

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011202.D
 Acq On : 10 Jul 2019 21:24
 Operator : SY/VA
 Sample : K3733-01
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709

Quant Time: Jul 11 08:08:29 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	185327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	316607	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119042	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	128602	55.22	ug/l	0.00
Spiked Amount			Recovery	=	110.44%	
35) Dibromofluoromethane	7.88	113	97557	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
50) Toluene-d8	10.32	98	391148	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.62	95	130250	46.59	ug/l	0.00
Spiked Amount			Recovery	=	93.18%	

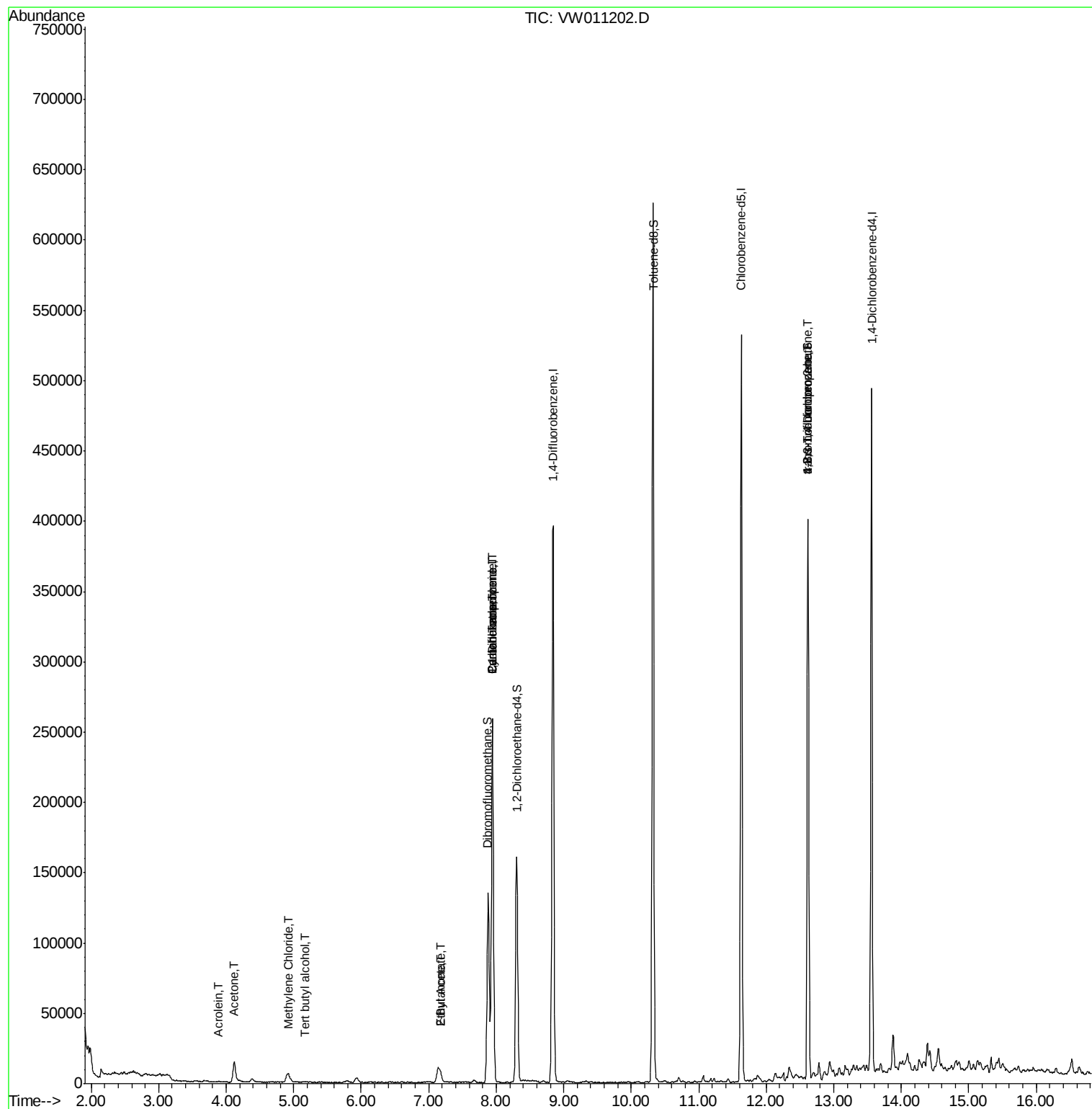
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	556	3.225	ug/l #	70
13) Acrolein	3.89	56	283	2.061	ug/l #	38
16) Acetone	4.12	43	27865	49.731	ug/l	99
20) Methylene Chloride	4.92	84	4972	2.249	ug/l #	88
25) 2-Butanone	7.18	43	10818	12.300	ug/l	96
31) Cyclohexane	7.94	56	4923	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16479	4.888	ug/l #	51
37) Ethyl Acetate	7.18	43	10818	5.340	ug/l #	72
38) Carbon Tetrachloride	7.94	117	18954	6.632	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	70924	51.555	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70924	116.609	ug/l #	6

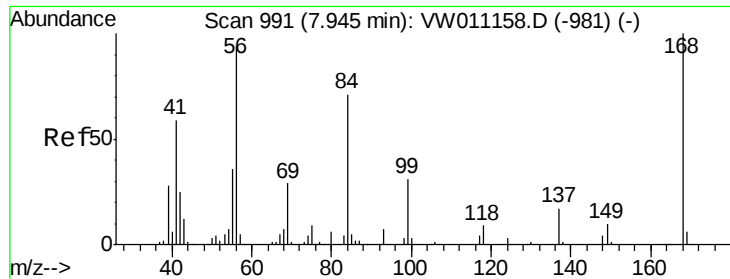
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011202.D

Acq: 10 Jul 2019 21:24

Instrument :

MSVOA_W

ClientSampleId :

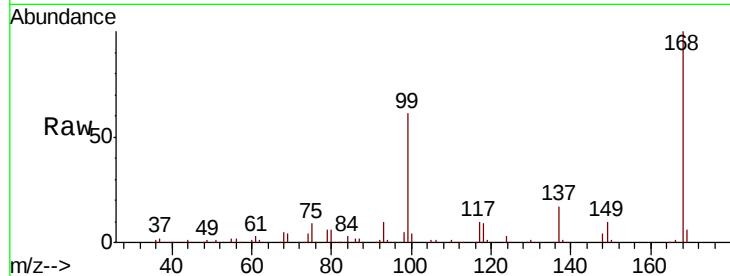
KY030LC068-SD-190709

Tot Ion:168 Resp: 185327

Ion Ratio Lower Upper

168 100

99 60.7 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

80000

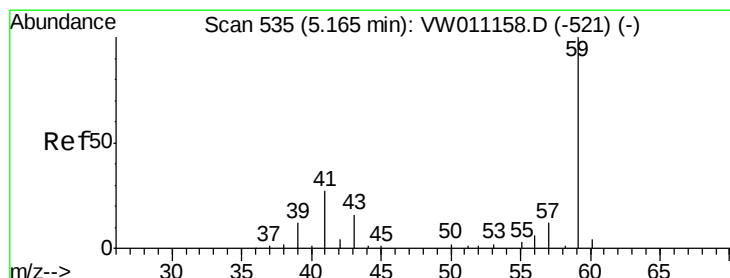
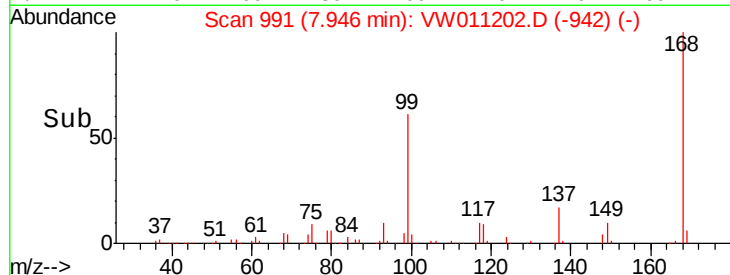
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 3.225 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW011202.D

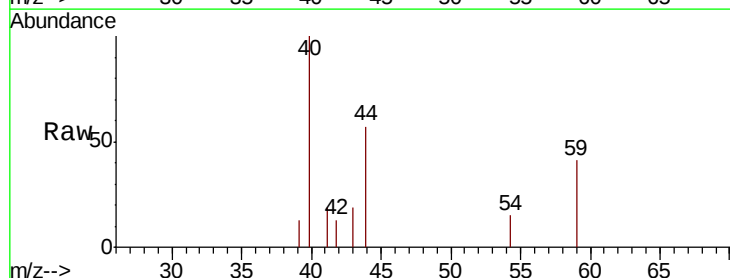
Acq: 10 Jul 2019 21:24

Tgt Ion: 59 Resp: 556

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

5.16

200

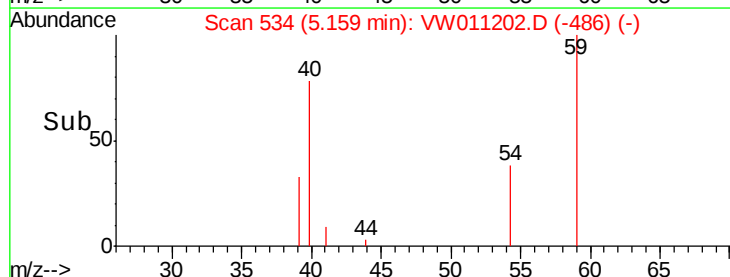
150

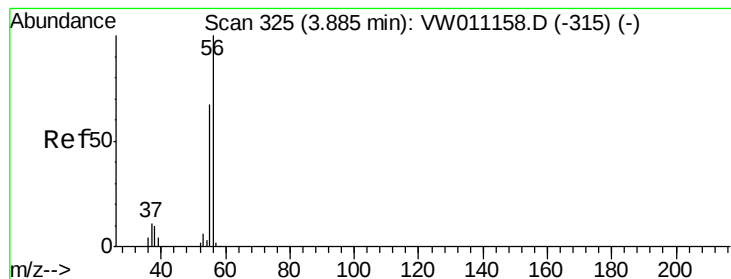
100

50

0

Time--> 5.10 5.15 5.20 5.25





#13

Acrolein

Concen: 2.061 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011202.D

Acq: 10 Jul 2019 21:24

Instrument :

MSVOA_W

ClientSampleId :

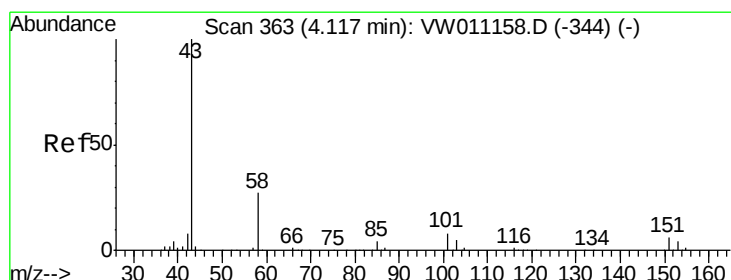
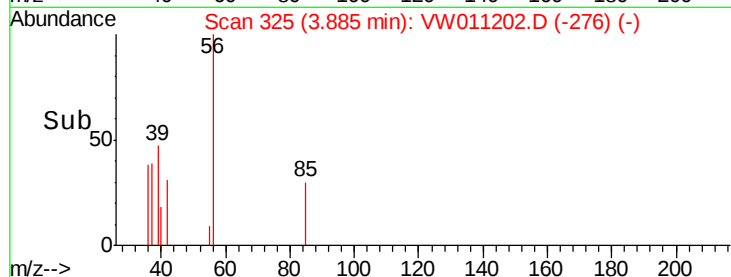
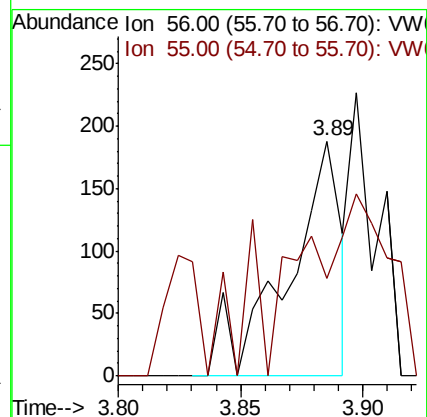
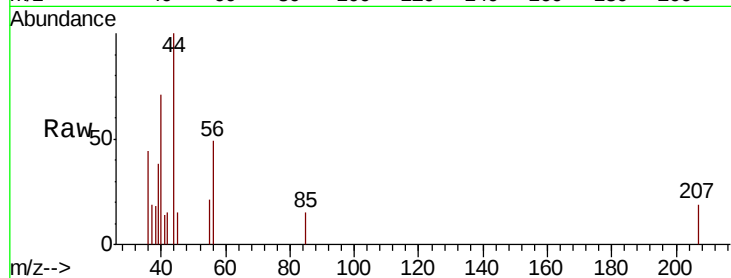
KY030LC068-SD-190709

Tot Ion: 56 Resp: 283

Ion Ratio Lower Upper

56 100

55 121.9 56.4 84.6#



#16

Acetone

Concen: 49.731 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011202.D

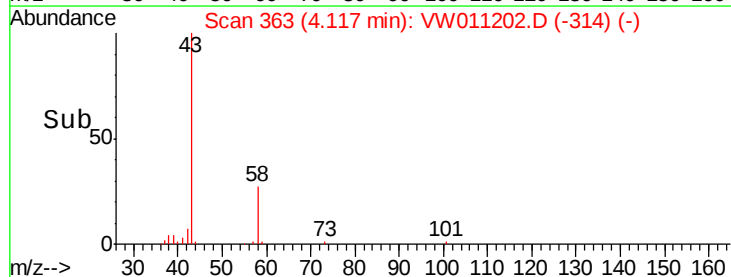
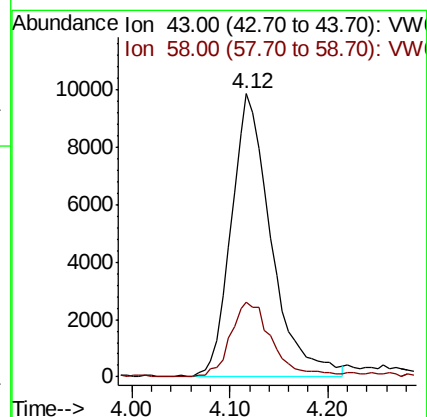
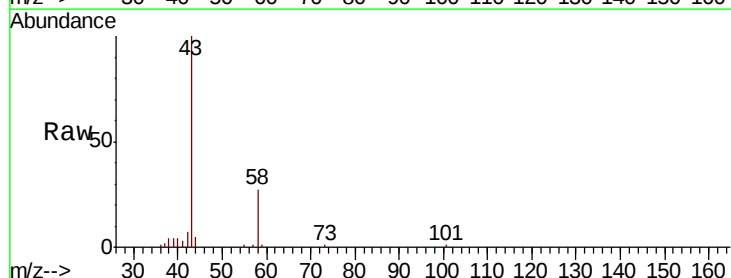
Acq: 10 Jul 2019 21:24

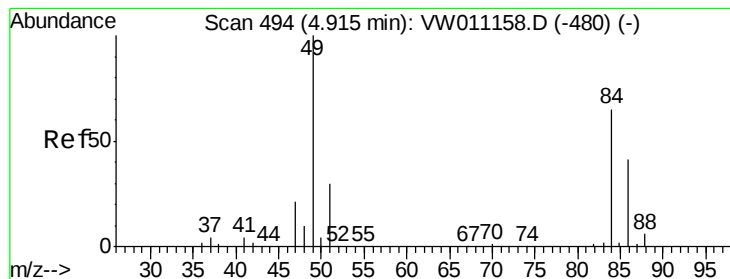
Tgt Ion: 43 Resp: 27865

Ion Ratio Lower Upper

43 100

58 26.5 21.8 32.6





#20

Methylene Chloride

Concen: 2.249 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW011202.D

Acq: 10 Jul 2019 21:24

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709

Tot Ion: 84 Resp: 4972

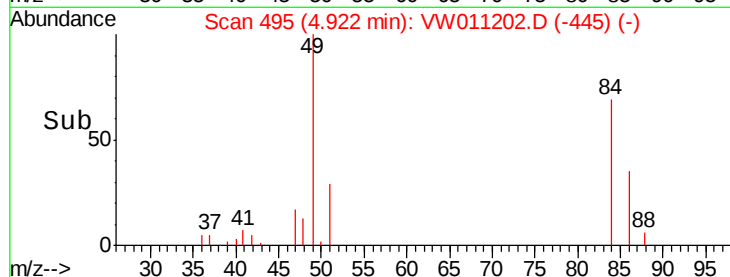
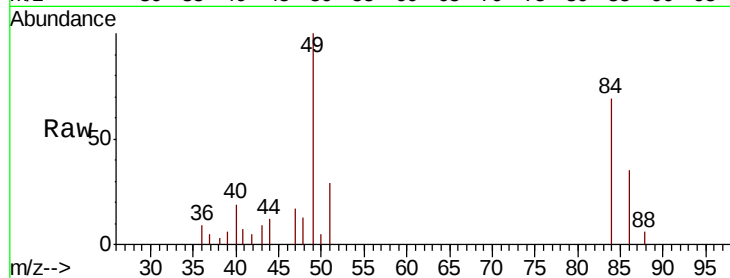
Ion Ratio Lower Upper

84 100

49 141.2 123.8 185.6

51 42.1 37.4 56.2

86 50.4 51.1 76.7#



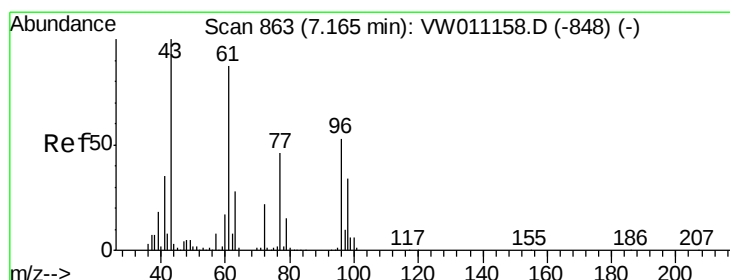
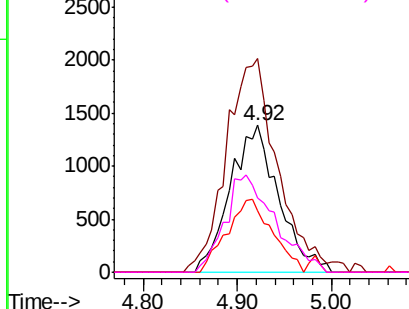
Abundance

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: 12.300 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011202.D

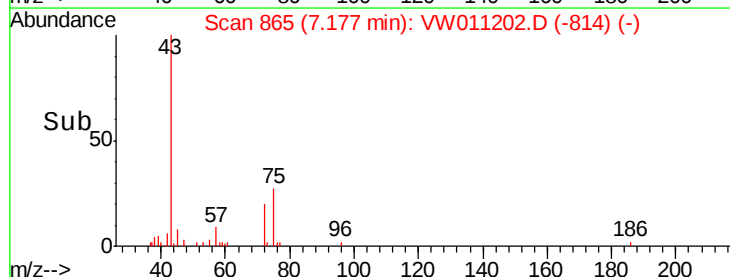
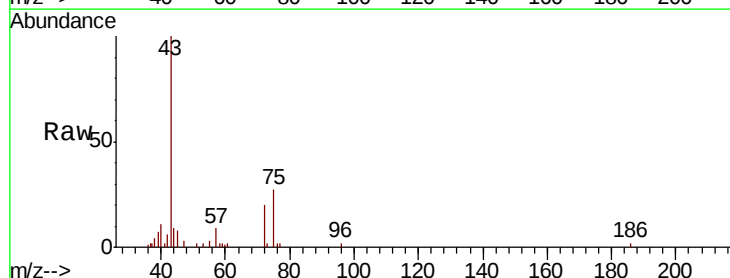
Acq: 10 Jul 2019 21:24

Tgt Ion: 43 Resp: 10818

Ion Ratio Lower Upper

43 100

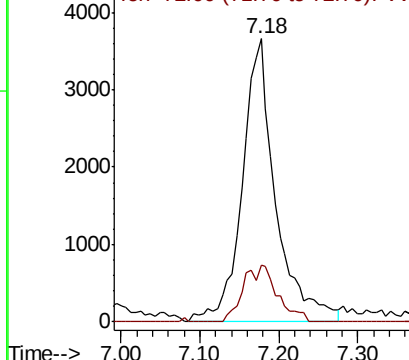
72 20.2 17.6 26.4

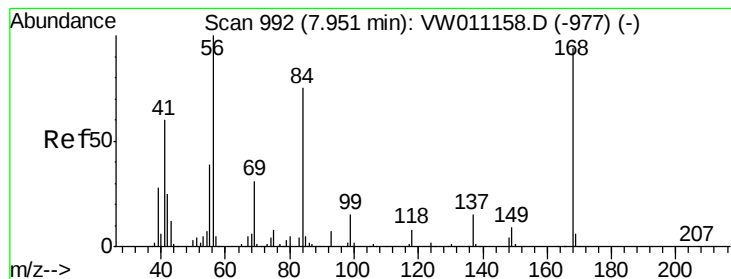


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cvclohexane

Concen: 1.091 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011202.D

Acq: 10 Jul 2019 21:24

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KY030LC068-SD-190709

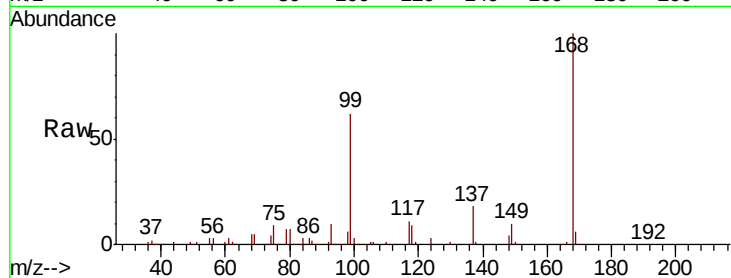
Tot Ion: 56 Resp: 4923

Ion Ratio Lower Upper

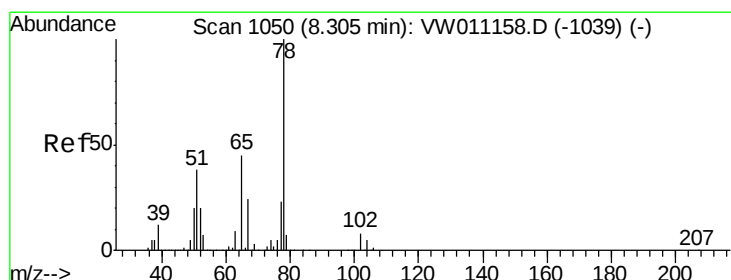
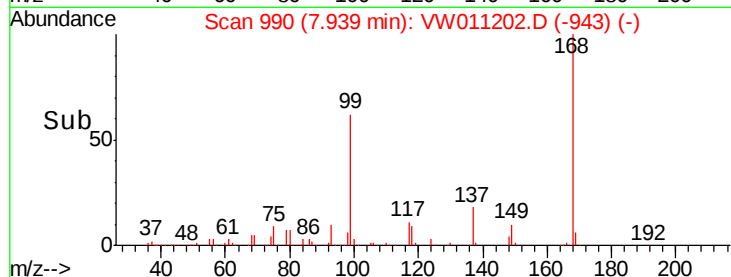
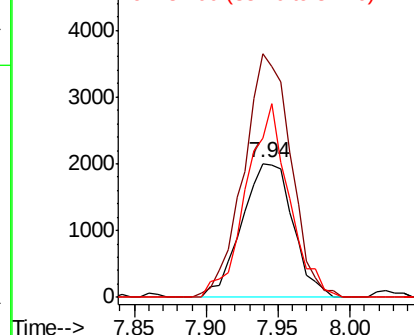
56 100

69 181.5 24.6 36.8#

84 118.2 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: 55.225 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011202.D

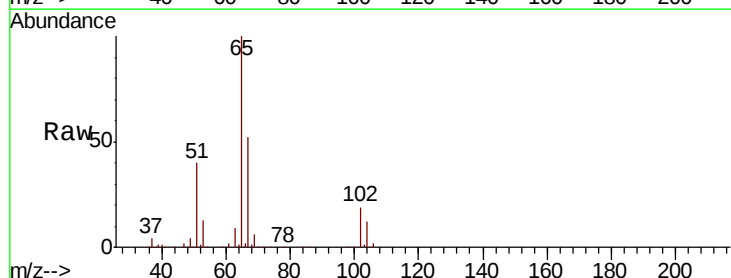
Acq: 10 Jul 2019 21:24

Tgt Ion: 65 Resp: 128602

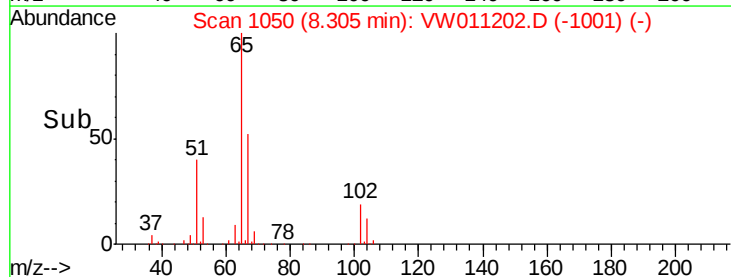
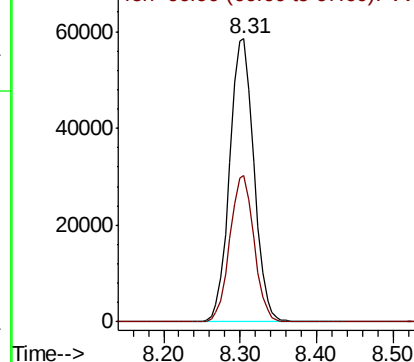
Ion Ratio Lower Upper

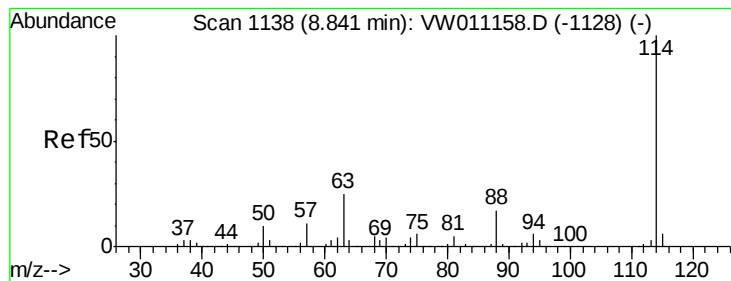
65 100

67 51.5 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: VW011202.D

Acq: 10 Jul 2019 21:24

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709

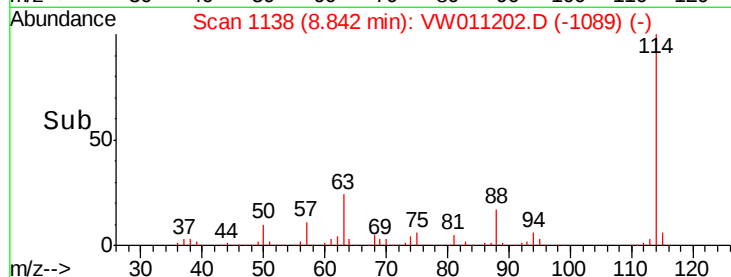
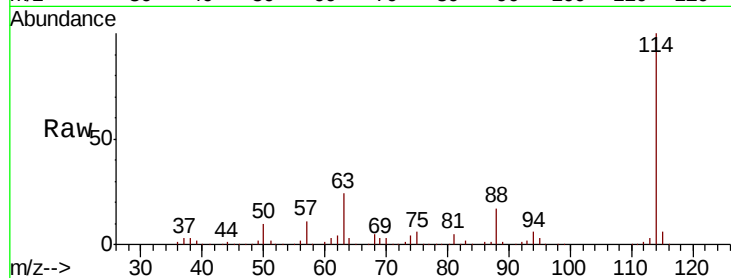
Tot Ion:114 Resp: 316607

Ion Ratio Lower Upper

114 100

63 24.5 0.0 50.8

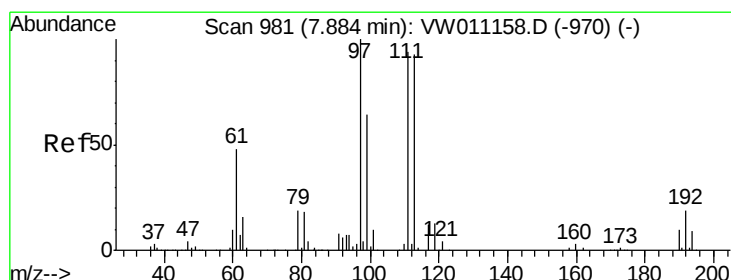
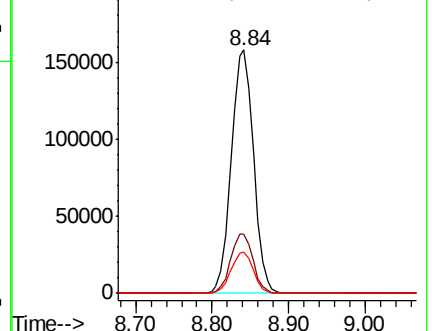
88 17.1 0.0 34.2



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: 51.696 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011202.D

Acq: 10 Jul 2019 21:24

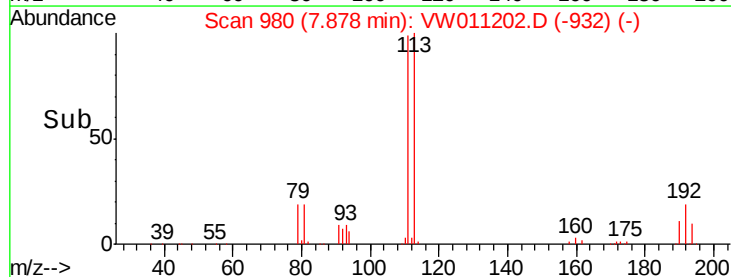
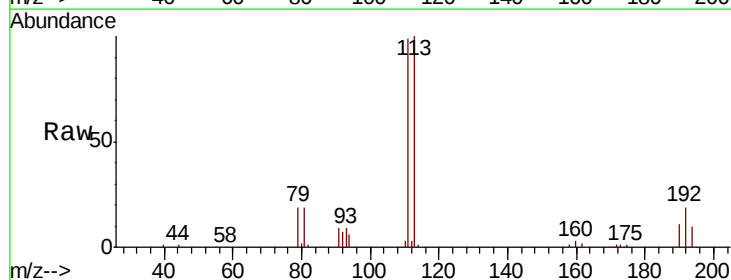
Tgt Ion:113 Resp: 97557

Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

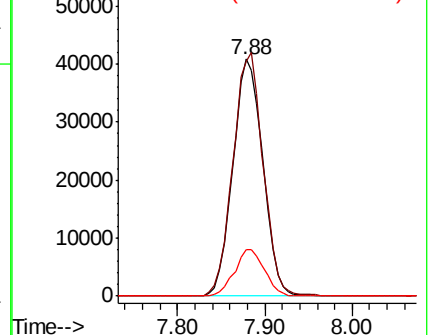
192 19.7 15.8 23.8

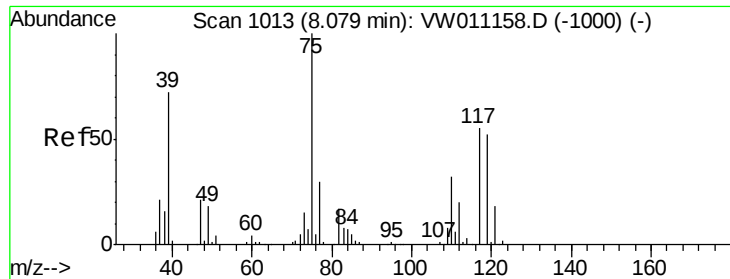


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

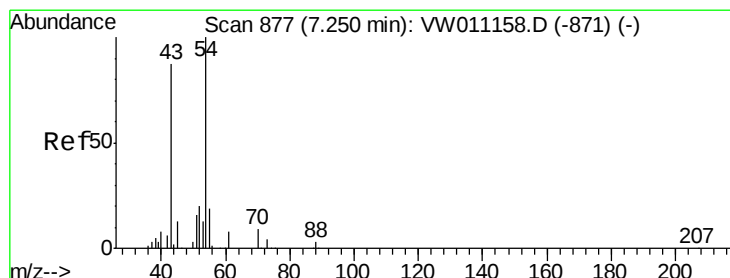
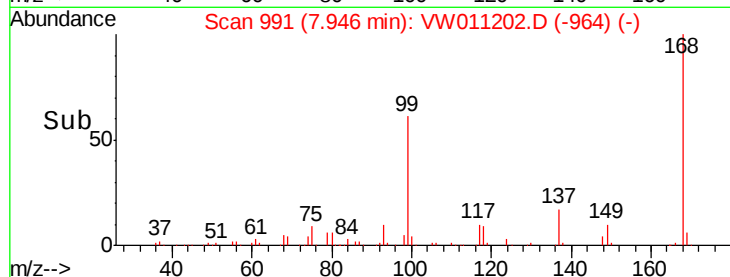
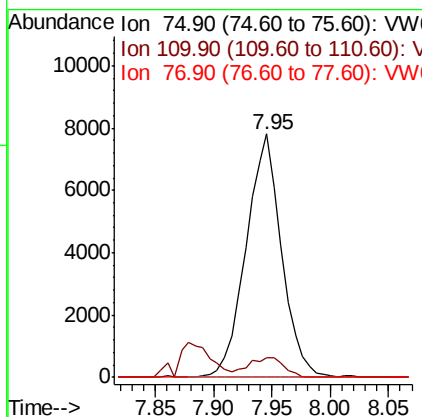
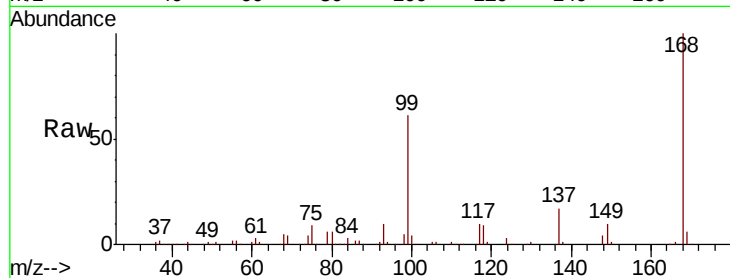




#36
 1,1-Dichloropropene
 Concen: 4.888 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011202.D
 Acq: 10 Jul 2019 21:24

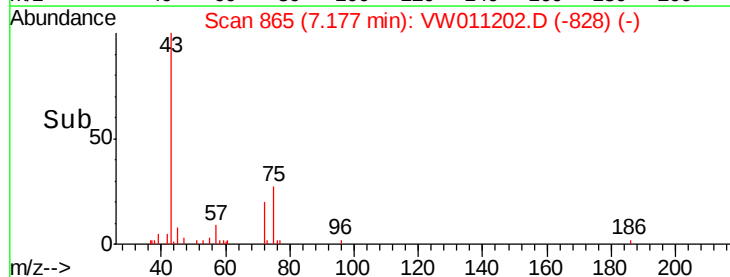
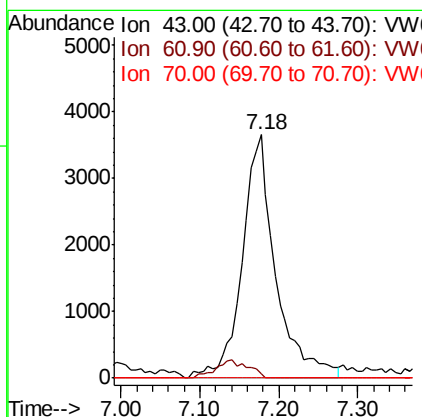
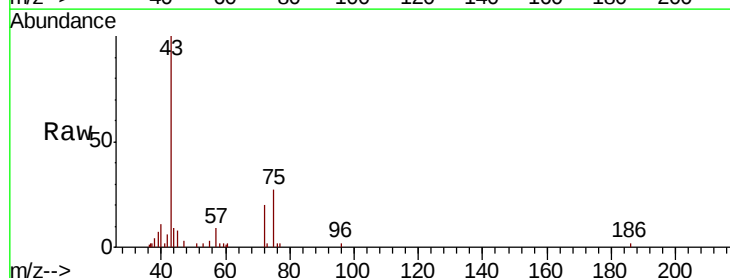
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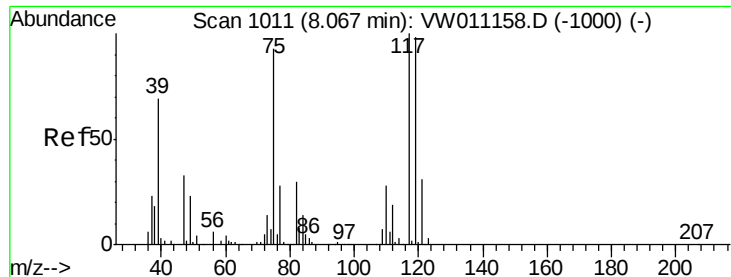
Tot Ion: 75 Resp: 16479
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.9 47.6#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 5.340 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW011202.D
 Acq: 10 Jul 2019 21:24

Tgt Ion: 43 Resp: 10818
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.5 14.3#
 70 0.0 7.1 10.7#

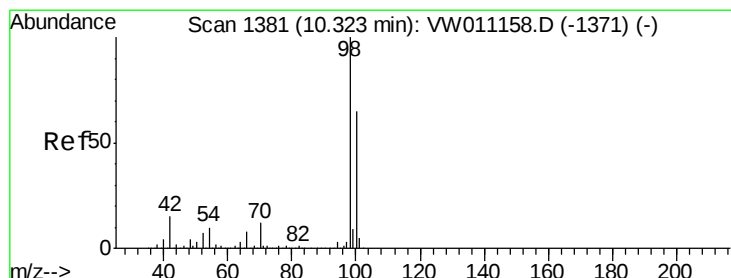
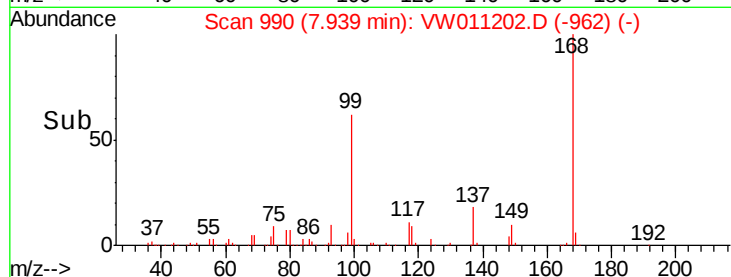
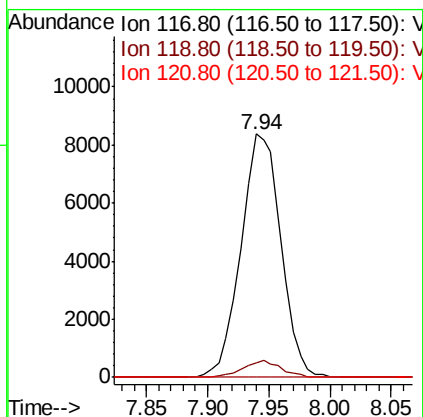
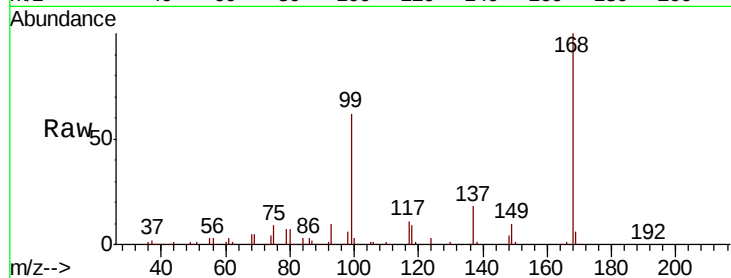




#38
Carbon Tetrachloride
Concen: 6.632 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW011202.D
Acq: 10 Jul 2019 21:24

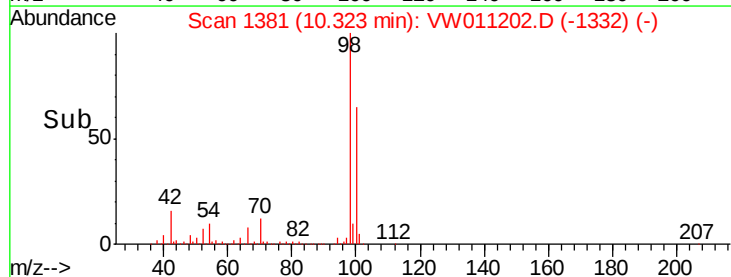
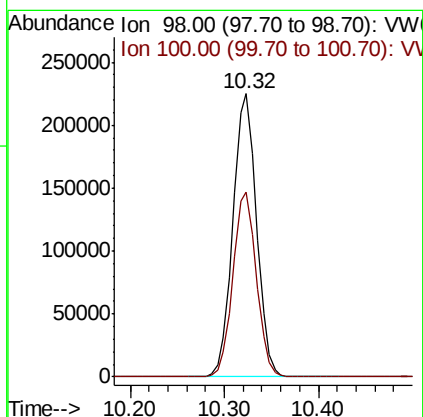
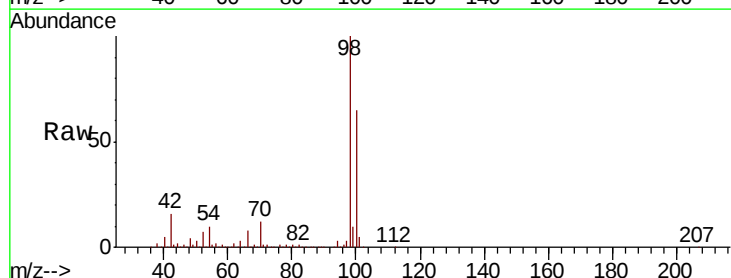
Instrument :
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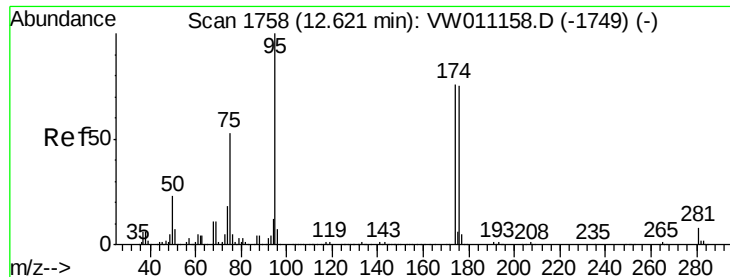
Tot Ion:117 Resp: 18954
Ion Ratio Lower Upper
117 100
119 5.8 78.1 117.1#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 51.278 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011202.D
Acq: 10 Jul 2019 21:24

Tgt Ion: 98 Resp: 391148
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 46.585 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011202.D

Acq: 10 Jul 2019 21:24

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709

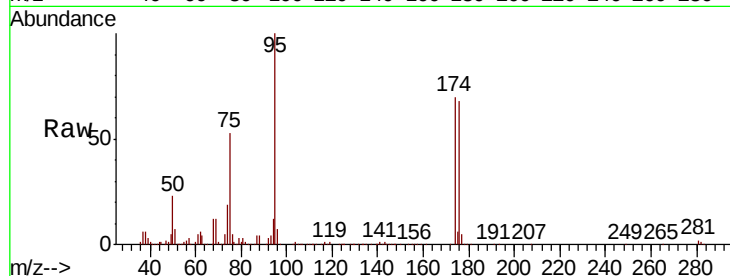
Tot Ion: 95 Resp: 130250

Ion Ratio Lower Upper

95 100

174 75.7 0.0 147.6

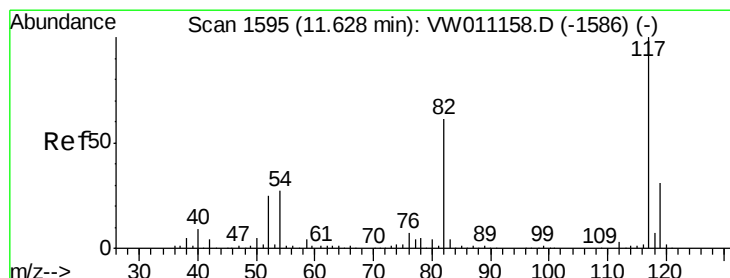
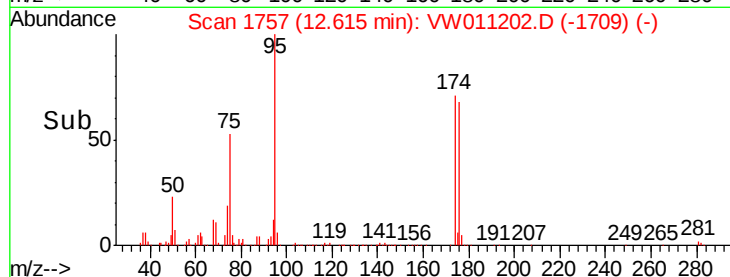
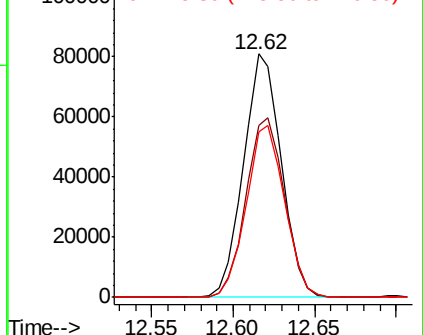
176 72.1 0.0 144.6



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: VW011202.D

Acq: 10 Jul 2019 21:24

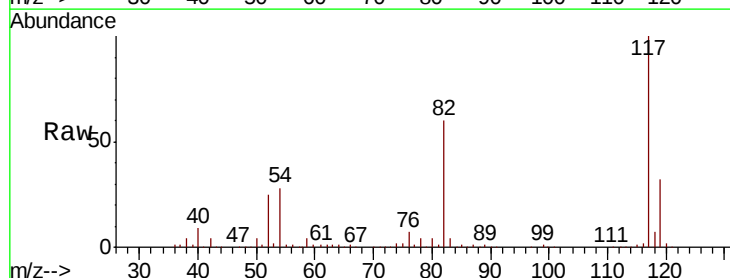
Tgt Ion: 117 Resp: 270229

Ion Ratio Lower Upper

117 100

82 60.2 48.9 73.3

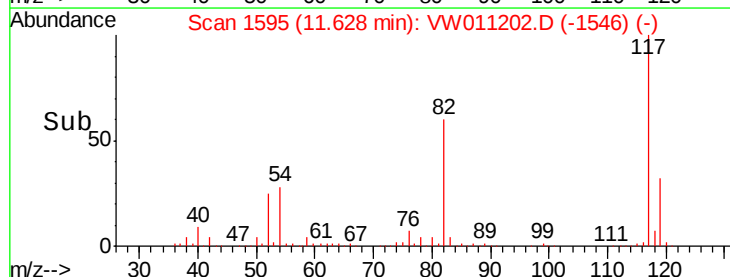
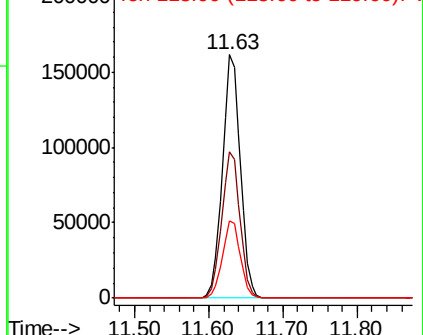
119 32.0 25.0 37.6

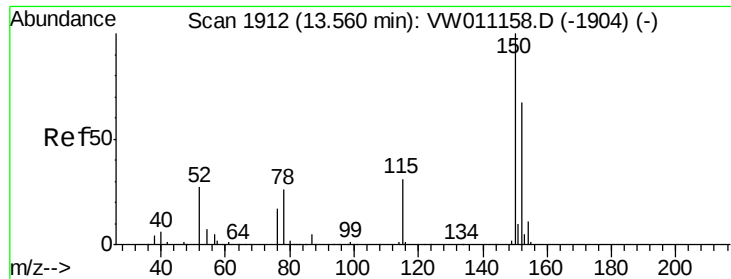


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011202.D

Acq: 10 Jul 2019 21:24

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709

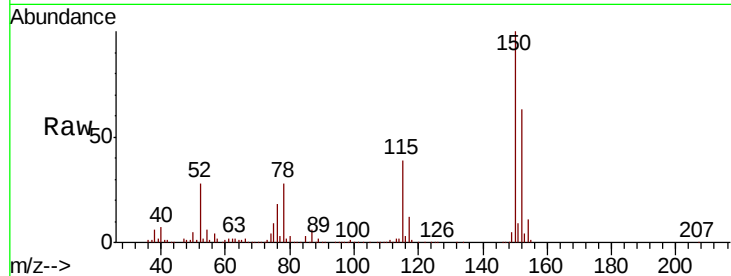
Tot Ion:152 Resp: 119042

Ion Ratio Lower Upper

152 100

115 60.8 30.1 90.3

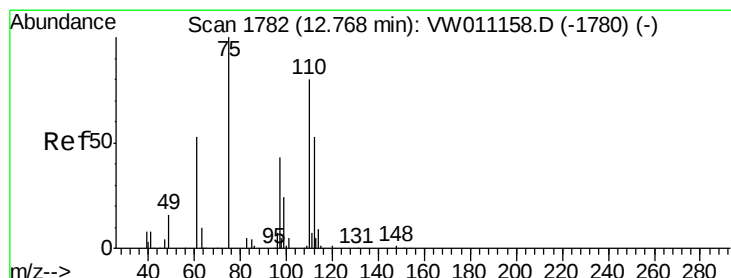
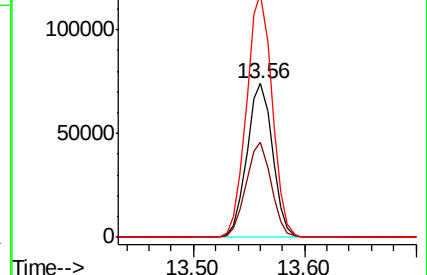
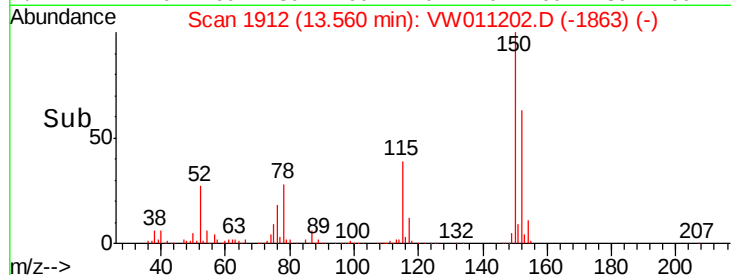
150 157.5 0.0 346.0



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: 51.555 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011202.D

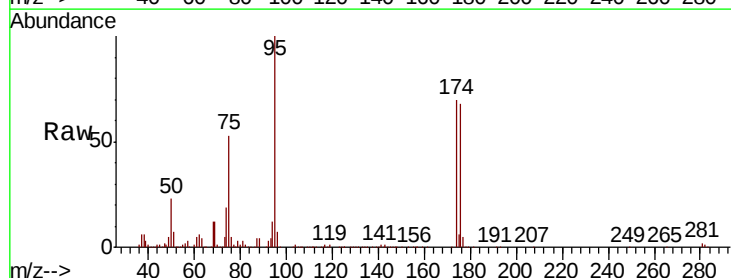
Acq: 10 Jul 2019 21:24

Tgt Ion: 75 Resp: 70924

Ion Ratio Lower Upper

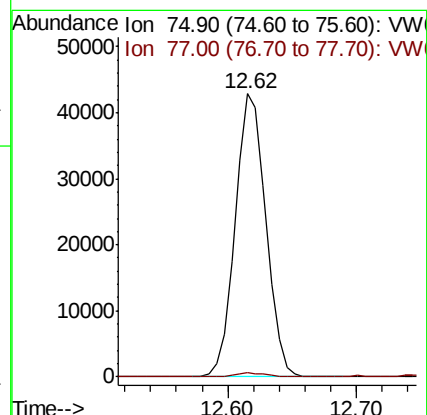
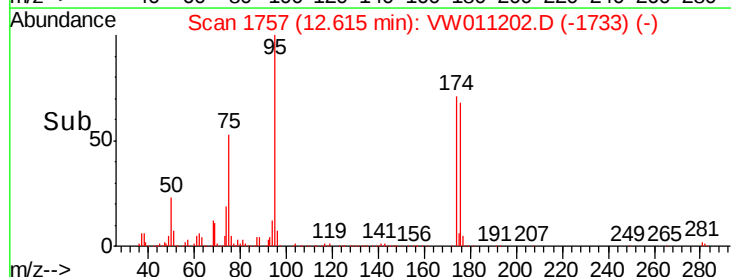
75 100

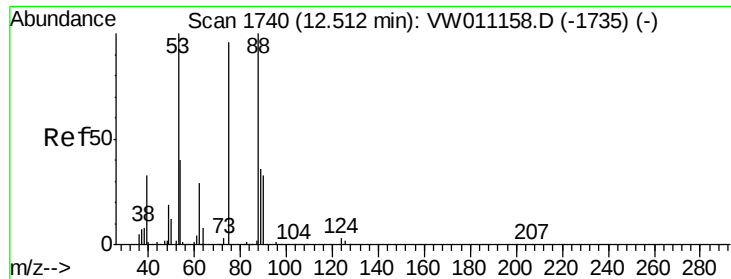
77 1.5 0.0 0.0#



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: 116.609 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011202.D

Acq: 10 Jul 2019 21:24

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709

Tot Ion: 75 Resp: 70924

Ion Ratio Lower Upper

75 100

53 0.3 89.8 134.6#

89 0.0 34.3 51.5#

