

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121719\
 Data File : VL034494.D
 Acq On : 17 Dec 2019 15:16
 Operator : SY/AP
 Sample : VL1217ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABL01

Quant Time: Dec 18 04:34:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	881355	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1750674	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1752153	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1502302	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

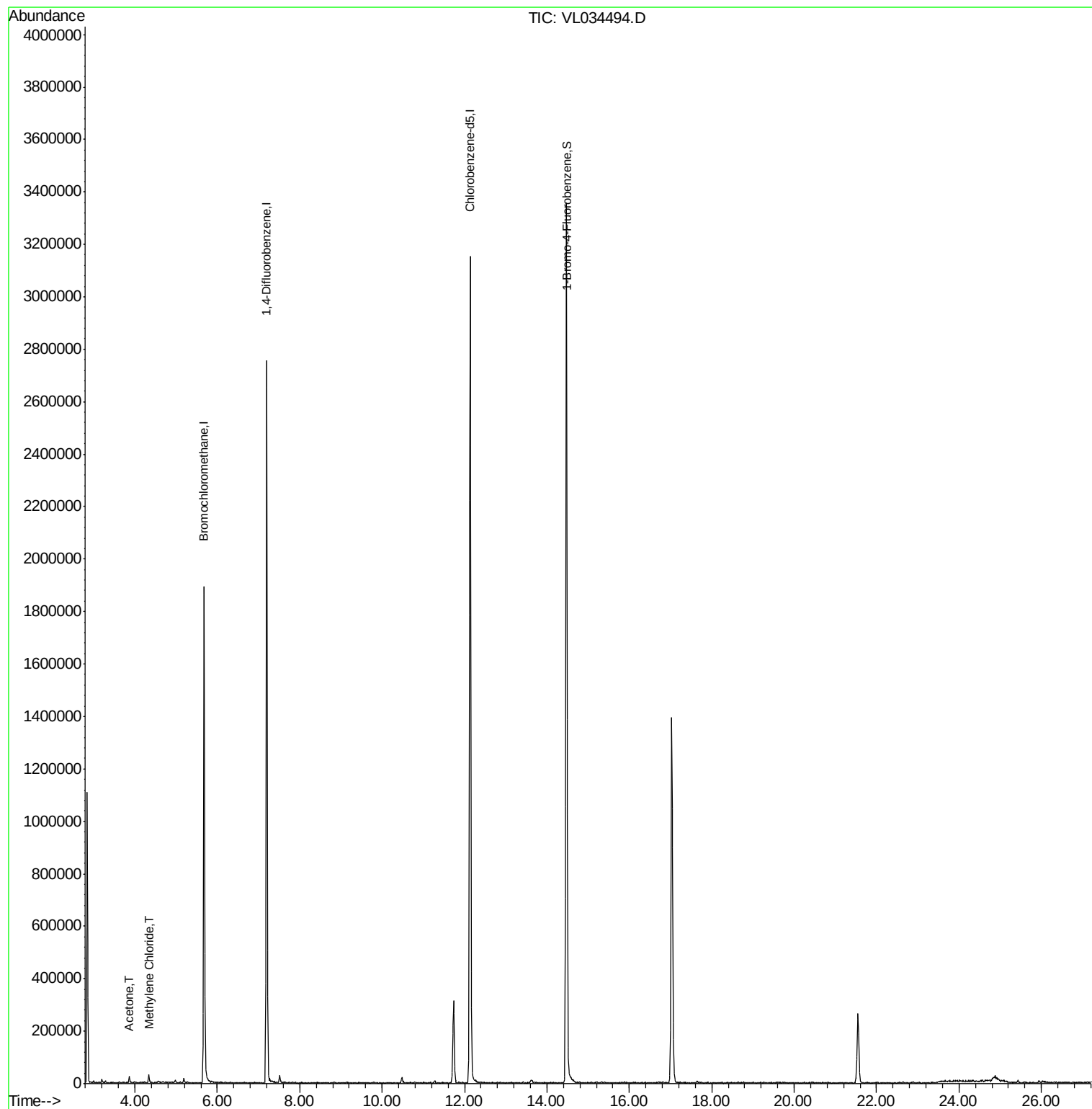
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.86	43	24420	0.193	ppbv #	79
20) Methylene Chloride	4.34	84	7327	0.164	ppbv #	83

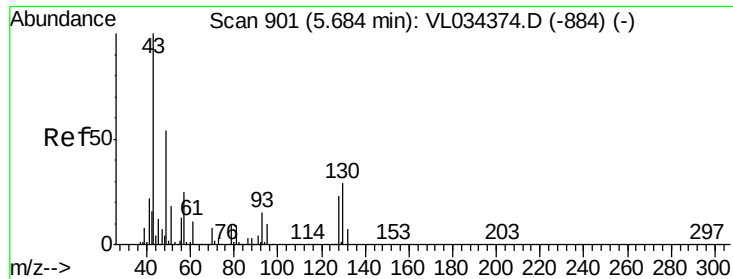
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 19 14:15:35 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034494.D

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Instrument :

MSVOA_L

ClientSampleId :

VL1217ABL01

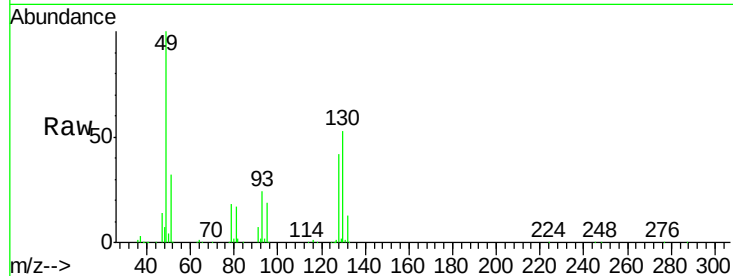
Tot Ion: 49 Resp: 881355

Ion Ratio Lower Upper

49 100

128 44.6 21.8 65.3

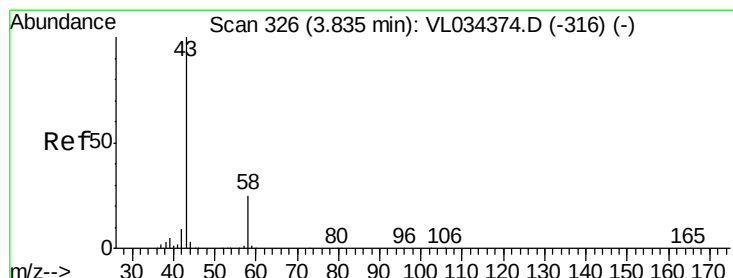
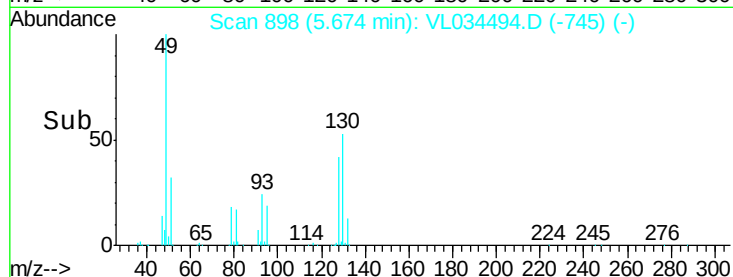
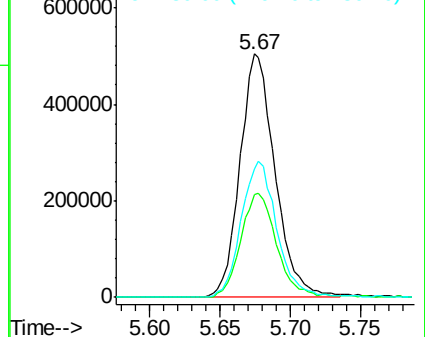
130 57.8 28.0 84.0



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



#15

Acetone

Concen: 0.193 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL034494.D

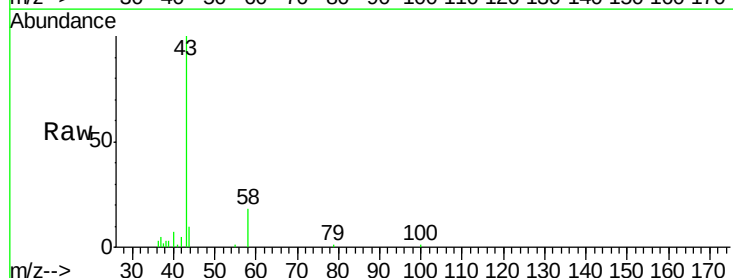
Acq: 17 Dec 2019 15:16

Tgt Ion: 43 Resp: 24420

Ion Ratio Lower Upper

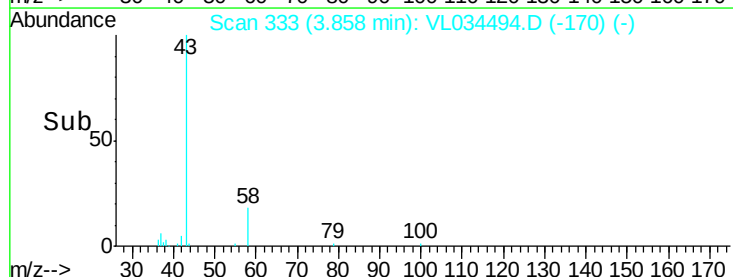
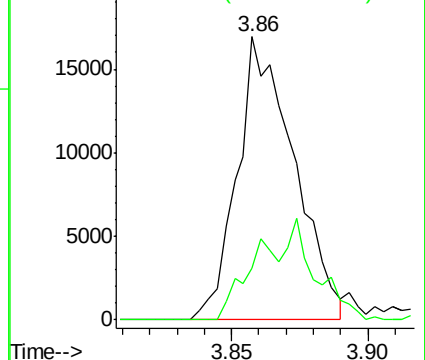
43 100

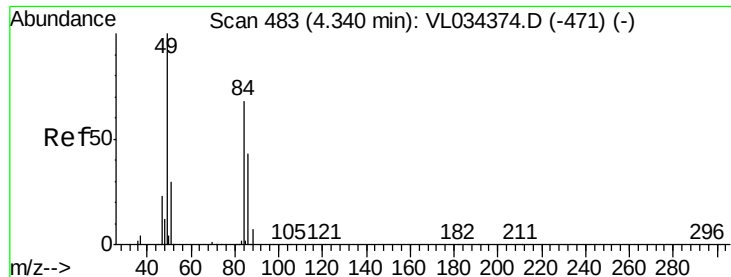
58 35.7 20.2 30.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

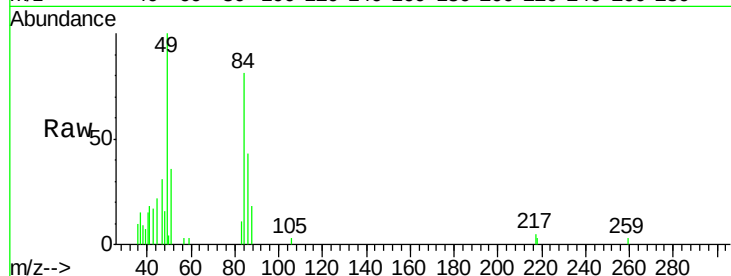




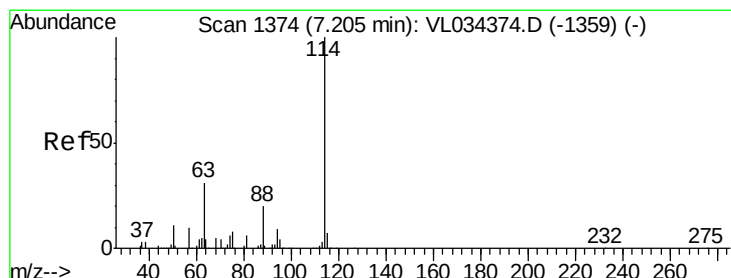
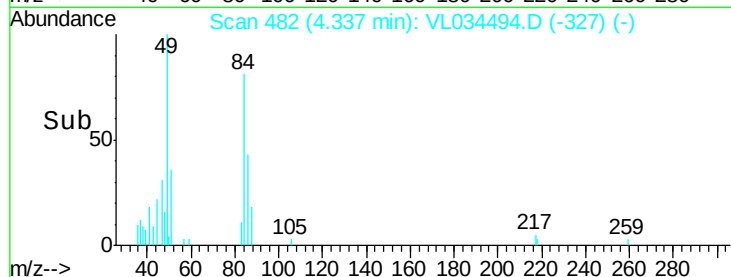
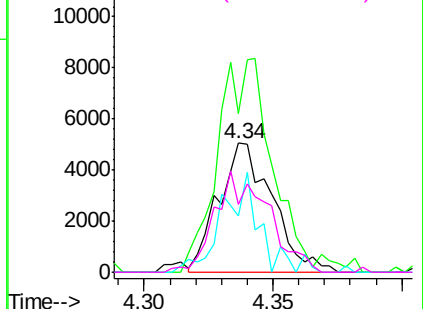
#20
Methylene Chloride
Concen: 0.164 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034494.D
Acq: 17 Dec 2019 15:16

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABL01

Tot Ion: 84 Resp: 7327
Ion Ratio Lower Upper
84 100
49 116.6 116.8 175.2#
51 44.0 35.6 53.4
86 53.0 50.7 76.1

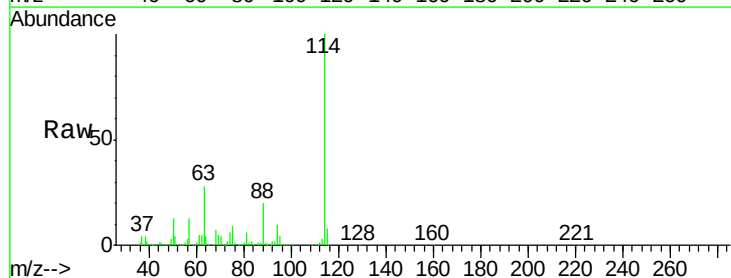


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

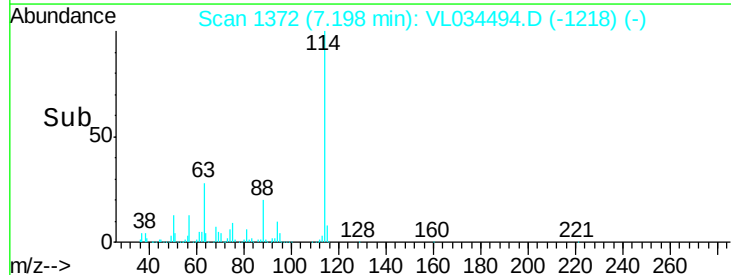
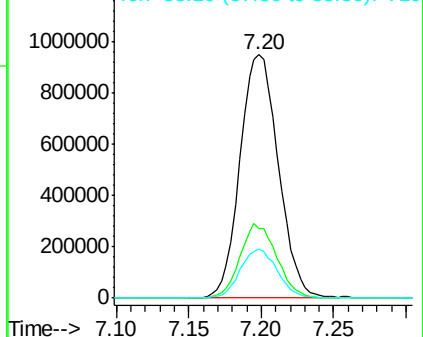


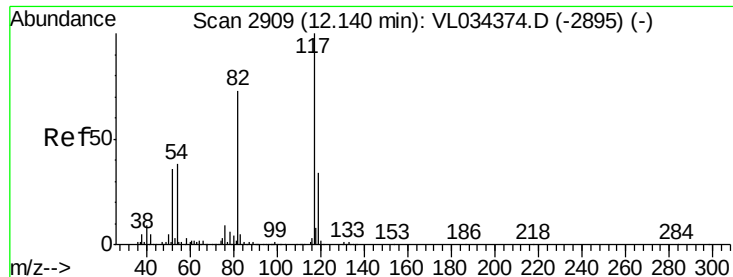
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.01 min
Lab File: VL034494.D
Acq: 17 Dec 2019 15:16

Tgt Ion: 114 Resp: 1750674
Ion Ratio Lower Upper
114 100
63 29.2 24.2 36.4
88 19.6 15.9 23.9



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

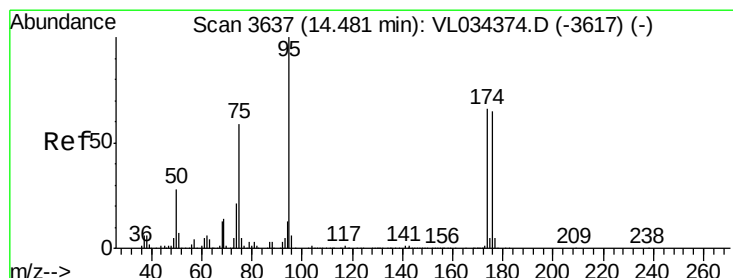
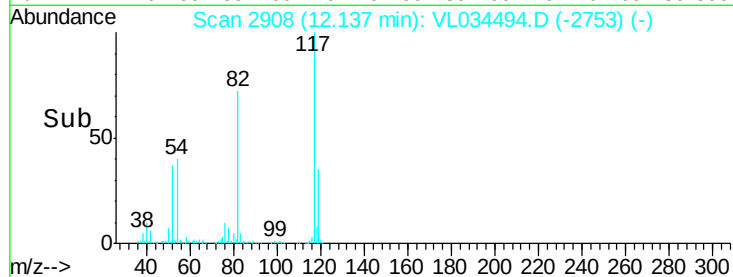
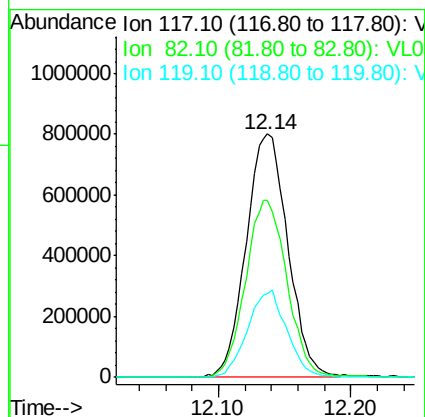
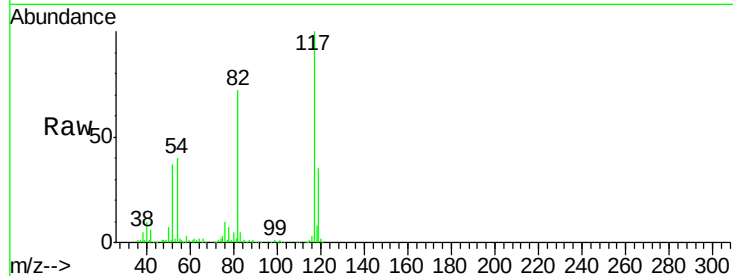




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.14 min Scan# 2908
 Delta R.T. -0.00 min
 Lab File: VL034494.D
 Acq: 17 Dec 2019 15:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABL01

Tot Ion:117 Resp: 1752153
 Ion Ratio Lower Upper
 117 100
 82 72.7 57.5 86.3
 119 33.9 25.4 38.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.192 ppbv
 RT: 14.47 min Scan# 3635
 Delta R.T. -0.01 min
 Lab File: VL034494.D
 Acq: 17 Dec 2019 15:16

Tgt Ion: 95 Resp: 1502302
 Ion Ratio Lower Upper
 95 100
 174 64.4 52.2 78.2
 175 4.7 3.8 5.8

