86.38%	

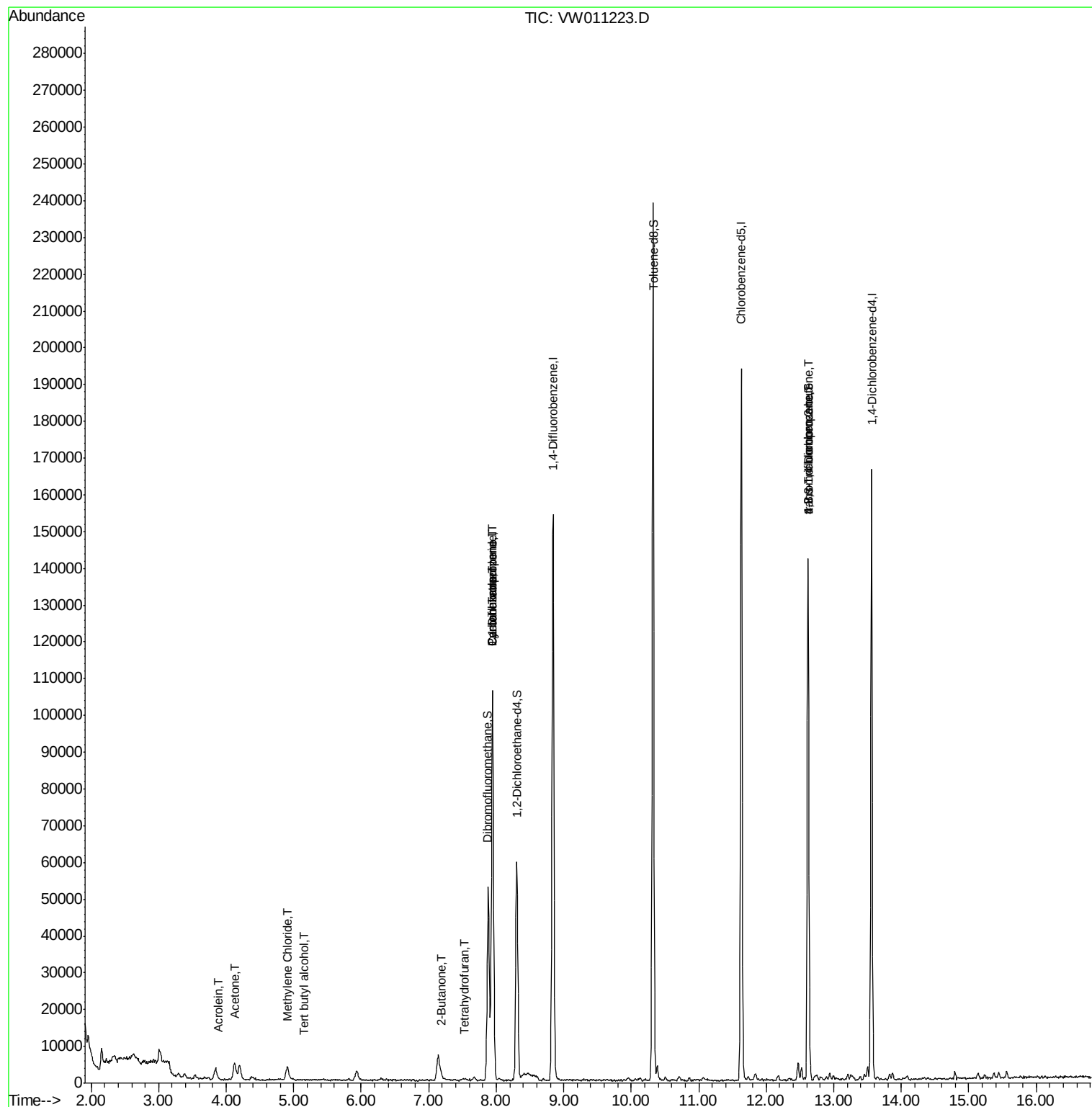
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	140	1.953	ug/l #	42
13) Acrolein	3.89	56	98	1.717	ug/l #	14
16) Acetone	4.13	43	9188	39.438	ug/l	100
18) Methyl Acetate	4.65	43	135	Below Cal		93
20) Methylene Chloride	4.90	84	2032	2.211	ug/l	88
25) 2-Butanone	7.18	43	3273	8.950	ug/l #	90
29) Tetrahydrofuran	7.52	42	277	1.155	ug/l #	41
31) Cyclohexane	7.95	56	2469	1.316	ug/l #	21
36) 1,1-Dichloropropene	7.94	75	7154	5.496	ug/l #	51
38) Carbon Tetrachloride	7.94	117	7921	7.179	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	25111	54.042	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	25111	122.233	ug/l #	5

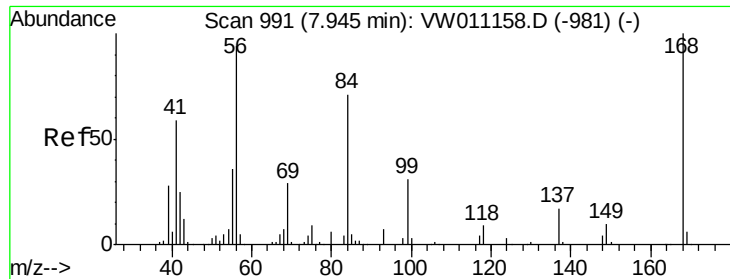
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011223.D

Acq: 11 Jul 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

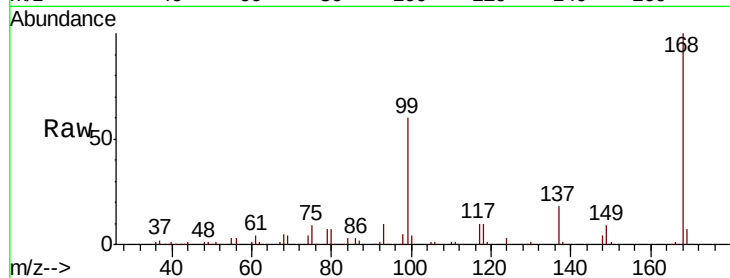
KY030LC001-SD-190709RE

Tot Ion:168 Resp: 77058

Ion Ratio Lower Upper

168 100

99 59.8 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

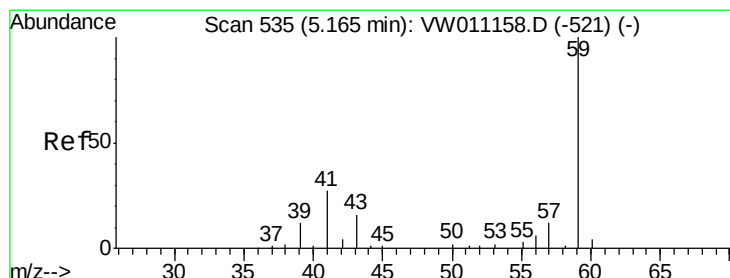
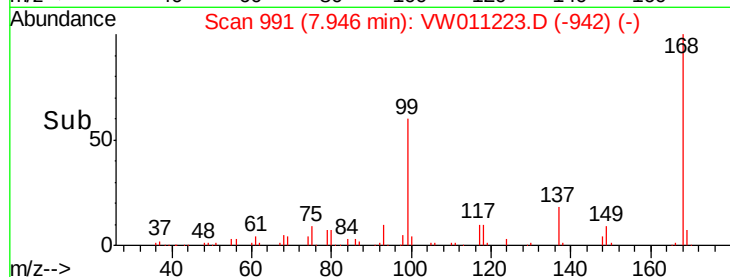
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.953 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW011223.D

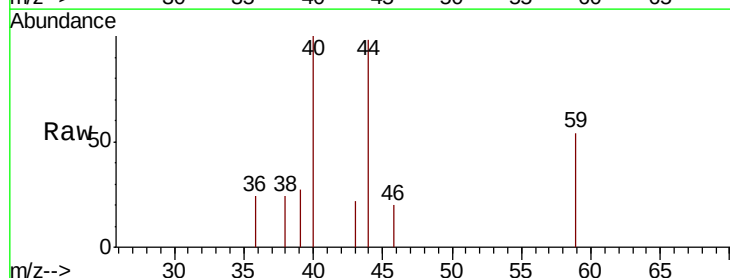
Acq: 11 Jul 2019 12:29

Tgt Ion: 59 Resp: 140

Ion Ratio Lower Upper

59 100

57 33.6 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

150

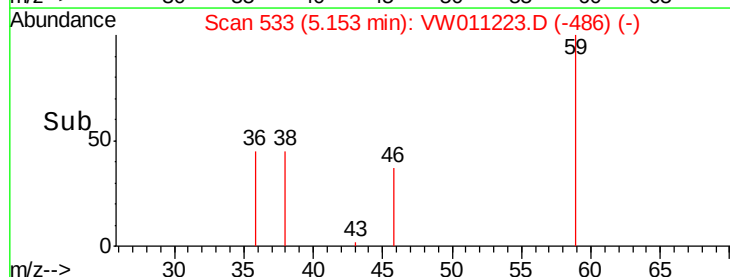
100

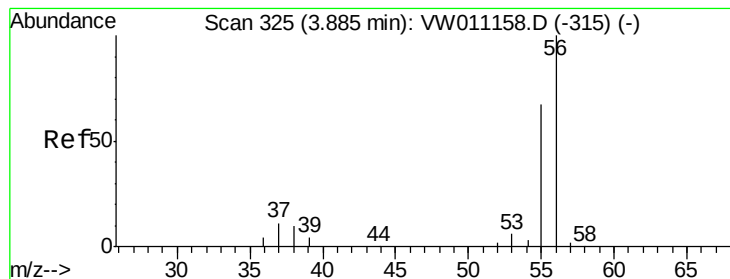
50

0

5.10 5.12 5.14 5.16 5.18

Time-->





#13

Acrolein

Concen: 1.717 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011223.D

Acq: 11 Jul 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

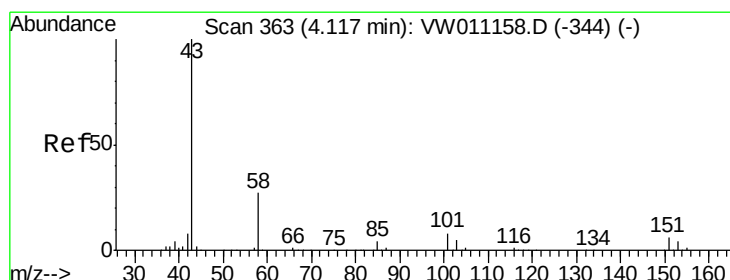
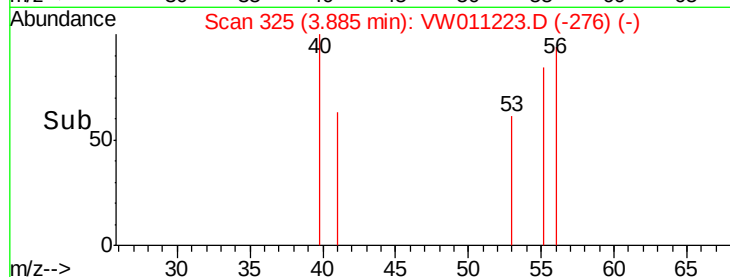
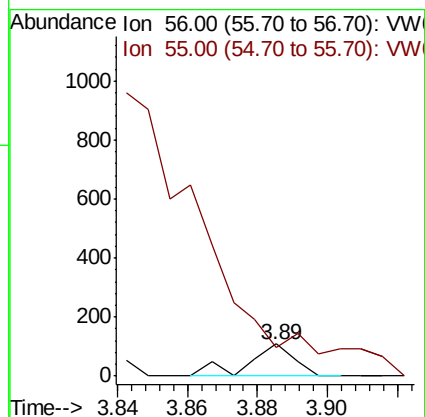
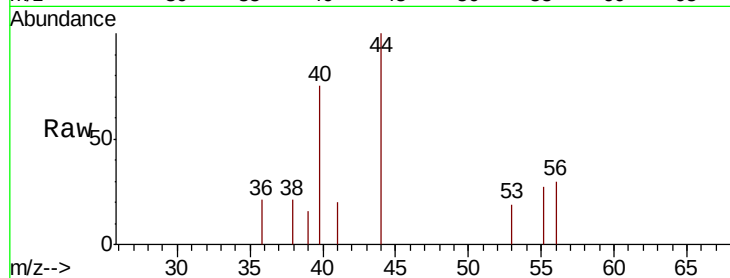
KY030LC001-SD-190709RE

Tot Ion: 56 Resp: 98

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#



#16

Acetone

Concen: 39.438 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011223.D

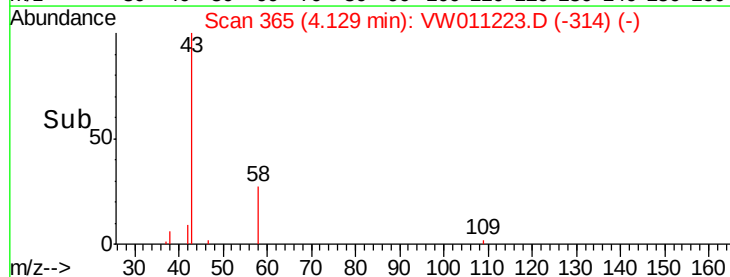
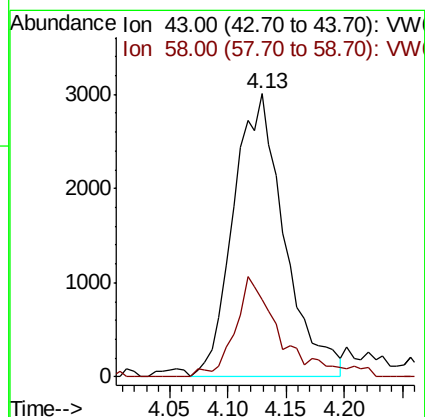
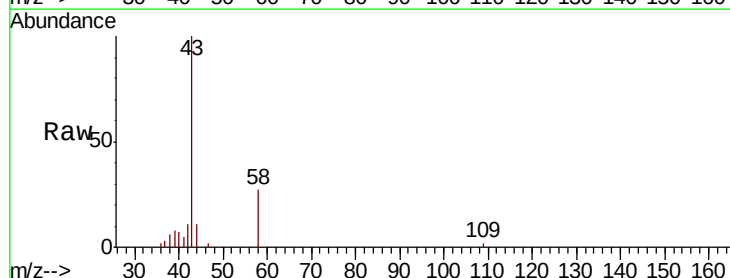
Acq: 11 Jul 2019 12:29

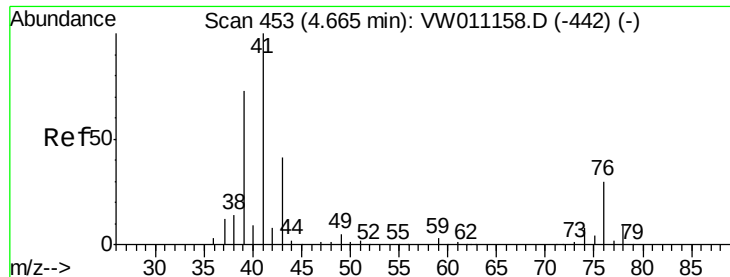
Tgt Ion: 43 Resp: 9188

Ion Ratio Lower Upper

43 100

58 27.4 21.8 32.6





#18

Methyl Acetate

Concen: Below Cal

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011223.D

Acq: 11 Jul 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

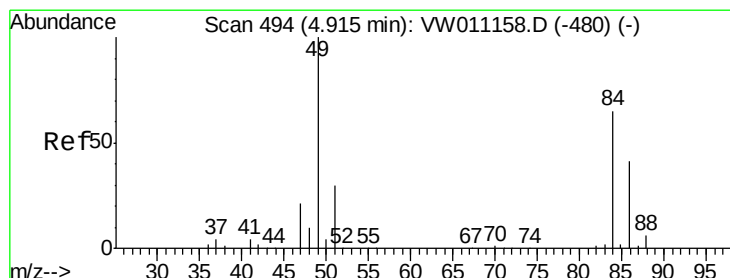
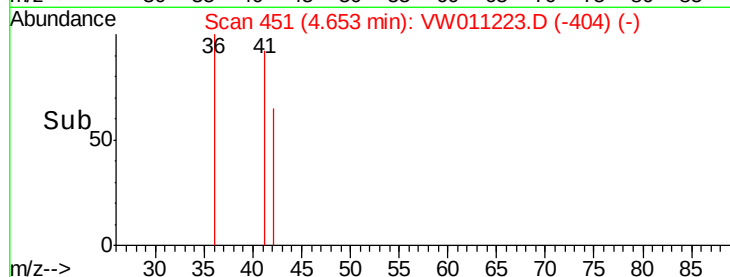
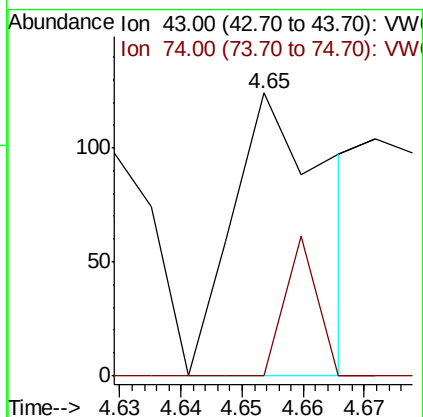
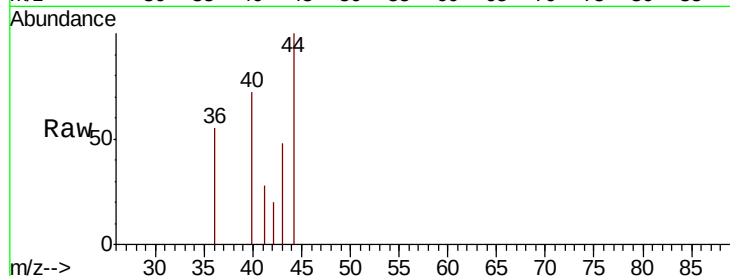
KY030LC001-SD-190709RE

Tot Ion: 43 Resp: 135

Ion Ratio Lower Upper

43 100

74 16.3 15.7 23.5



#20

Methylene Chloride

Concen: 2.211 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW011223.D

Acq: 11 Jul 2019 12:29

Tgt Ion: 84 Resp: 2032

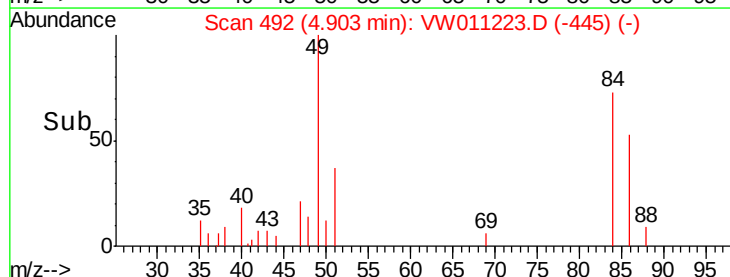
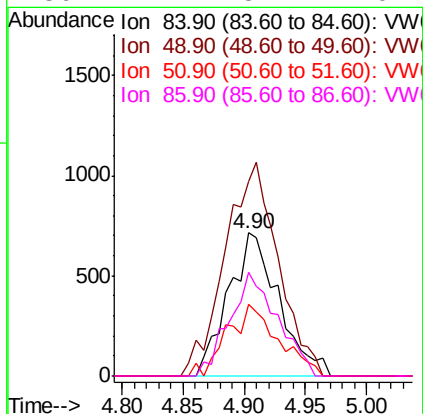
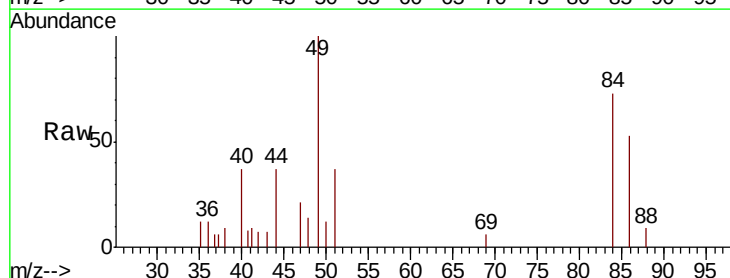
Ion Ratio Lower Upper

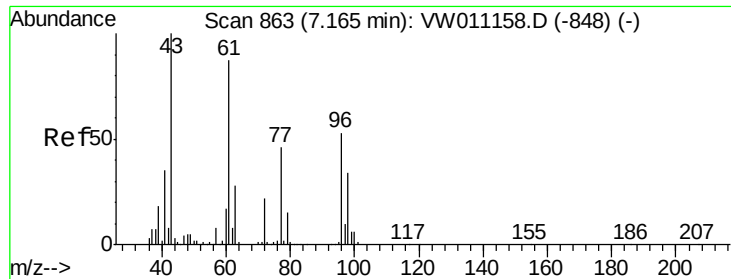
84 100

49 136.3 123.8 185.6

51 49.8 37.4 56.2

86 72.4 51.1 76.7

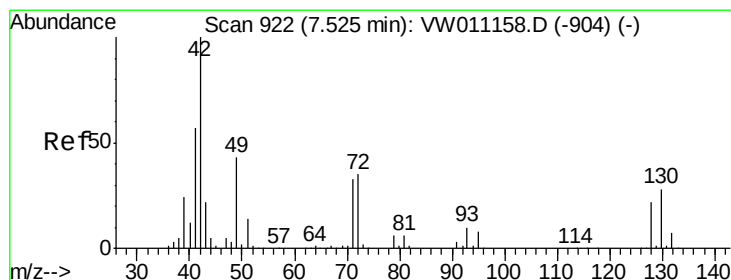
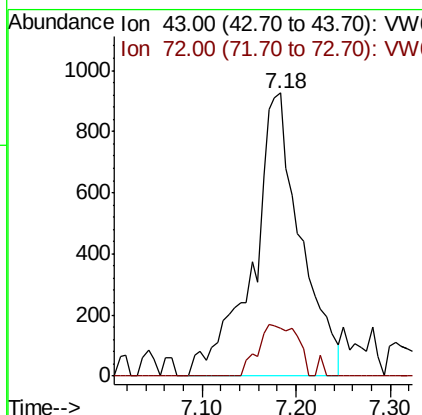
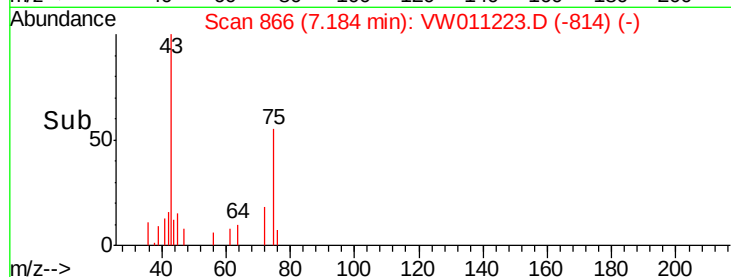
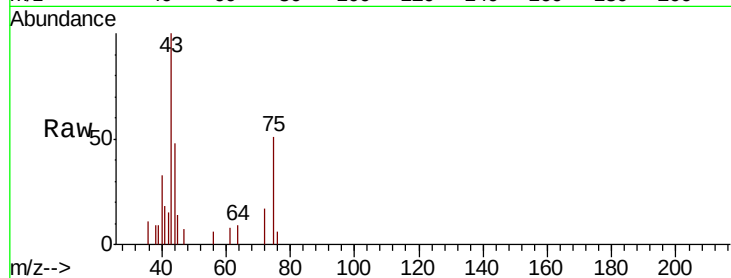




#25
2-Butanone
Concen: 8.950 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: VW011223.D
Acq: 11 Jul 2019 12:29

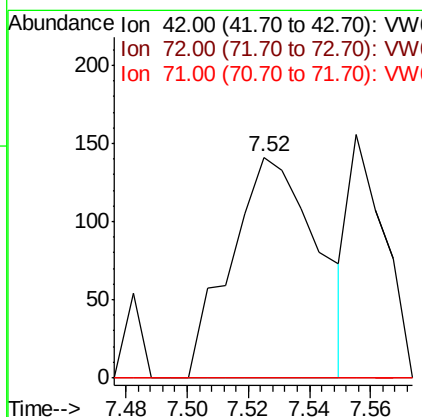
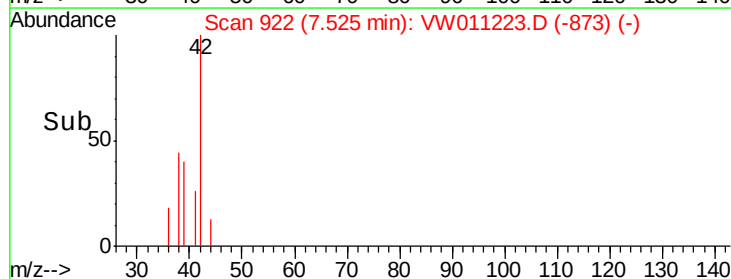
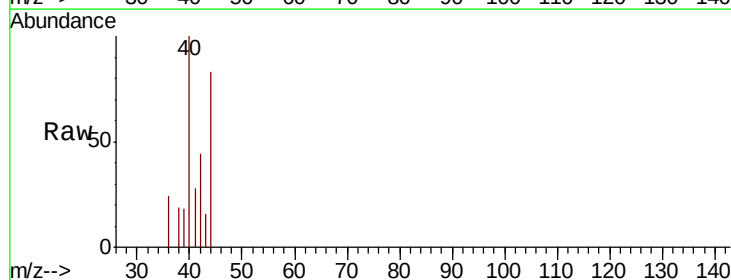
Instrument :
MSVOA_W
ClientSampleId :
KY030LC001-SD-190709RE

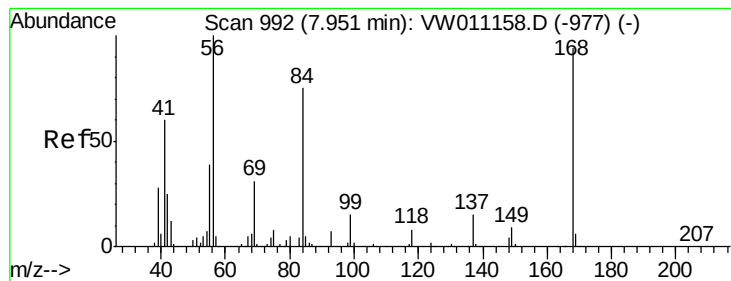
Tot Ion: 43 Resp: 3273
Ion Ratio Lower Upper
43 100
72 17.1 17.6 26.4#



#29
Tetrahydrofuran
Concen: 1.155 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011223.D
Acq: 11 Jul 2019 12:29

Tgt Ion: 42 Resp: 277
Ion Ratio Lower Upper
42 100
72 0.0 27.4 41.2#
71 0.0 25.9 38.9#





#31

Cyclohexane

Concen: 1.316 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011223.D

Acq: 11 Jul 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

KY030LC001-SD-190709RE

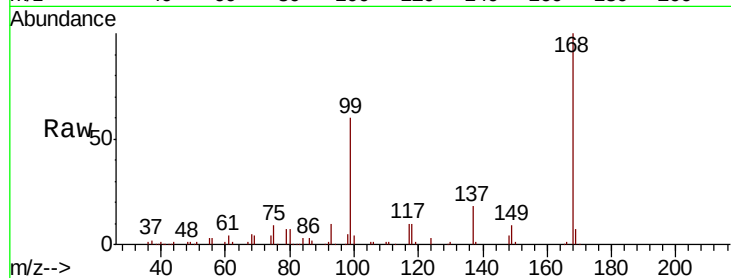
Tot Ion: 56 Resp: 2469

Ion Ratio Lower Upper

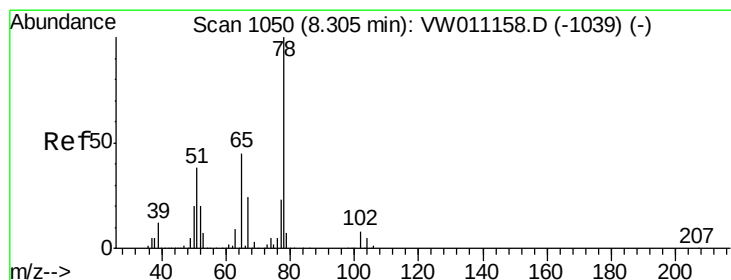
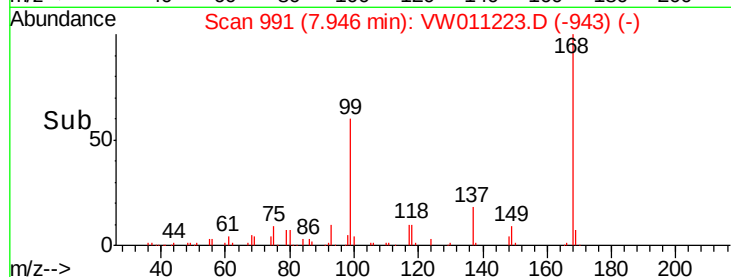
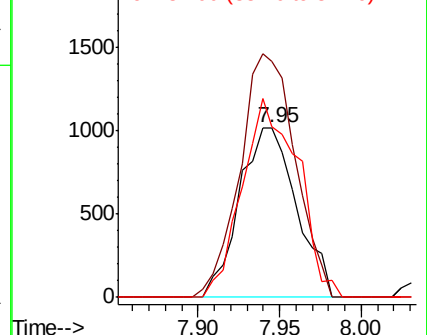
56 100

69 138.9 24.6 36.8#

84 100.9 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: 48.196 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011223.D

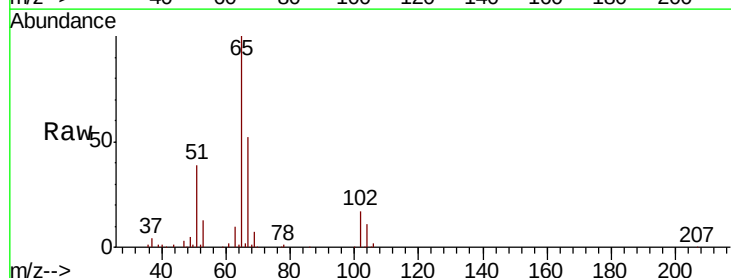
Acq: 11 Jul 2019 12:29

Tgt Ion: 65 Resp: 46666

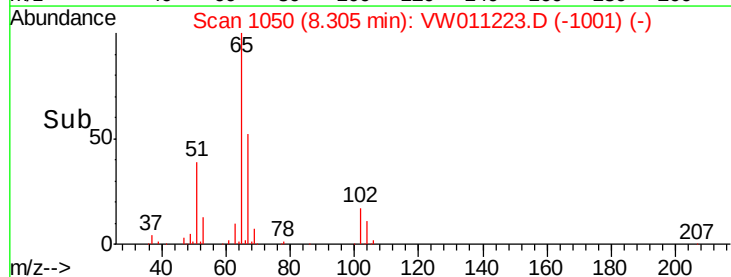
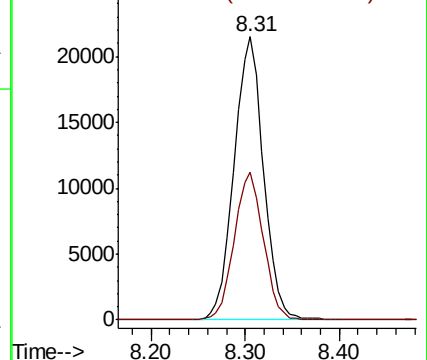
Ion Ratio Lower Upper

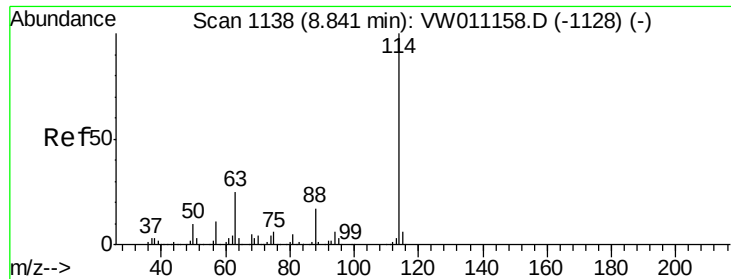
65 100

67 51.4 0.0 104.4



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

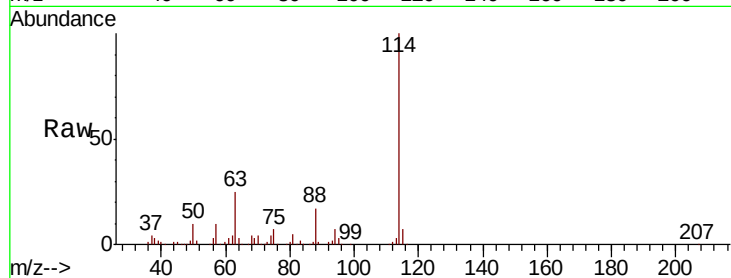




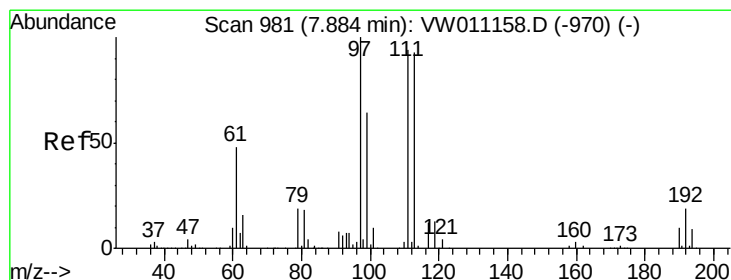
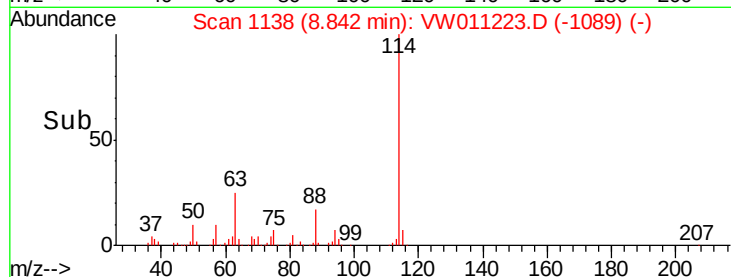
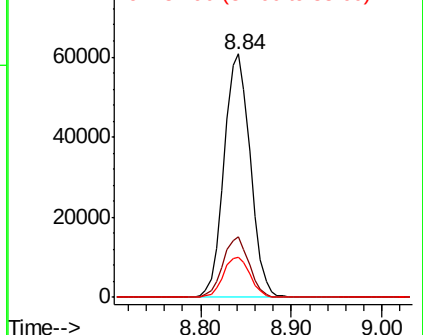
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011223.D
 Acq: 11 Jul 2019 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC001-SD-190709RE

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	50.8
88	16.6	0.0	34.2

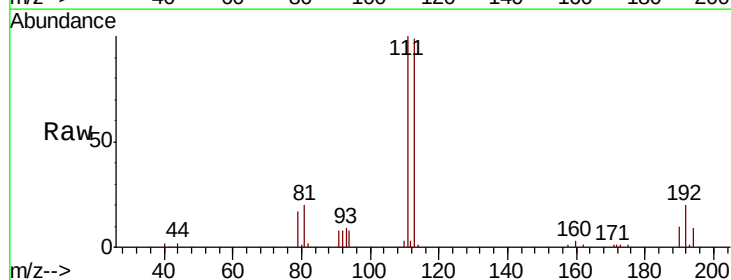


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

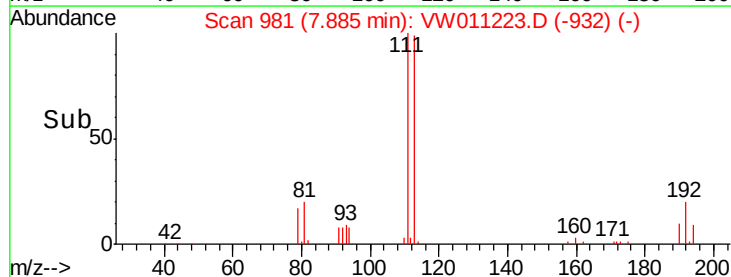
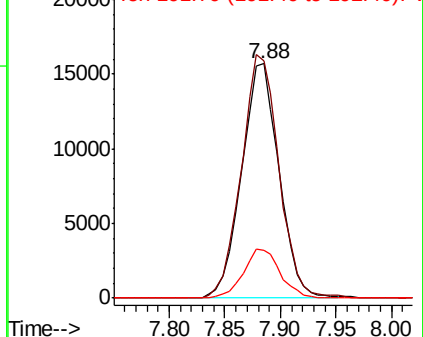


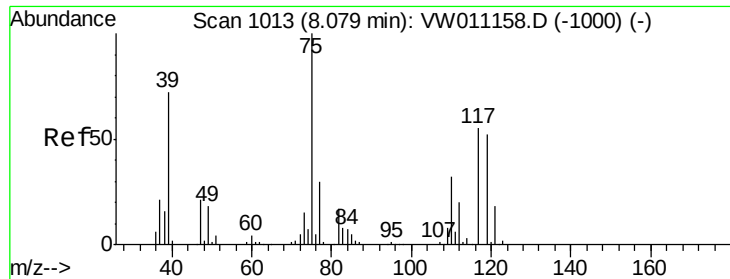
#35
 Dibromofluoromethane
 Concen: 50.224 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011223.D
 Acq: 11 Jul 2019 12:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.4	123.6
192	20.7	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: 5.496 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW011223.D

Acq: 11 Jul 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

KY030LC001-SD-190709RE

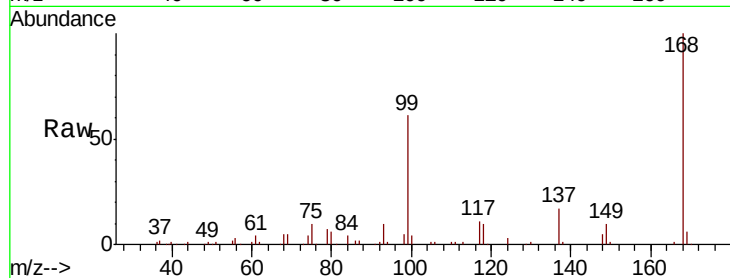
Tot Ion: 75 Resp: 7154

Ion Ratio Lower Upper

75 100

110 8.2 15.9 47.6#

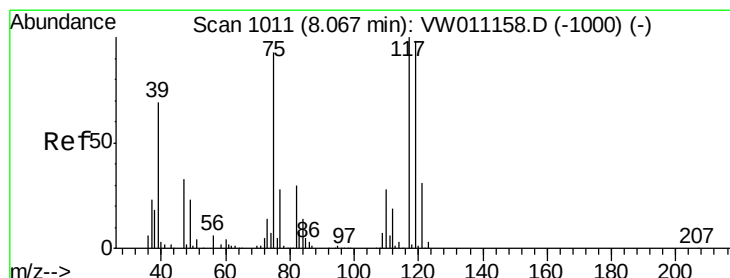
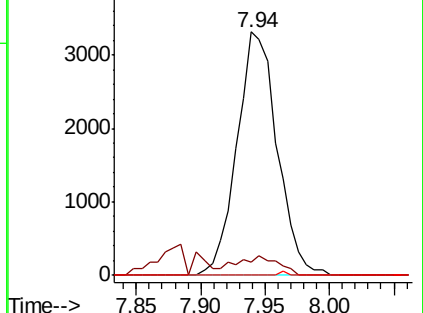
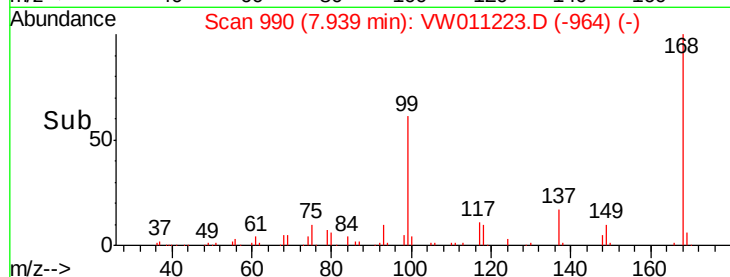
77 0.0 24.6 36.8#



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: 7.179 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW011223.D

Acq: 11 Jul 2019 12:29

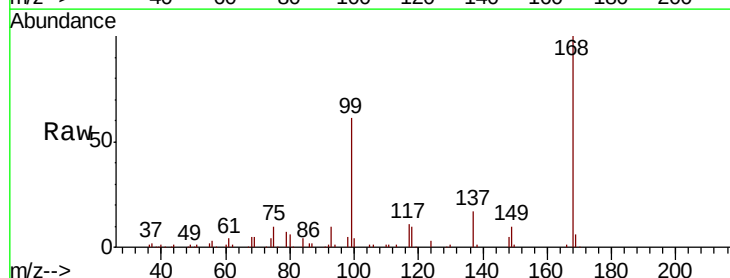
Tgt Ion: 117 Resp: 7921

Ion Ratio Lower Upper

117 100

119 4.1 78.1 117.1#

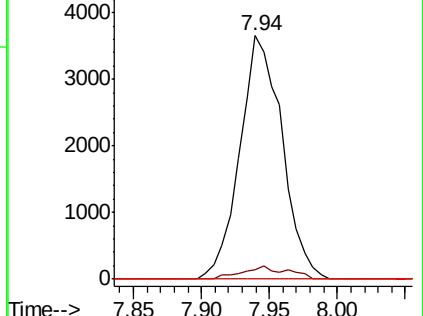
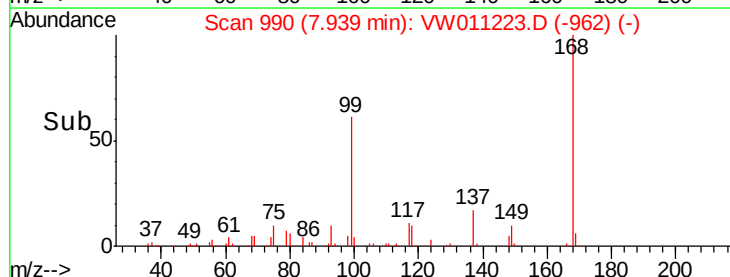
121 0.0 25.1 37.7#

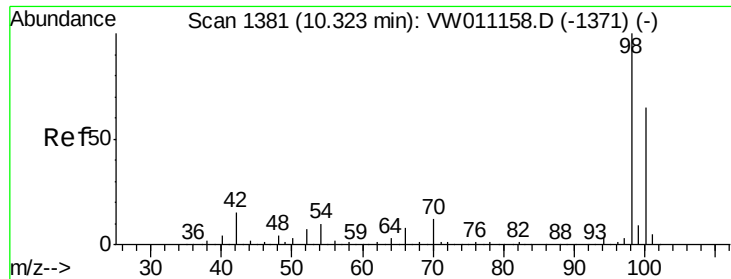


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

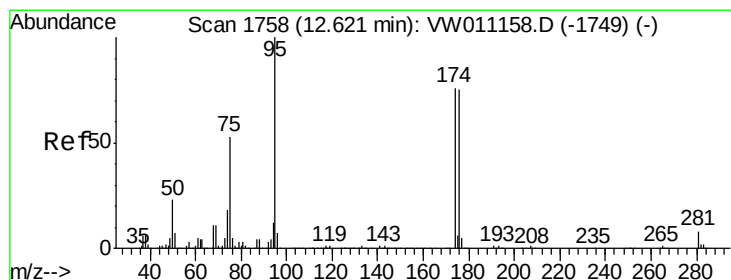
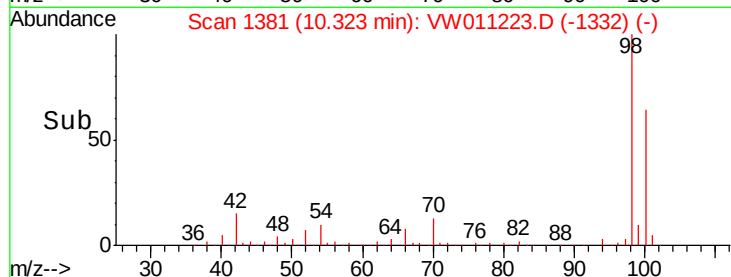
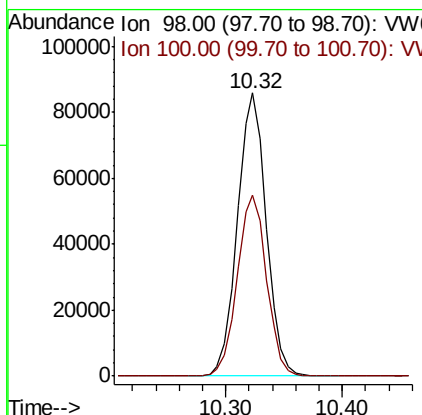
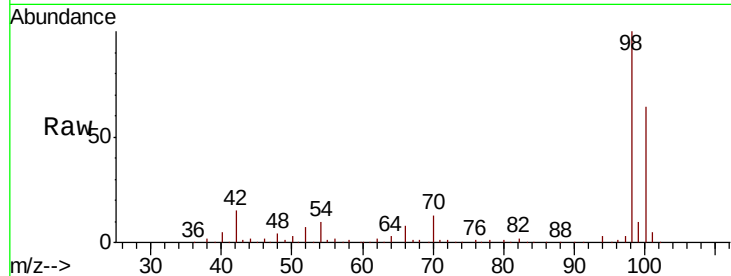




#50
Toluene-d8
Concen: 50.349 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011223.D
Acq: 11 Jul 2019 12:29

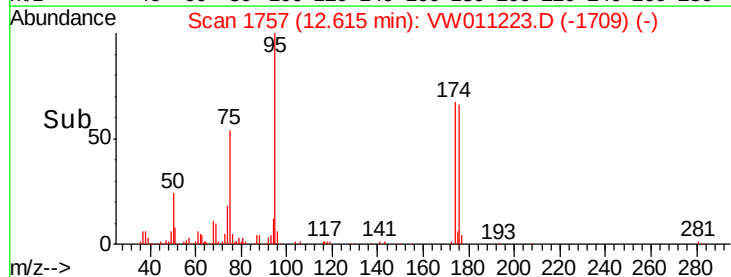
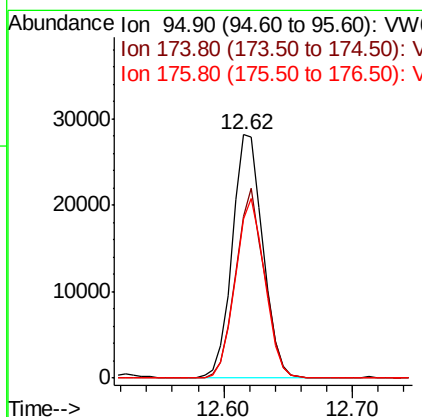
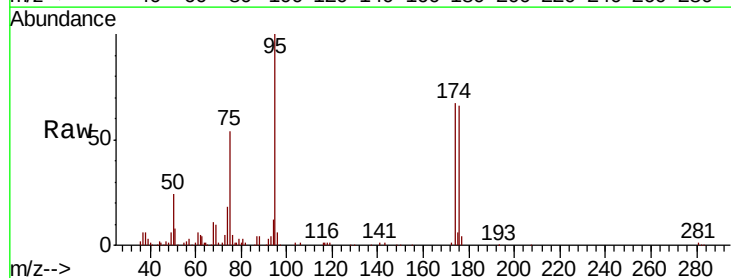
Instrument :
MSVOA_W
ClientSampleId :
KY030LC001-SD-190709RE

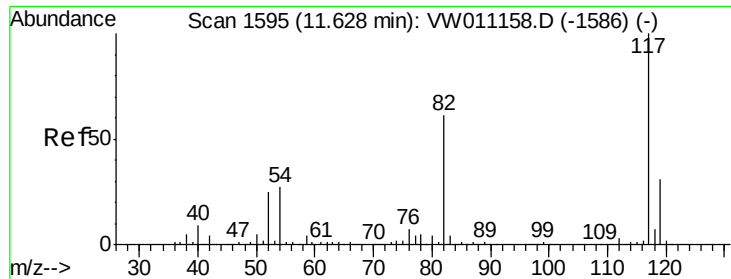
Tot Ion: 98 Resp: 148266
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 43.191 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011223.D
Acq: 11 Jul 2019 12:29

Tgt Ion: 95 Resp: 46619
Ion Ratio Lower Upper
95 100
174 73.1 0.0 147.6
176 71.1 0.0 144.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW011223.D

Acq: 11 Jul 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

KY030LC001-SD-190709RE

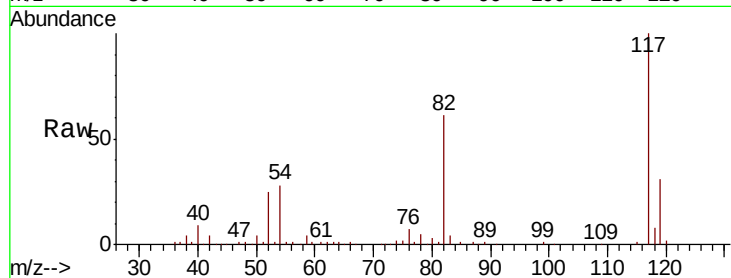
Tot Ion:117 Resp: 100011

Ion Ratio Lower Upper

117 100

82 61.2 48.9 73.3

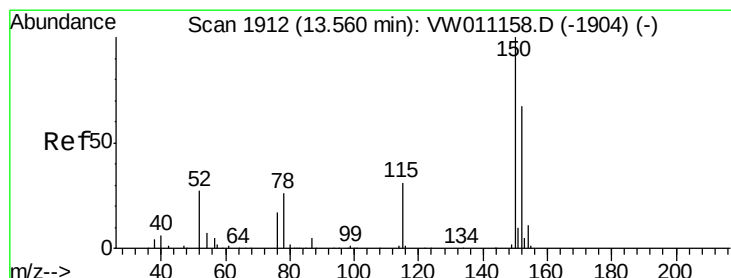
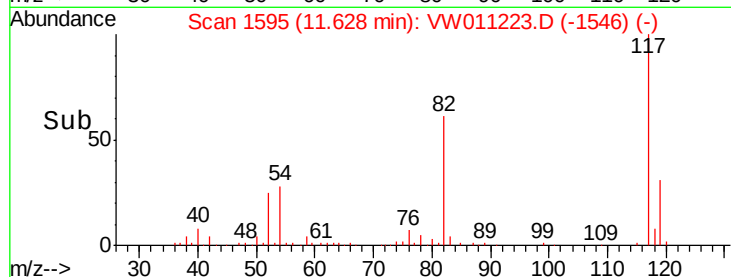
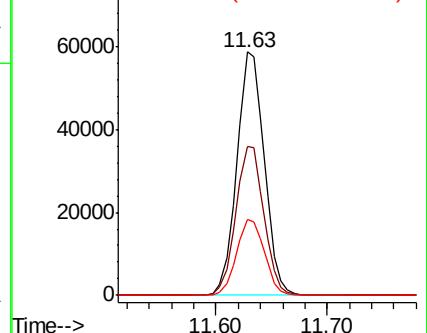
119 31.2 25.0 37.6



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: VW011223.D

Acq: 11 Jul 2019 12:29

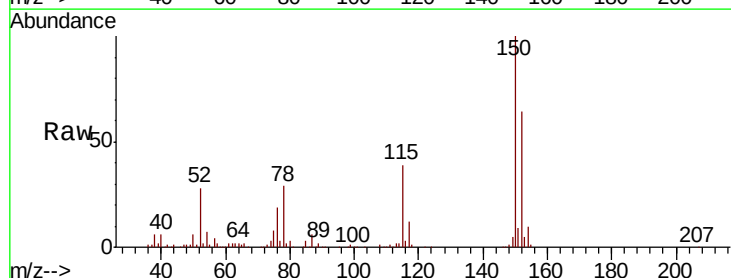
Tgt Ion:152 Resp: 40208

Ion Ratio Lower Upper

152 100

115 59.3 30.1 90.3

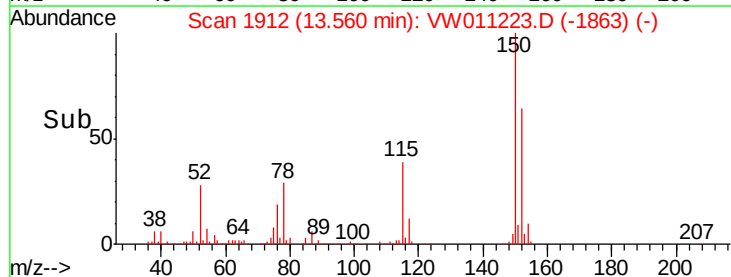
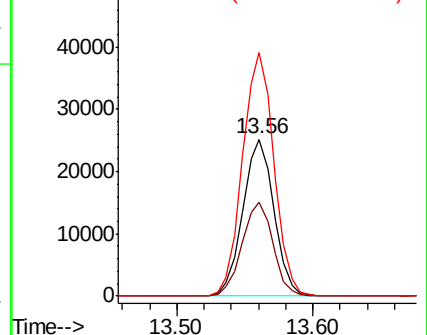
150 156.8 0.0 346.0

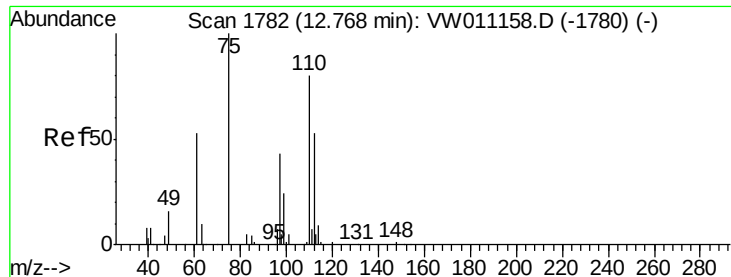


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 54.042 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011223.D

Acq: 11 Jul 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

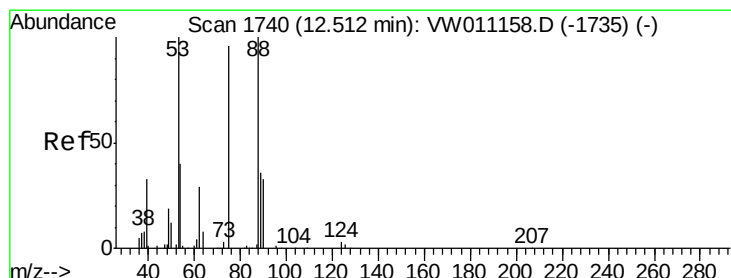
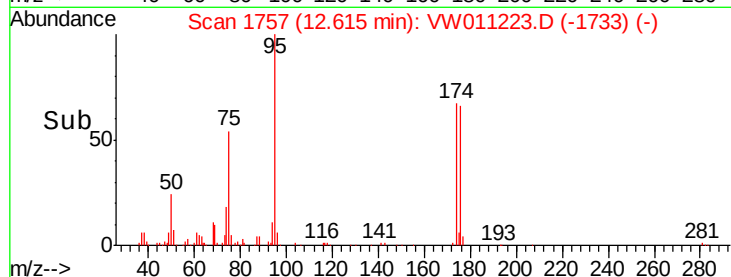
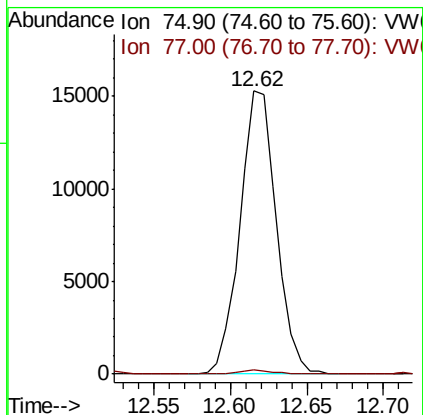
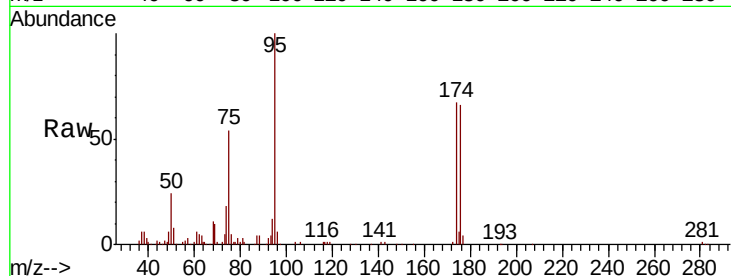
KY030LC001-SD-190709RE

Tot Ion: 75 Resp: 25111

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.233 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011223.D

Acq: 11 Jul 2019 12:29

Tgt Ion: 75 Resp: 25111

Ion Ratio Lower Upper

75 100

53 0.0 89.8 134.6#

89 0.0 34.3 51.5#

