

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011206.D
 Acq On : 10 Jul 2019 23:11
 Operator : SY/VA
 Sample : K3733-05
 Misc : 4.99G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC001-SD-190709

Quant Time: Jul 11 08:09:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 10 06:41:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	44450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	70261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	56732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	19045	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	27580	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
35) Dibromofluoromethane	7.88	113	21898	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
50) Toluene-d8	10.32	98	85788	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.62	95	25381	40.91	ug/l	0.00
Spiked Amount			Recovery	=	81.82%	

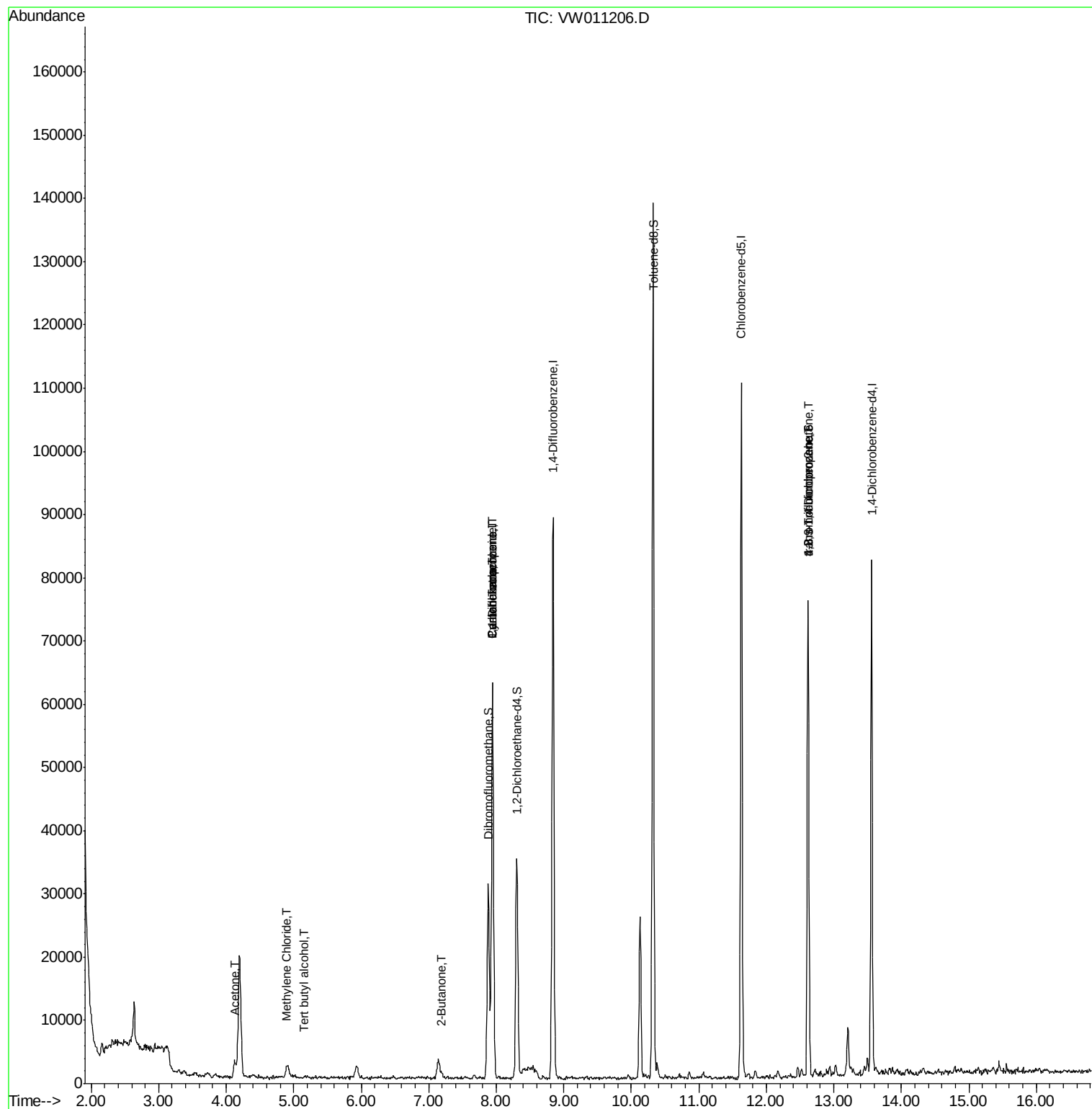
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	127	3.071	ug/l #	70
16) Acetone	4.12	43	5450	40.554	ug/l #	83
20) Methylene Chloride	4.90	84	1302	2.456	ug/l #	81
25) 2-Butanone	7.18	43	1667	7.902	ug/l	98
31) Cyclohexane	7.94	56	1451	1.341	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	3962	5.295	ug/l #	53
38) Carbon Tetrachloride	7.95	117	4638	7.312	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	13137	59.689	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	13137	135.006	ug/l #	6

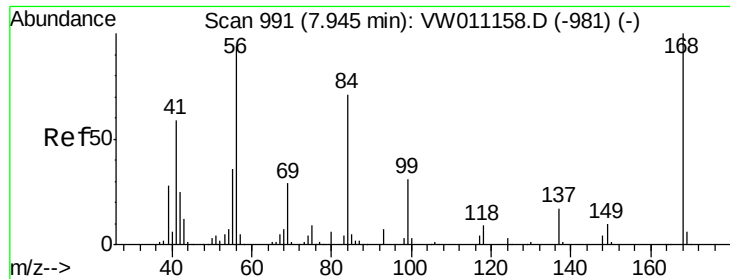
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 10 06:41:08 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: VW011206.D

Acq: 10 Jul 2019 23:11

Instrument :

MSVOA_W

ClientSampleId :

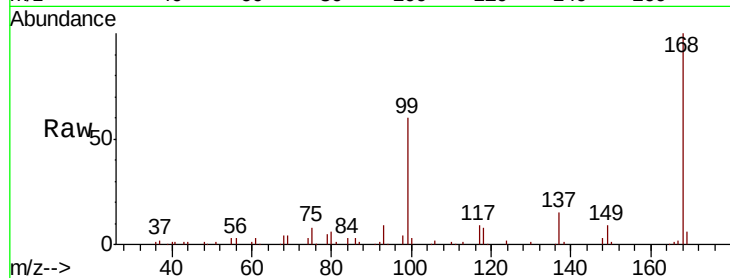
KY030LC001-SD-190709

Tot Ion:168 Resp: 44450

Ion Ratio Lower Upper

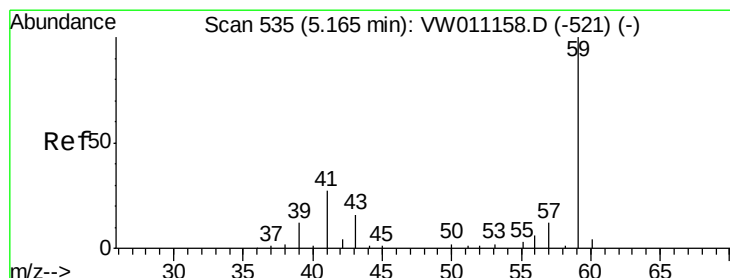
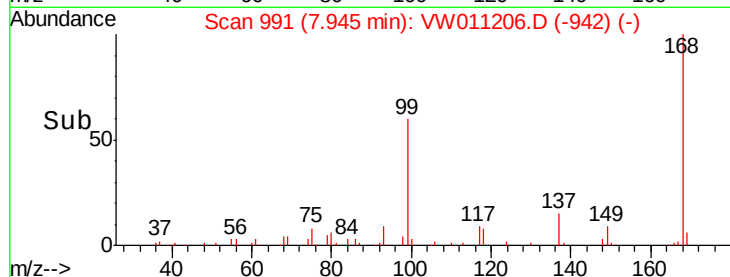
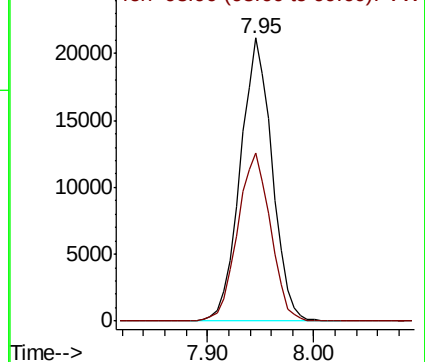
168 100

99 59.5 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: 3.071 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW011206.D

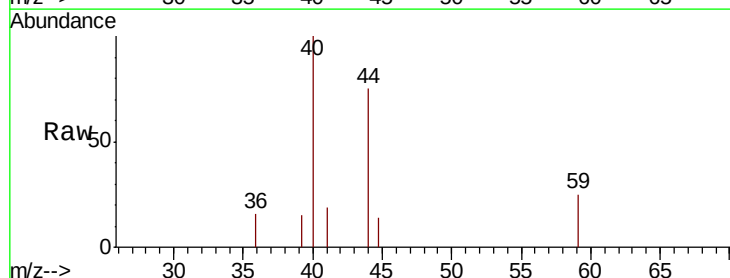
Acq: 10 Jul 2019 23:11

Tgt Ion: 59 Resp: 127

Ion Ratio Lower Upper

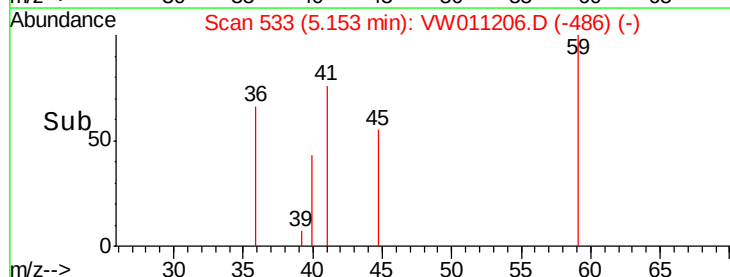
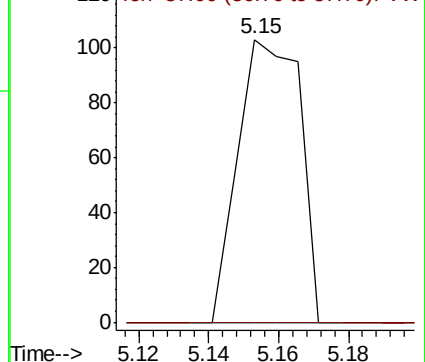
59 100

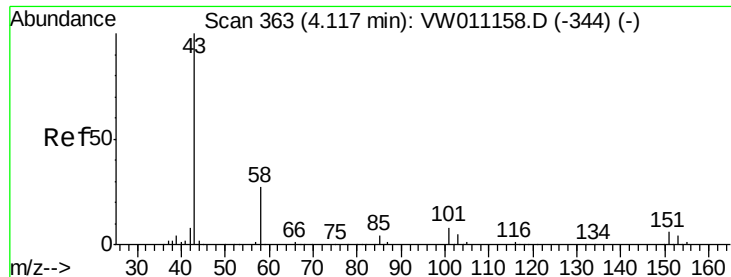
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 40.554 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011206.D

Acq: 10 Jul 2019 23:11

Instrument :

MSVOA_W

ClientSampleId :

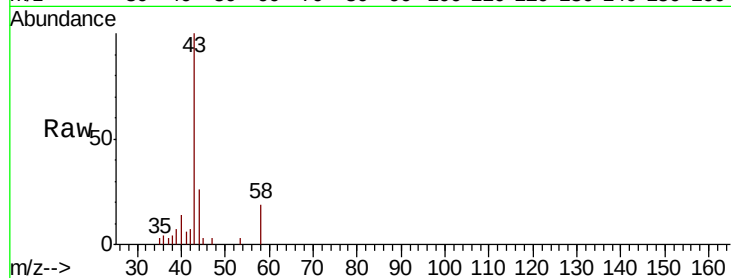
KY030LC001-SD-190709

Tot Ion: 43 Resp: 5450

Ion Ratio Lower Upper

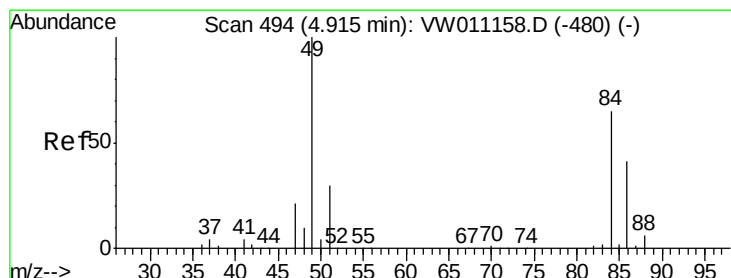
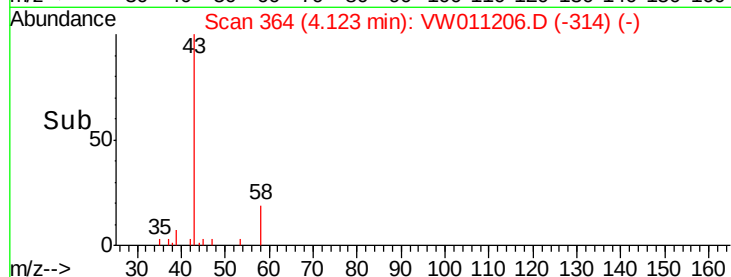
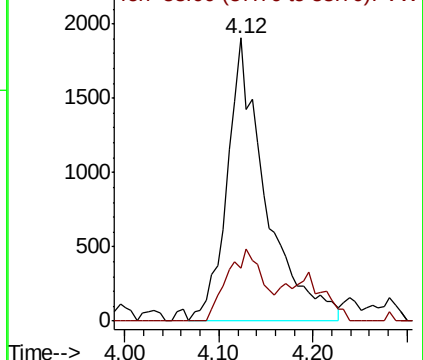
43 100

58 18.5 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.456 ug/l

RT: 4.90 min Scan# 491

Delta R.T. -0.02 min

Lab File: VW011206.D

Acq: 10 Jul 2019 23:11

Tgt Ion: 84 Resp: 1302

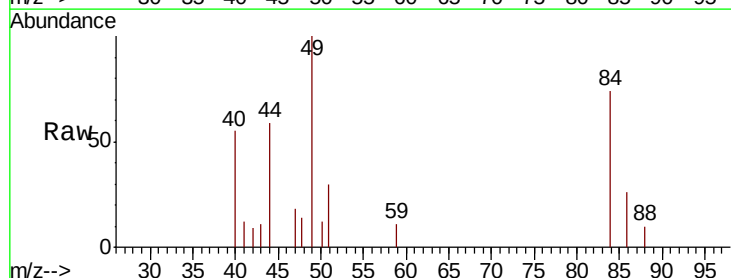
Ion Ratio Lower Upper

84 100

49 134.8 123.8 185.6

51 40.1 37.4 56.2

86 35.6 51.1 76.7#

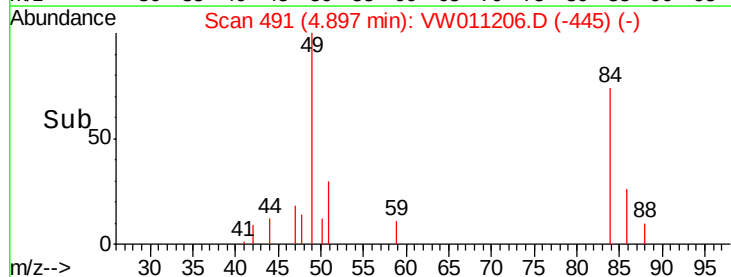
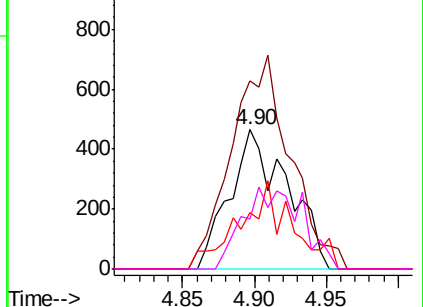


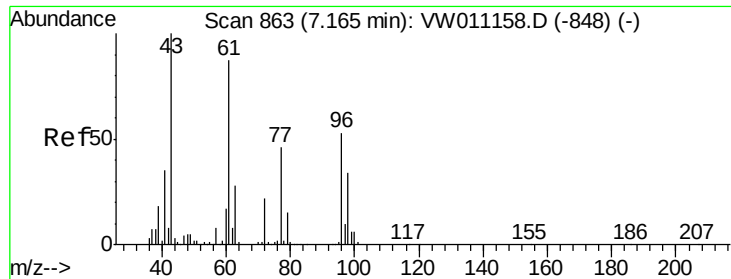
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 7.902 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW011206.D

Acq: 10 Jul 2019 23:11

Instrument :

MSVOA_W

ClientSampleId :

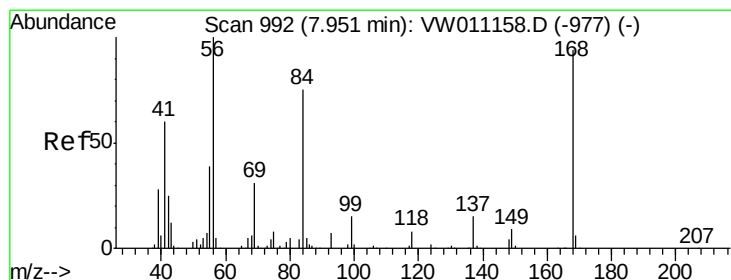
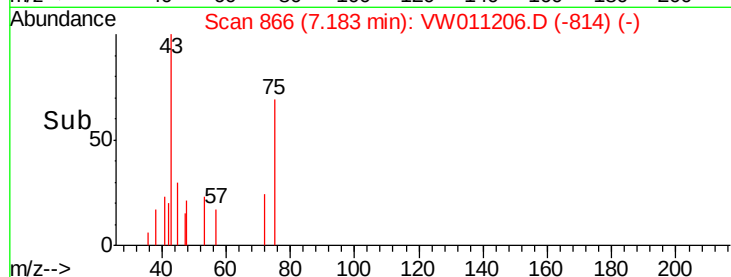
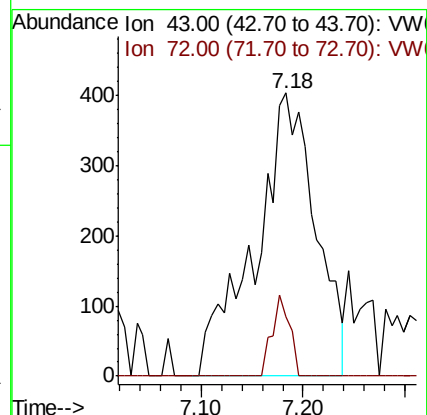
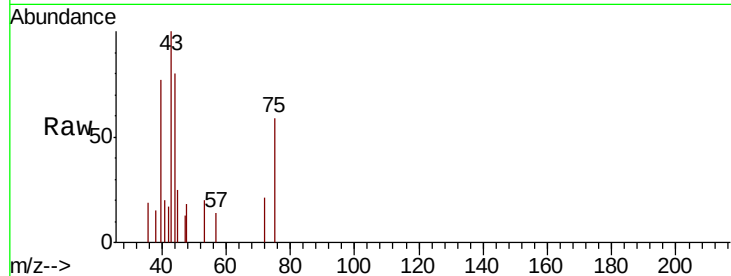
KY030LC001-SD-190709

Tot Ion: 43 Resp: 1667

Ion Ratio Lower Upper

43 100

72 20.8 17.6 26.4



#31

Cyclohexane

Concen: 1.341 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011206.D

Acq: 10 Jul 2019 23:11

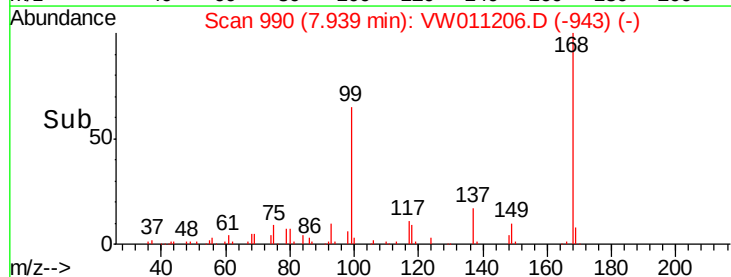
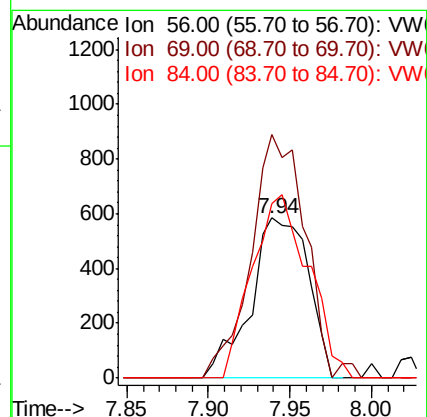
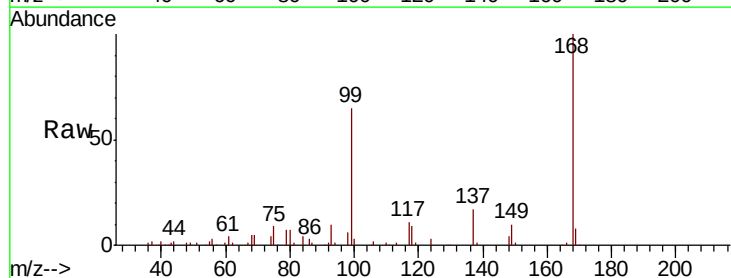
Tgt Ion: 56 Resp: 1451

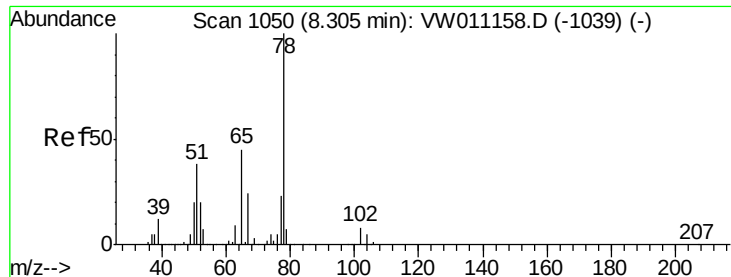
Ion Ratio Lower Upper

56 100

69 152.2 24.6 36.8#

84 108.7 60.1 90.1#





#33

1,2-Dichloroethane-d4

Concen: 49.380 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011206.D

Acq: 10 Jul 2019 23:11

Instrument :

MSVOA_W

ClientSampleId :

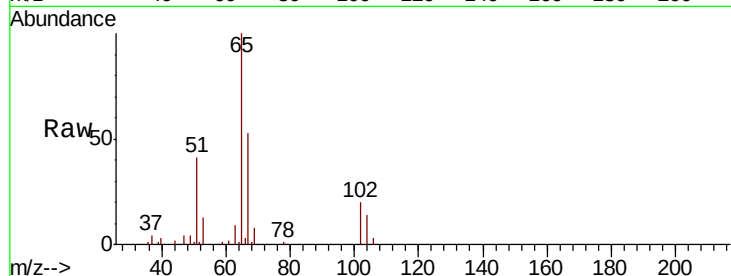
KY030LC001-SD-190709

Tot Ion: 65 Resp: 27580

Ion Ratio Lower Upper

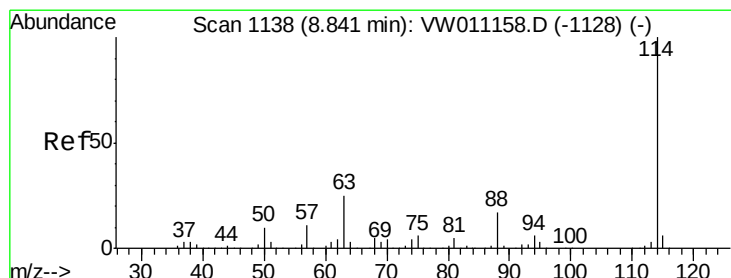
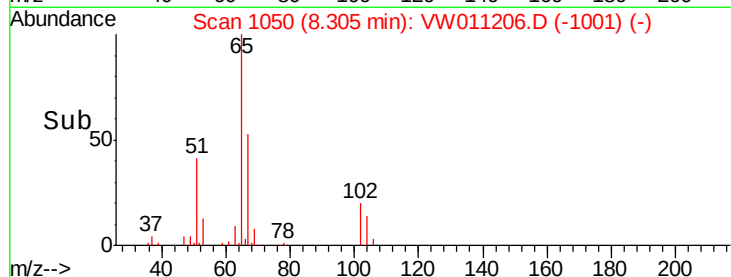
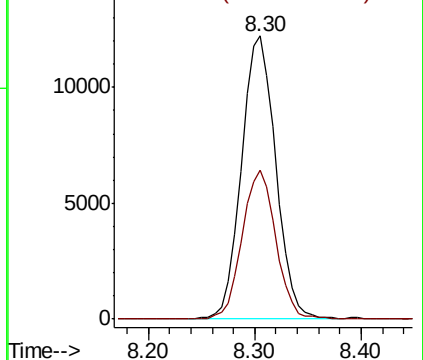
65 100

67 51.8 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: VW011206.D

Acq: 10 Jul 2019 23:11

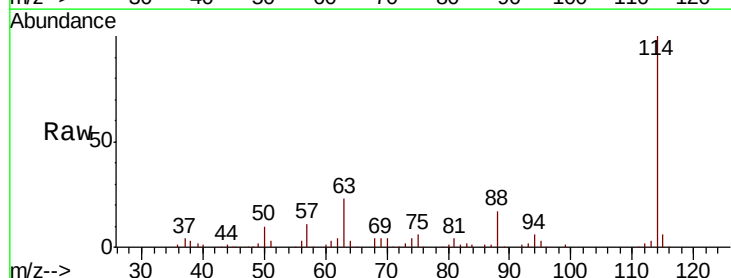
Tgt Ion: 114 Resp: 70261

Ion Ratio Lower Upper

114 100

63 23.2 0.0 50.8

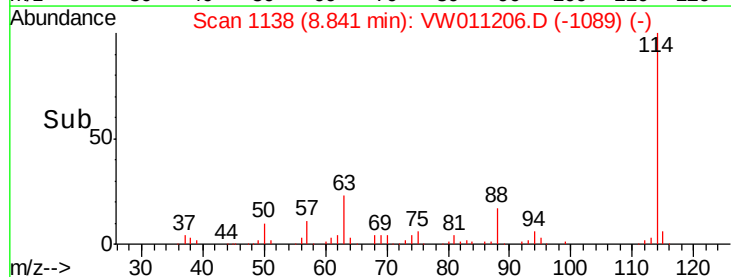
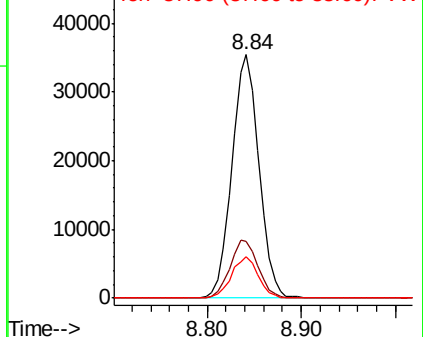
88 16.9 0.0 34.2

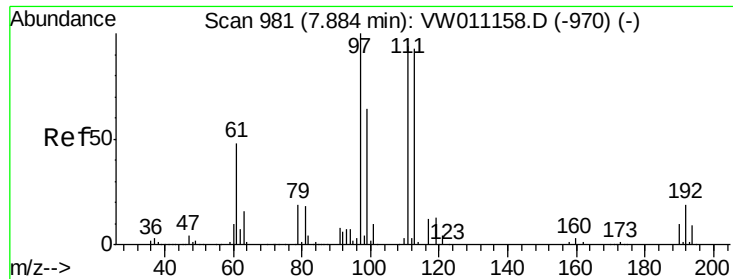


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

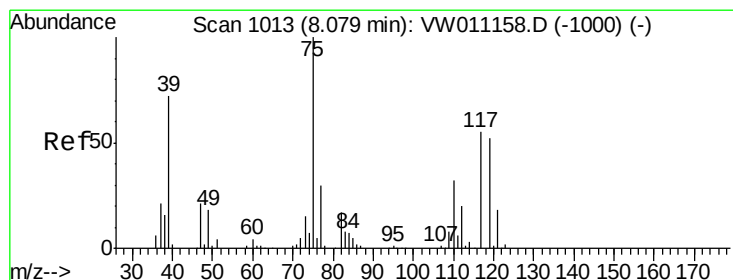
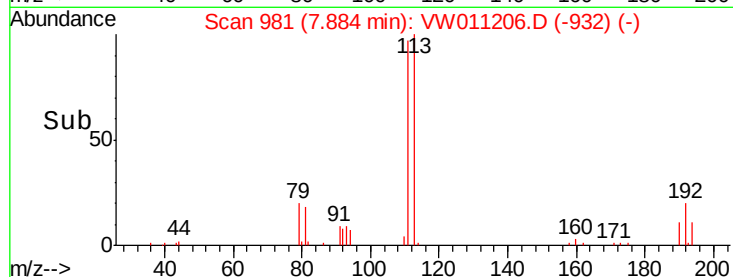
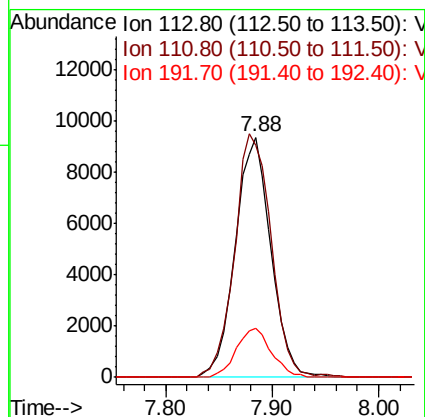
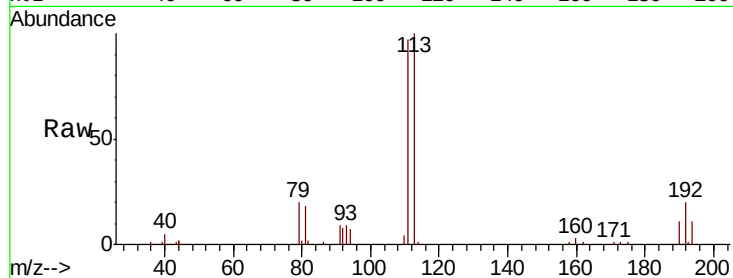




#35
 Dibromofluoromethane
 Concen: 52.289 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011206.D
 Acq: 10 Jul 2019 23:11

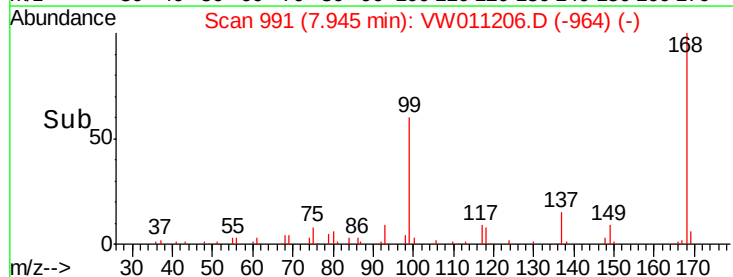
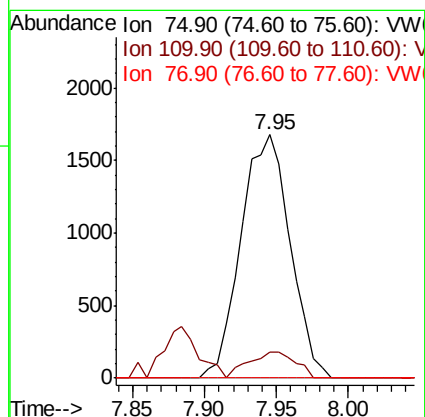
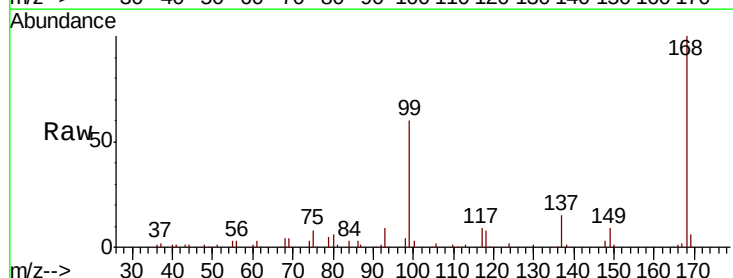
Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC001-SD-190709

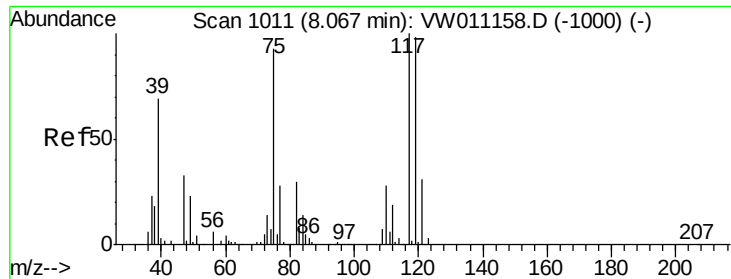
Tot Ion:113 Resp: 21898
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.4 123.6
 192 20.0 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 5.295 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011206.D
 Acq: 10 Jul 2019 23:11

Tgt Ion: 75 Resp: 3962
 Ion Ratio Lower Upper
 75 100
 110 10.4 15.9 47.6#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 7.312 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011206.D

Acq: 10 Jul 2019 23:11

Instrument :

MSVOA_W

ClientSampleId :

KY030LC001-SD-190709

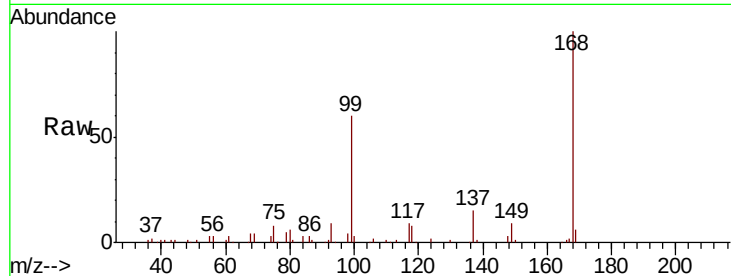
Tot Ion:117 Resp: 4638

Ion Ratio Lower Upper

117 100

119 4.6 78.1 117.1#

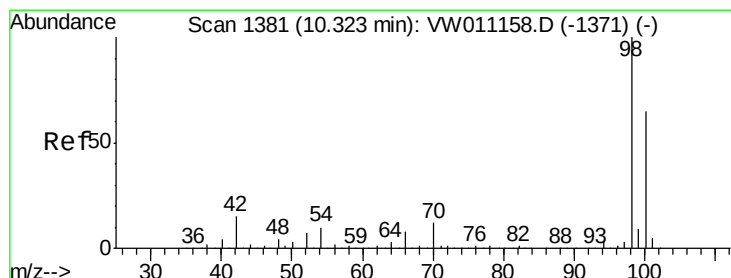
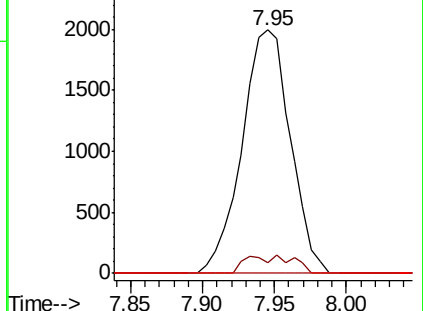
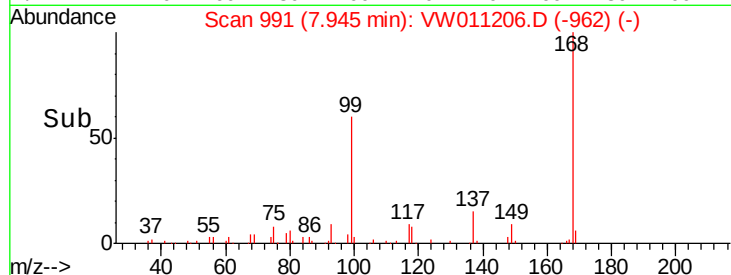
121 0.0 25.1 37.7#



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: 50.678 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011206.D

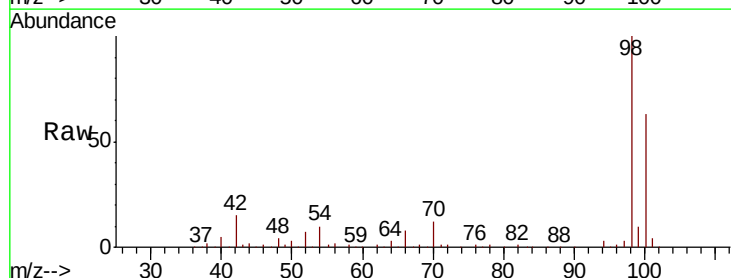
Acq: 10 Jul 2019 23:11

Tgt Ion: 98 Resp: 85788

Ion Ratio Lower Upper

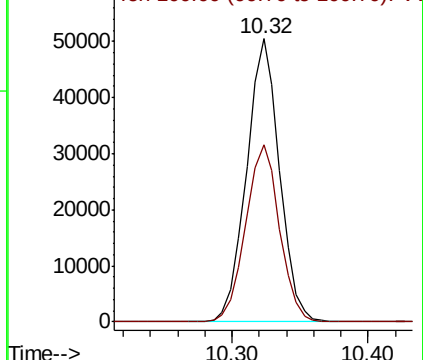
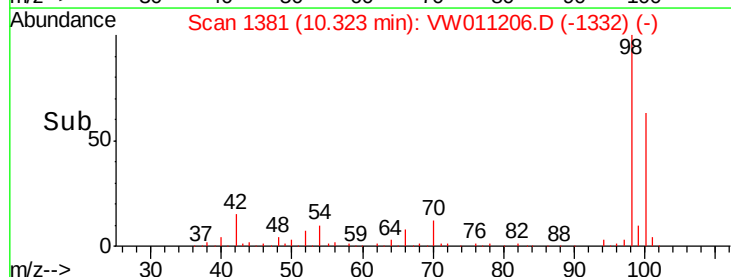
98 100

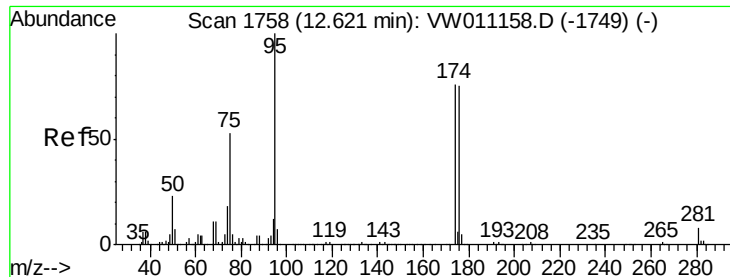
100 64.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 40.906 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011206.D

Acq: 10 Jul 2019 23:11

Instrument :

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ClientSampleId :

KY030LC001-SD-190709

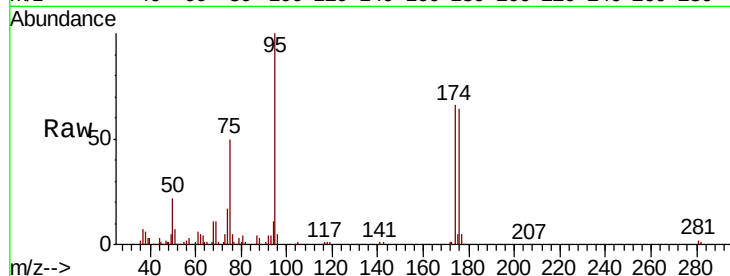
Tot Ion: 95 Resp: 25381

Ion Ratio Lower Upper

95 100

174 72.3 0.0 147.6

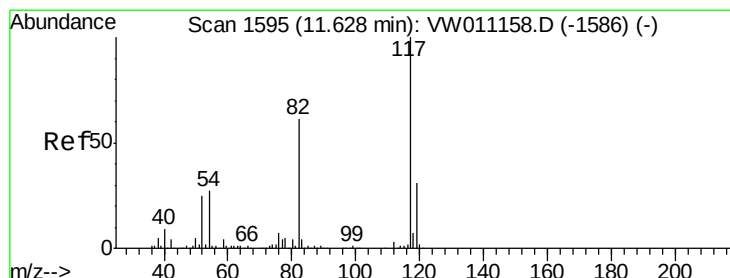
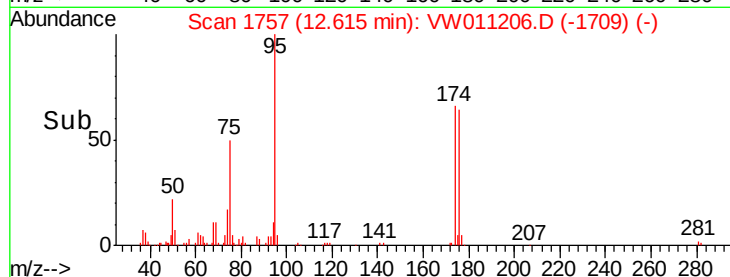
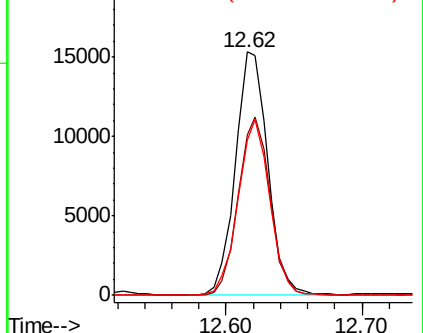
176 70.4 0.0 144.6



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# 1595

Delta R.T. 0.00 min

Lab File: VW011206.D

Acq: 10 Jul 2019 23:11

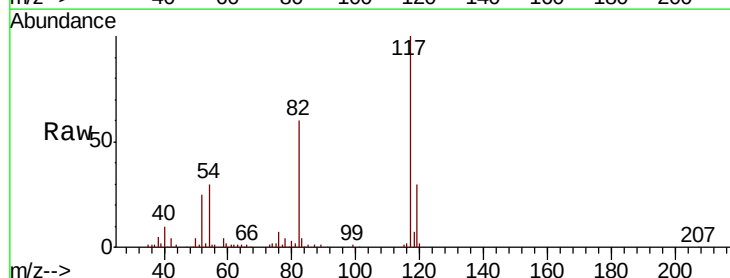
Tgt Ion: 117 Resp: 56732

Ion Ratio Lower Upper

117 100

82 60.3 48.9 73.3

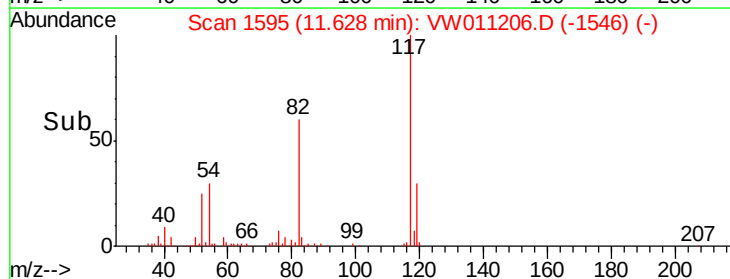
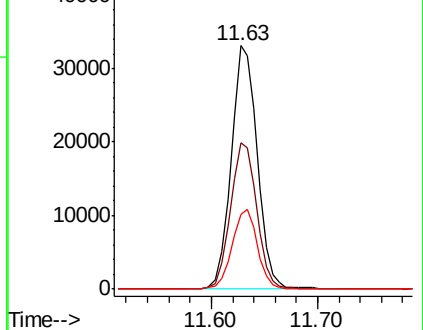
119 30.5 25.0 37.6

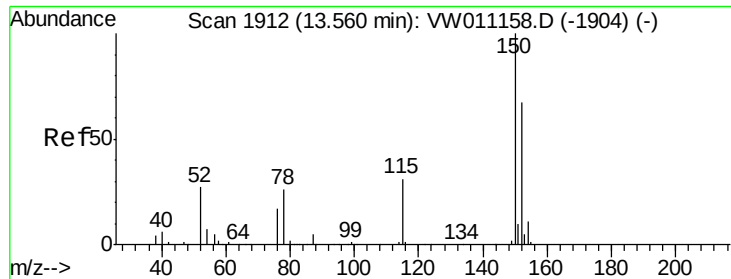


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011206.D

Acq: 10 Jul 2019 23:11

Instrument :

MSVOA_W

ClientSampleId :

KY030LC001-SD-190709

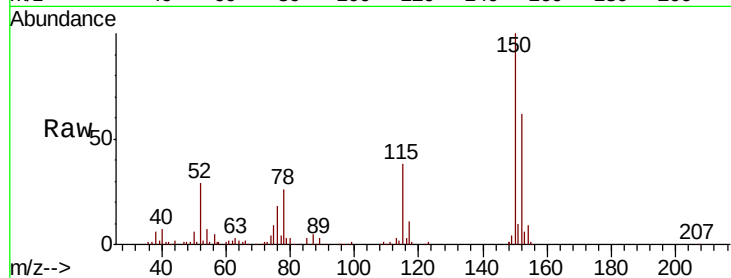
Tot Ion:152 Resp: 19045

Ion Ratio Lower Upper

152 100

115 63.5 30.1 90.3

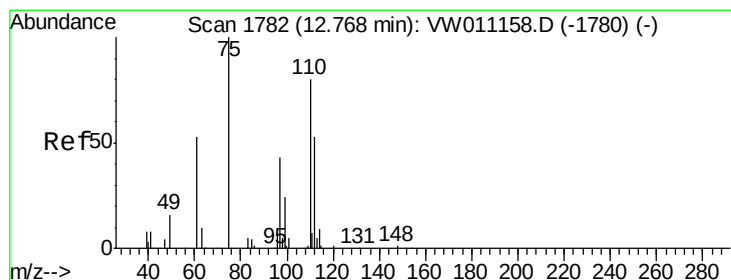
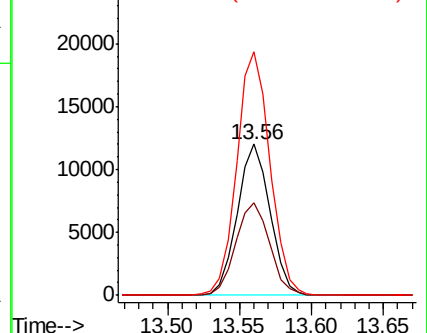
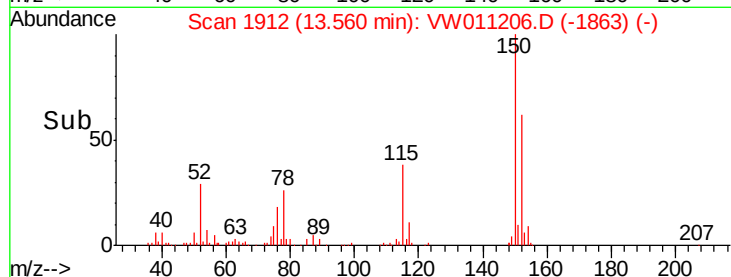
150 163.3 0.0 346.0



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: 59.689 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011206.D

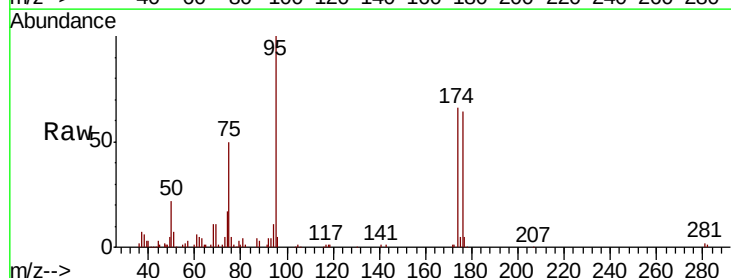
Acq: 10 Jul 2019 23:11

Tgt Ion: 75 Resp: 13137

Ion Ratio Lower Upper

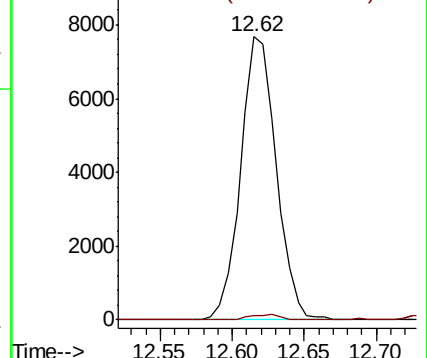
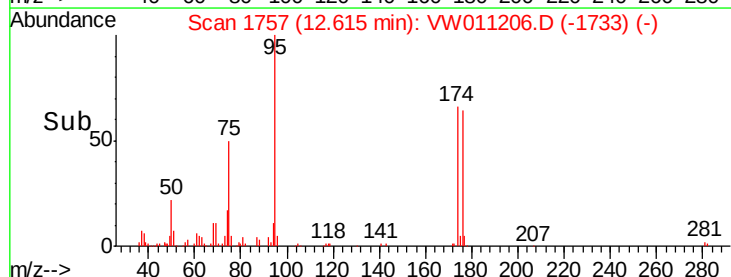
75 100

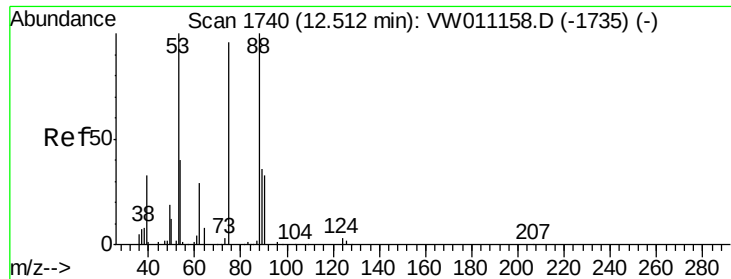
77 1.5 0.0 0.0#



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: 135.006 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011206.D

Acq: 10 Jul 2019 23:11

Instrument :

MSVOA_W

ClientSampleId :

KY030LC001-SD-190709

Tot Ion: 75 Resp: 13137

Ion Ratio Lower Upper

75 100

53 0.5 89.8 134.6#

89 0.0 34.3 51.5#

