

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030520\
 Data File : VL034799.D
 Acq On : 5 Mar 2020 17:09
 Operator : SY/AP
 Sample : L1704-05DL2 200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5-4DL2

Quant Time: Mar 06 11:56:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	999192	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	2088229	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2099439	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1722178	9.84	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

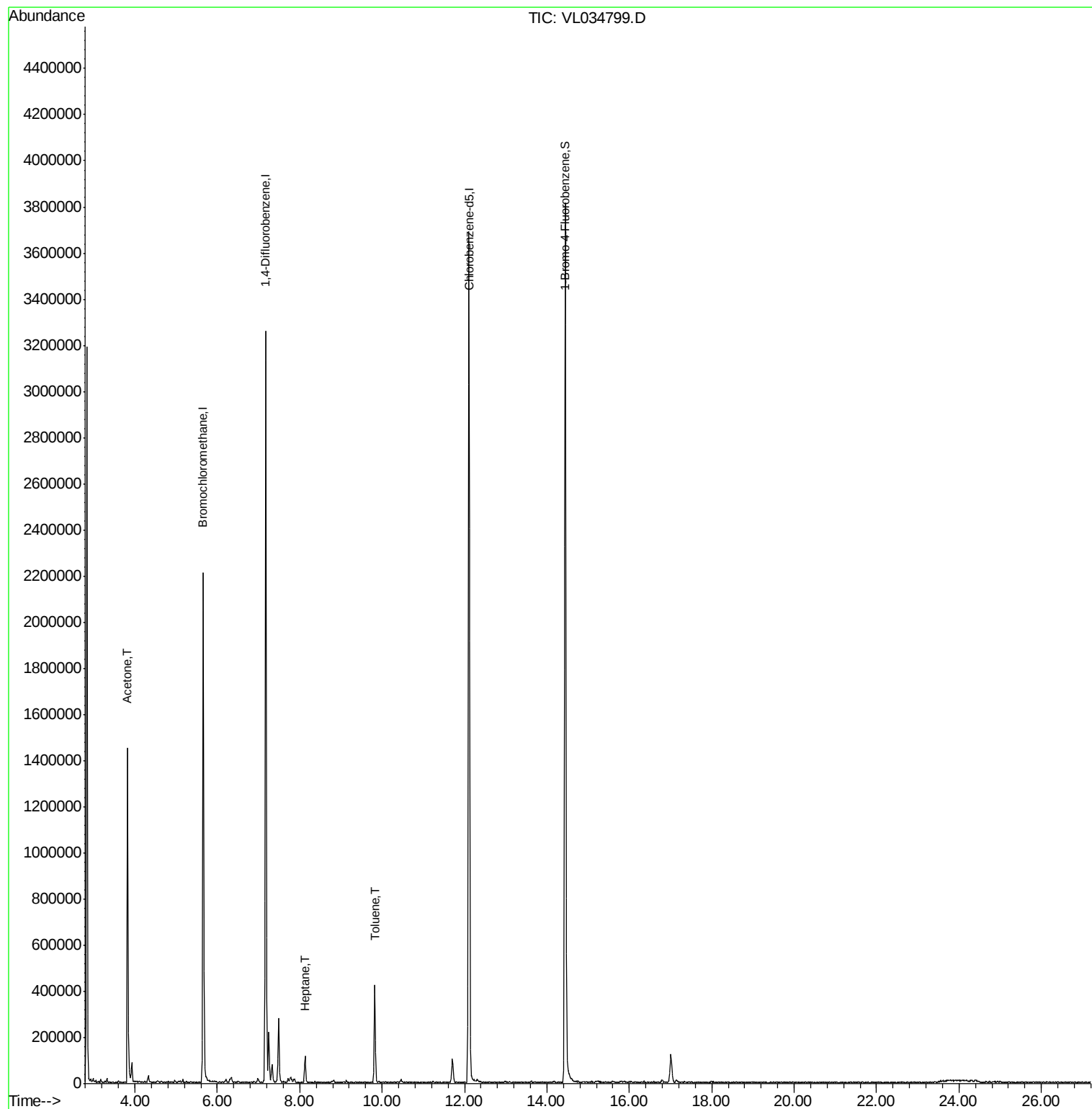
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.13	43	35648	0.313	ppbv	95
15) Acetone	3.82	43	1485036	12.411	ppbv	100
53) Toluene	9.82	91	288826	1.529	ppbv	98

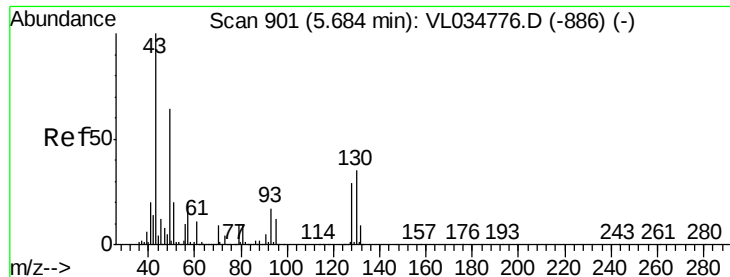
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL034799.D

Acq: 5 Mar 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

IA-5-4DL2

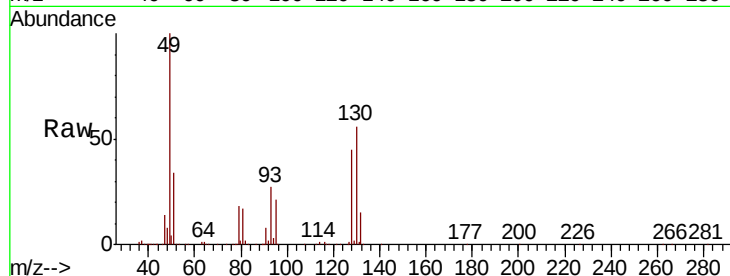
Tot Ion: 49 Resp: 999192

Ion Ratio Lower Upper

49 100

128 44.6 21.6 64.6

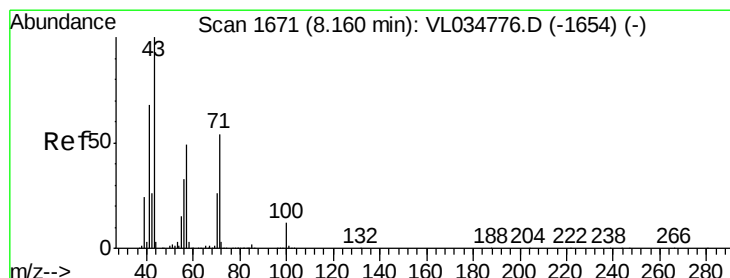
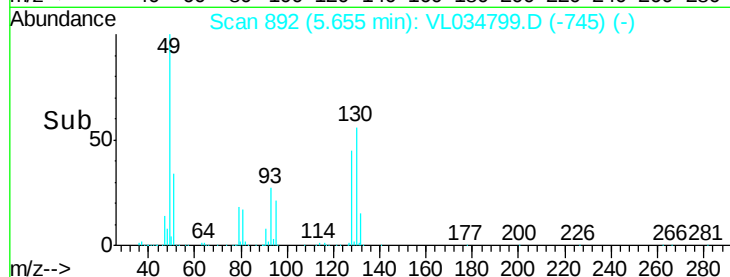
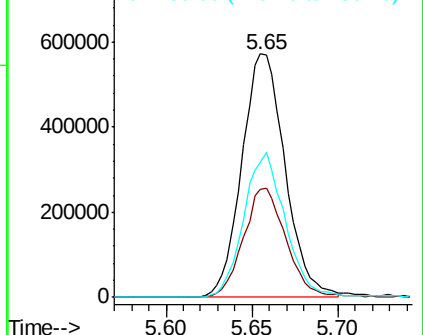
130 57.7 27.4 82.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#10

Heptane

Concen: 0.313 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.03 min

Lab File: VL034799.D

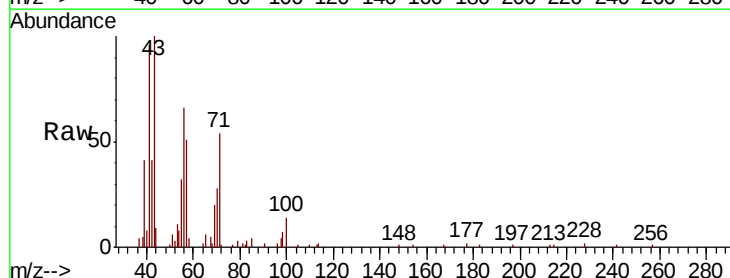
Acq: 5 Mar 2020 17:09

Tgt Ion: 43 Resp: 35648

Ion Ratio Lower Upper

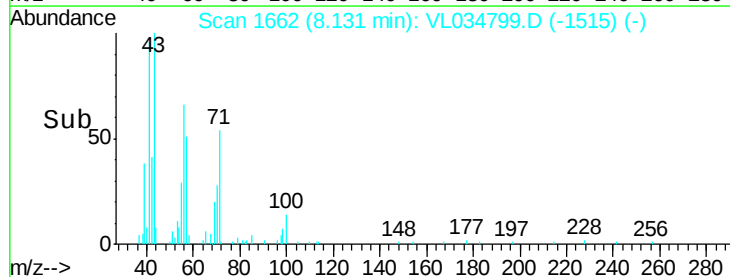
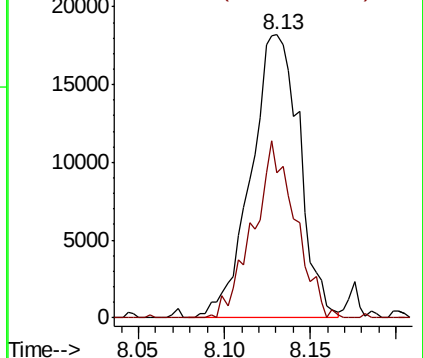
43 100

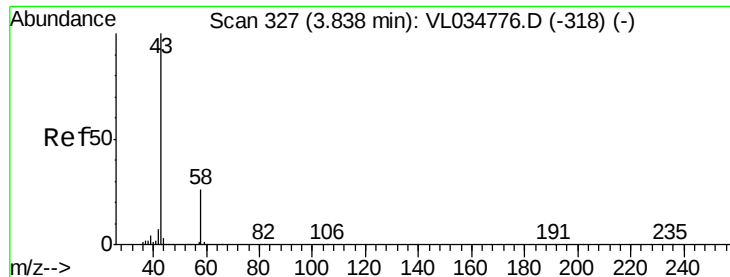
57 54.1 40.5 60.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#15

Acetone

Concen: 12.411 ppbv

RT: 3.82 min Scan# 321

Delta R.T. -0.02 min

Lab File: VL034799.D

Acq: 5 Mar 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

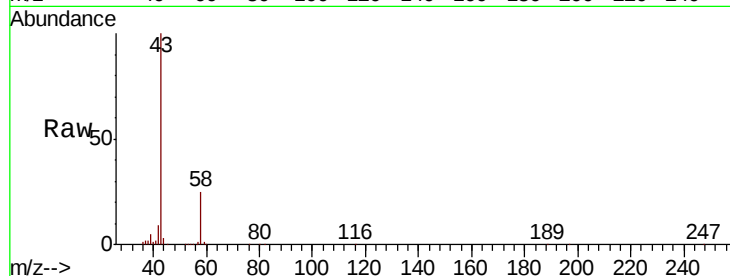
IA-5-4DL2

Tot Ion: 43 Resp: 1485036

Ion Ratio Lower Upper

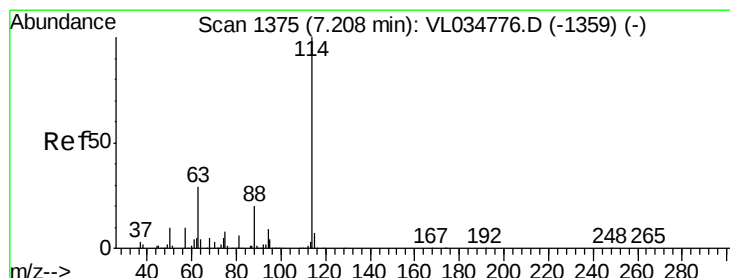
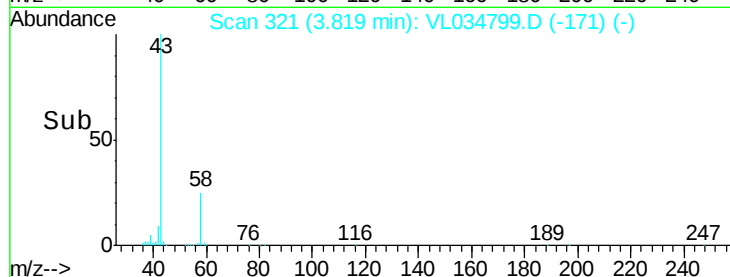
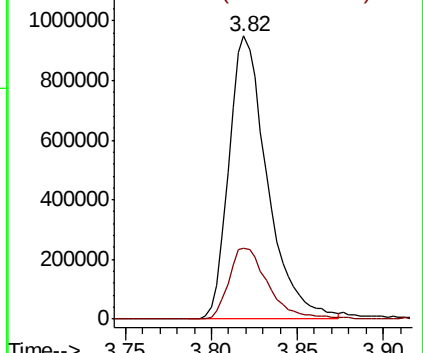
43 100

58 26.1 21.0 31.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.03 min

Lab File: VL034799.D

Acq: 5 Mar 2020 17:09

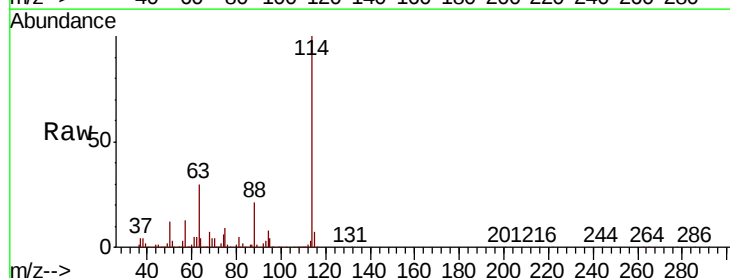
Tgt Ion: 114 Resp: 2088229

Ion Ratio Lower Upper

114 100

63 29.6 23.6 35.4

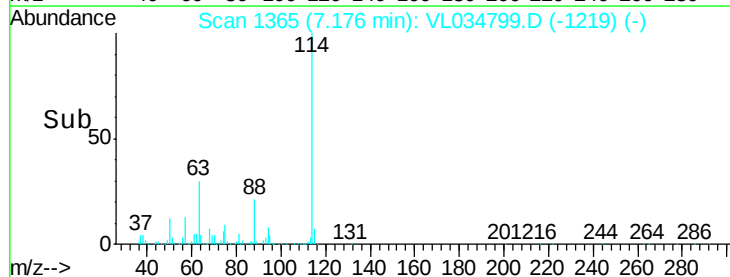
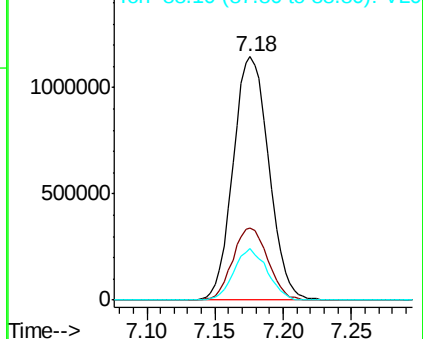
88 19.7 15.8 23.8

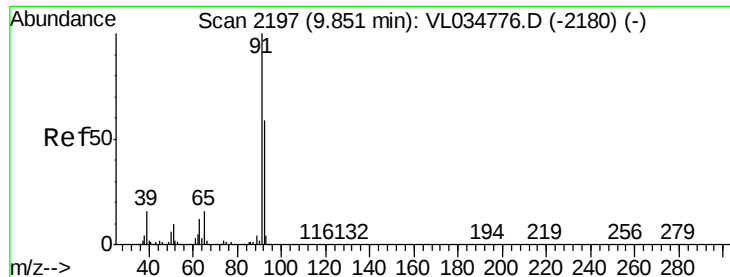


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#53

Toluene

Concen: 1.529 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.03 min

Lab File: VL034799.D

Acq: 5 Mar 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

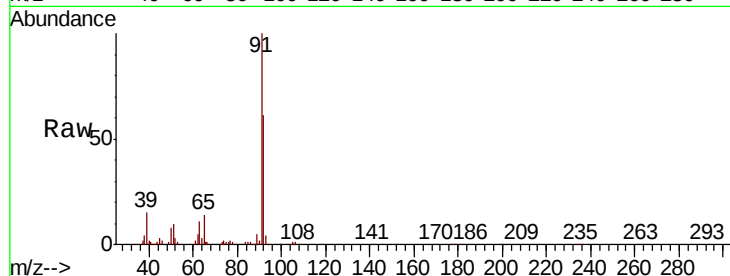
IA-5-4DL2

Tot Ion: 91 Resp: 288826

Ion Ratio Lower Upper

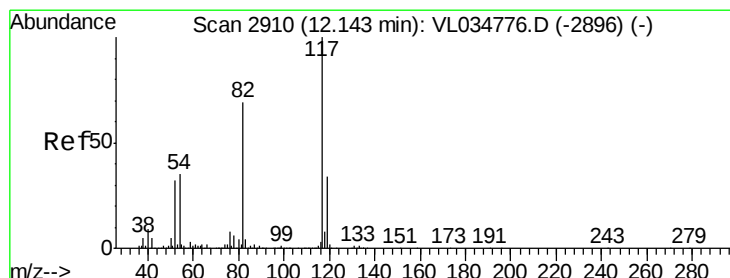
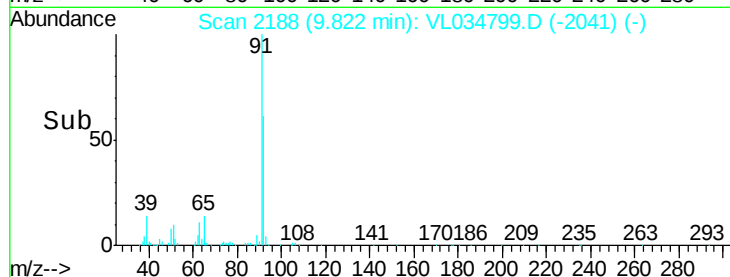
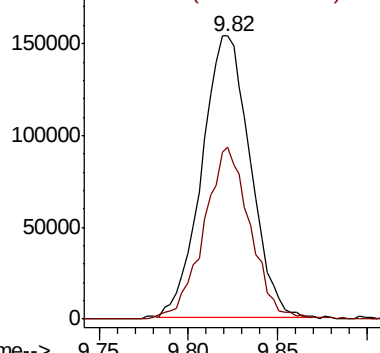
91 100

92 59.0 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.04 min

Lab File: VL034799.D

Acq: 5 Mar 2020 17:09

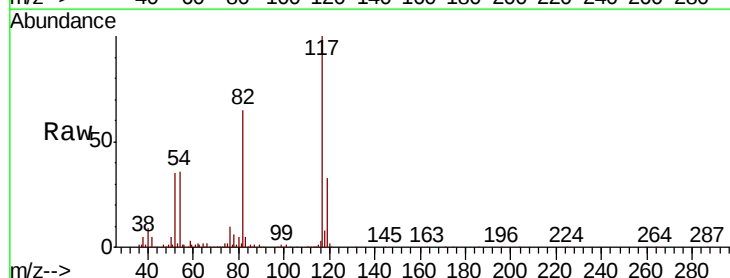
Tgt Ion: 117 Resp: 2099439

Ion Ratio Lower Upper

117 100

82 70.8 53.9 80.9

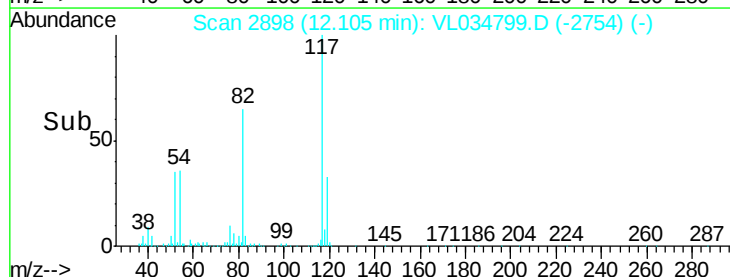
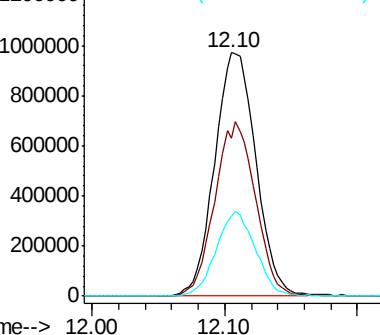
119 33.0 25.0 37.4

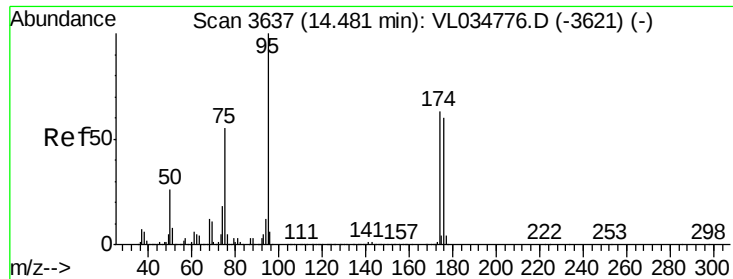


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.838 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.04 min

Lab File: VL034799.D

Acq: 5 Mar 2020 17:09

Instrument :

MSVOA_L

ClientSampleId :

IA-5-4DL2

Tot Ion: 95 Resp: 1722178

Ion Ratio Lower Upper

95 100

174 63.9 50.6 76.0

175 4.7 3.8 5.6

