

Data File : VL034187.D
Acq On : 18 Sep 2019 17:48
Operator : SY/AP
Sample : QC CAN 10281
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC CAN 10281

Quant Time: Sep 19 06:51:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1200240	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1968173	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	1980151	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1776006	10.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

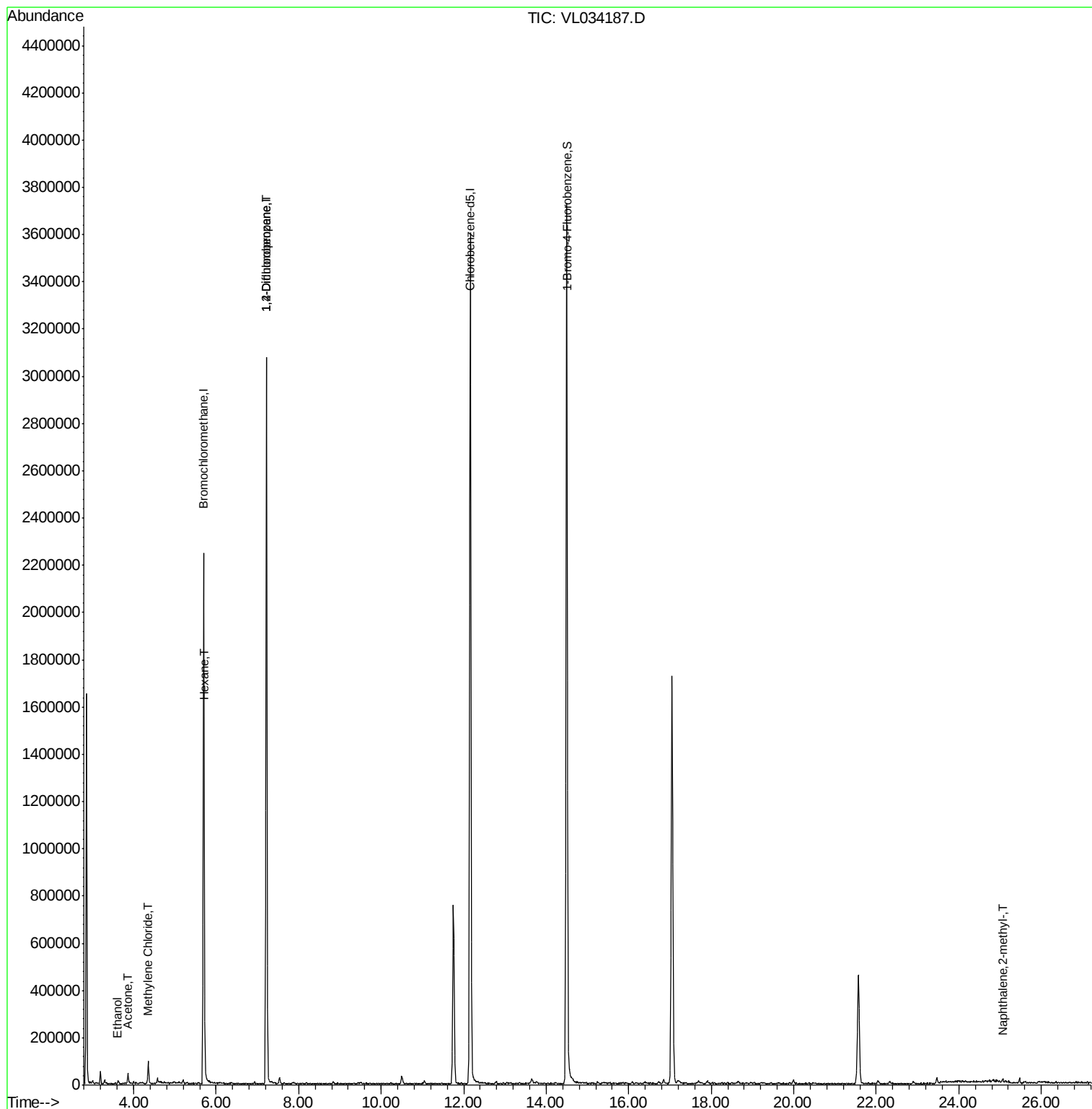
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.60	45	778	0.046	ppbv #	36
15) Acetone	3.86	43	24693	0.154	ppbv #	49
20) Methylene Chloride	4.35	84	28131	0.607	ppbv #	85
26) Hexane	5.72	57	18501	0.146	ppbv #	42
39) 1,2-Dichloropropane	7.22	63	651181	6.667	ppbv #	20
80) Naphthalene,2-methyl-	25.05	142	7104	0.057	ppbv #	87

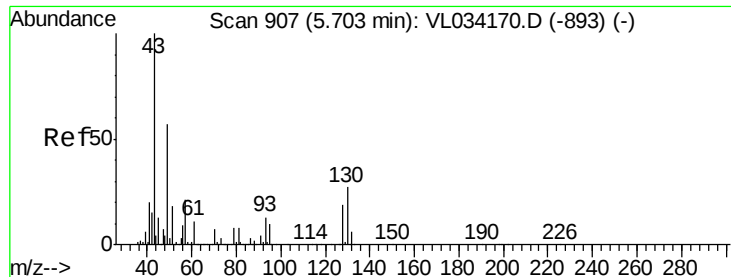
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL034187.D
Acq On : 18 Sep 2019 17:48
Operator : SY/AP
Sample : QC CAN 10281
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC CAN 10281

Quant Time: Sep 19 06:51:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL034187.D

Acq: 18 Sep 2019 17:48

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10281

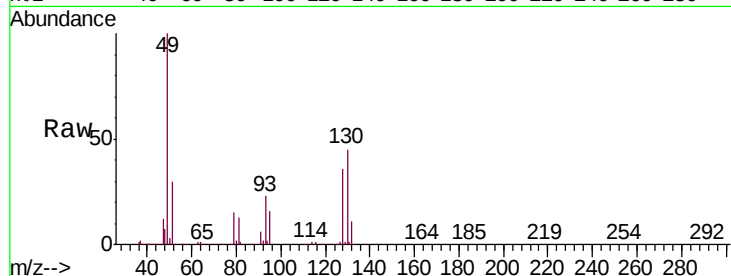
Tgt Ion: 49 Resp: 1200240

Ion Ratio Lower Upper

49 100

128 34.8 17.6 52.9

130 44.5 22.3 66.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.70

800000

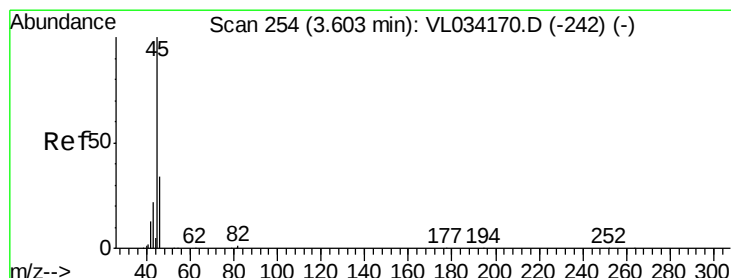
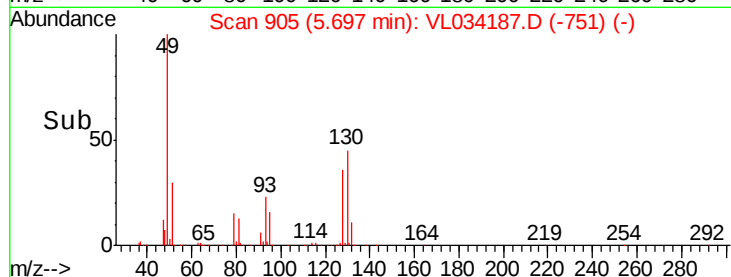
600000

400000

200000

0

Time--> 5.60 5.65 5.70 5.75



#13

Ethanol

Concen: 0.046 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL034187.D

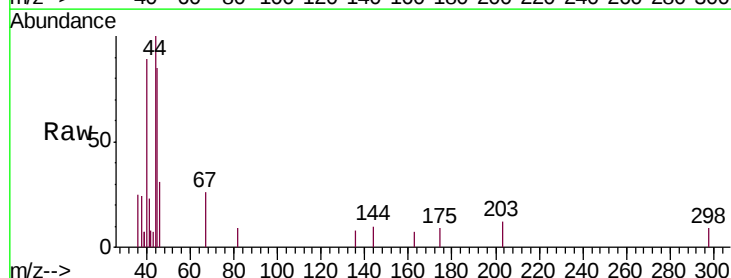
Acq: 18 Sep 2019 17:48

Tgt Ion: 45 Resp: 778

Ion Ratio Lower Upper

45 100

46 0.0 15.5 61.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

4000

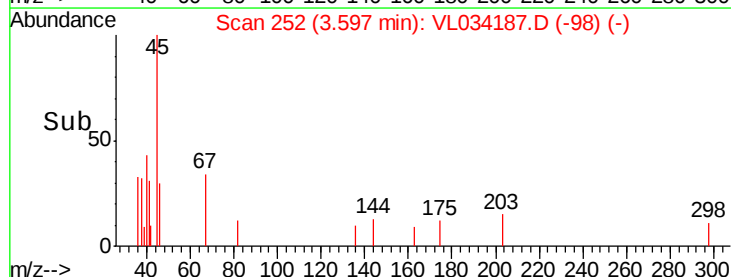
3000

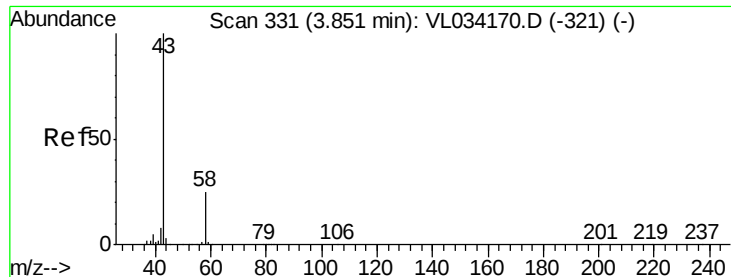
2000

1000

0

Time--> 3.58 3.59 3.60





#15

Acetone

Concen: 0.154 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL034187.D

Acq: 18 Sep 2019 17:48

Instrument :

MSVOA_L

ClientSampleId :

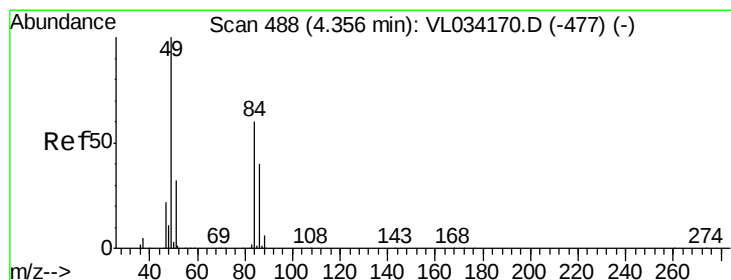
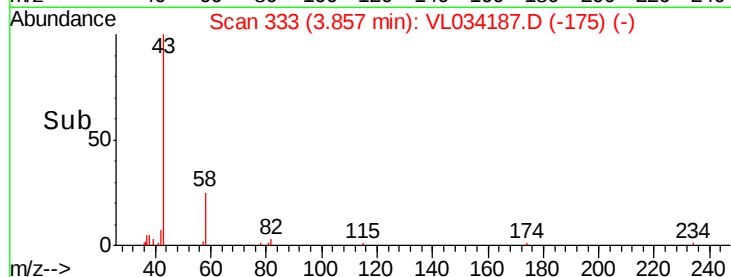
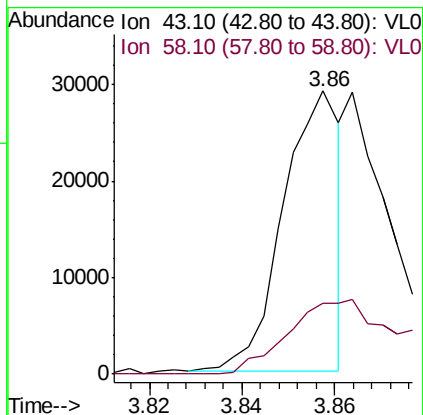
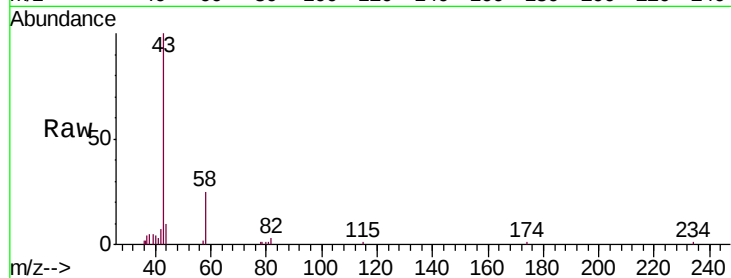
QC CAN 10281

Tgt Ion: 43 Resp: 24693

Ion Ratio Lower Upper

43 100

58 0.0 20.5 30.7#



#20

Methylene Chloride

Concen: 0.607 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL034187.D

Acq: 18 Sep 2019 17:48

Tgt Ion: 84 Resp: 28131

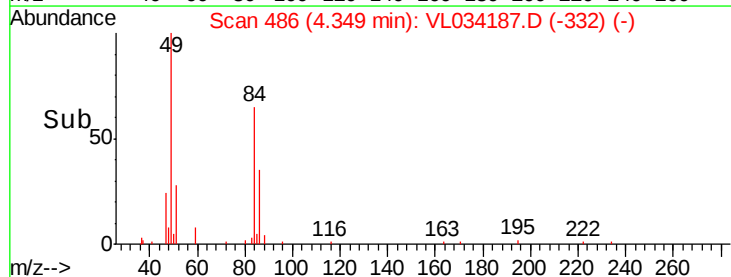
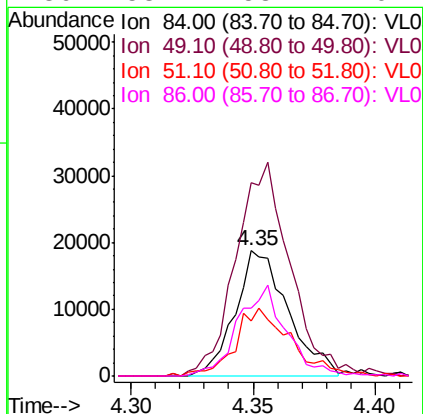
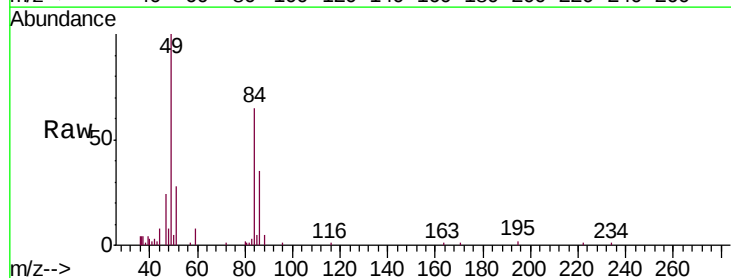
Ion Ratio Lower Upper

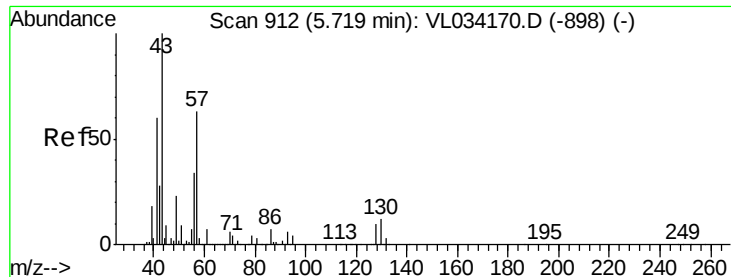
84 100

49 150.4 133.8 200.8

51 40.3 43.6 65.4#

86 53.7 53.1 79.7





#26

Hexane

Concen: 0.146 ppbv

RT: 5.72 min Scan# 911

Delta R.T. -0.00 min

Lab File: VL034187.D

Acq: 18 Sep 2019 17:48

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10281

Tgt Ion: 57 Resp: 18501

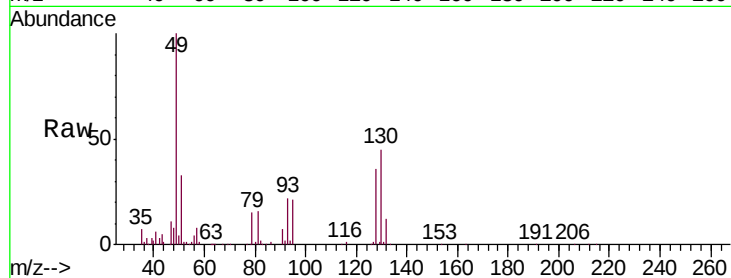
Ion Ratio Lower Upper

57 100

41 99.1 78.5 117.7

43 78.4 189.5 284.3#

56 52.5 43.2 64.8

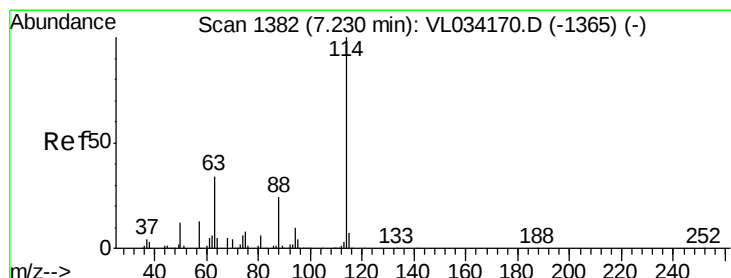
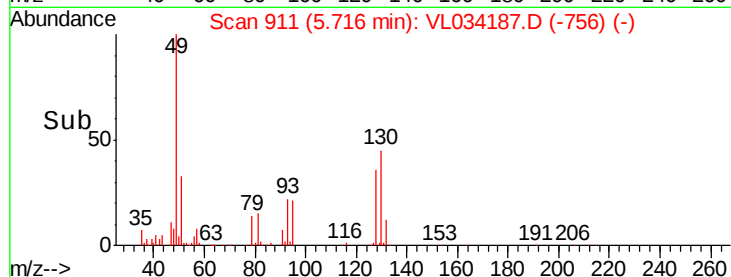
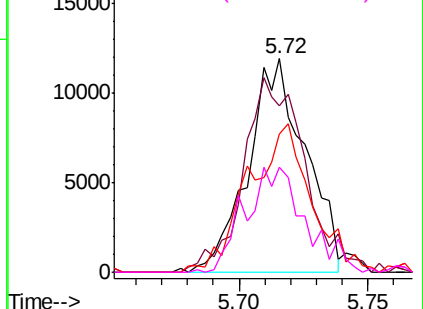


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.22 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VL034187.D

Acq: 18 Sep 2019 17:48

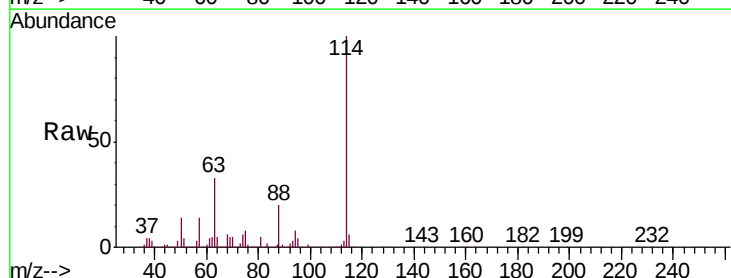
Tgt Ion: 114 Resp: 1968173

Ion Ratio Lower Upper

114 100

63 33.3 27.8 41.6

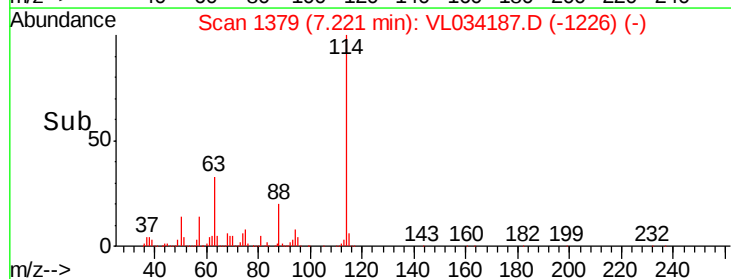
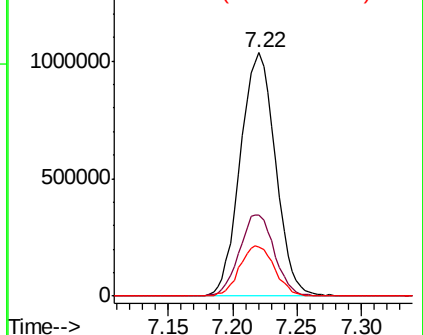
88 20.6 17.1 25.7

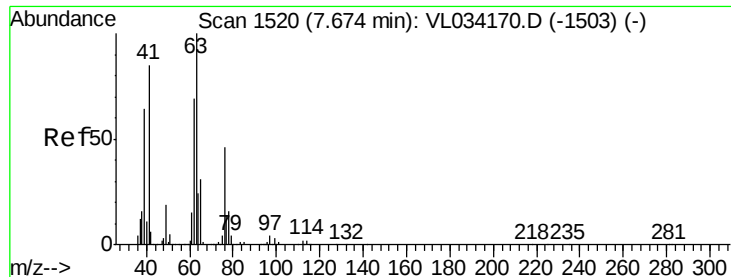


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 6.667 ppbv

RT: 7.22 min Scan# 1378

Delta R.T. -0.46 min

Lab File: VL034187.D

Acq: 18 Sep 2019 17:48

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10281

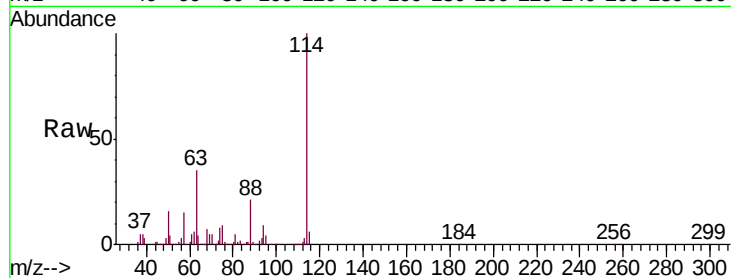
Tgt Ion: 63 Resp: 651181

Ion Ratio Lower Upper

63 100

41 0.0 68.4 102.6#

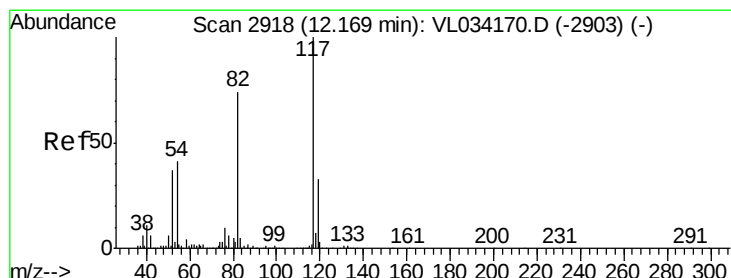
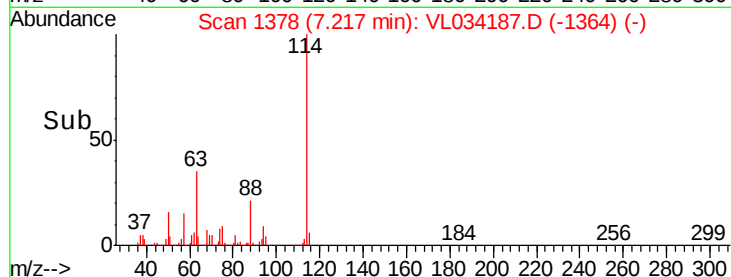
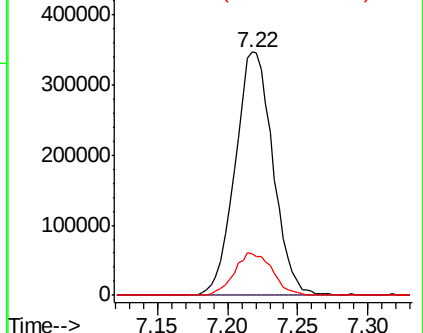
62 16.8 55.4 83.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2915

Delta R.T. -0.01 min

Lab File: VL034187.D

Acq: 18 Sep 2019 17:48

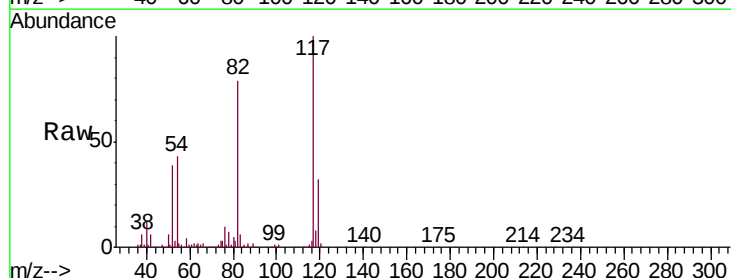
Tgt Ion: 117 Resp: 1980151

Ion Ratio Lower Upper

117 100

82 77.2 58.2 87.4

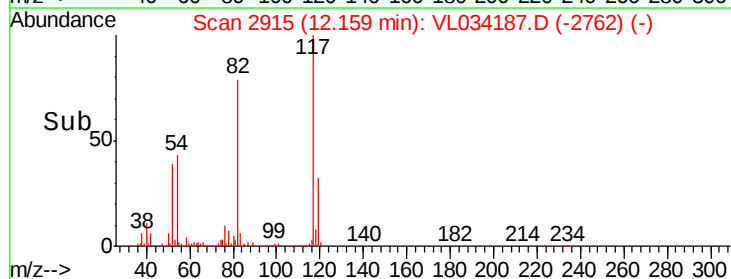
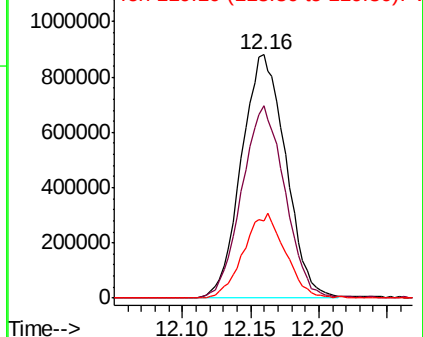
119 33.1 23.7 35.5

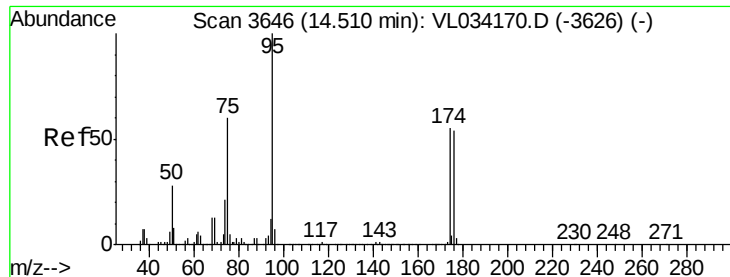


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

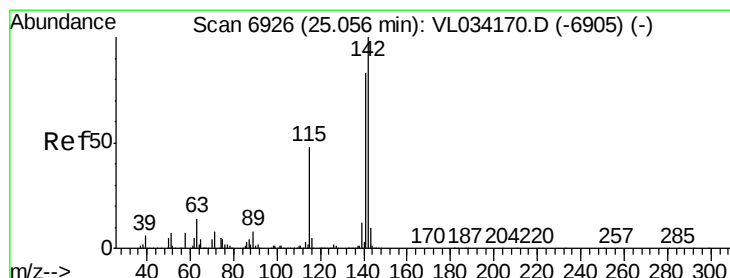
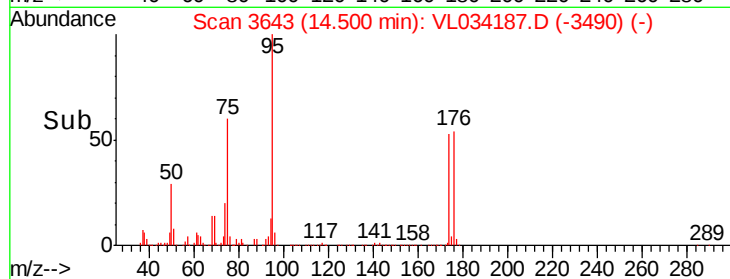
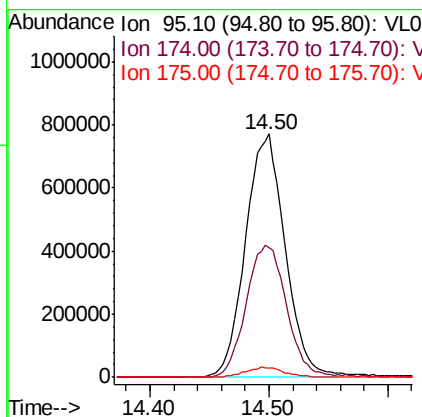
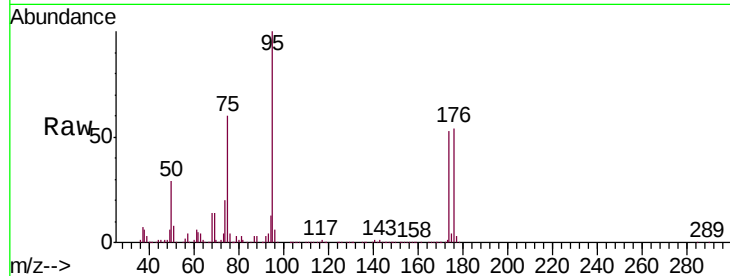




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.322 ppbv
 RT: 14.50 min Scan# 3643
 Delta R.T. -0.01 min
 Lab File: VL034187.D
 Acq: 18 Sep 2019 17:48

Instrument :
 MSVOA_L
 ClientSampleId :
 QC CAN 10281

Tgt Ion: 95 Resp: 1776006
 Ion Ratio Lower Upper
 95 100
 174 56.4 45.1 67.7
 175 4.1 3.3 4.9



#80
 Naphthalene, 2-methyl-
 Concen: 0.057 ppbv
 RT: 25.05 min Scan# 6925
 Delta R.T. -0.00 min
 Lab File: VL034187.D
 Acq: 18 Sep 2019 17:48

Tgt Ion: 142 Resp: 7104
 Ion Ratio Lower Upper
 142 100
 141 88.4 67.6 101.4
 115 64.4 36.9 55.3#

