

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032314.D
 Acq On : 27 Jul 2018 3:56
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 05:32:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 05:29:53 2018
 QLast Update : Fri Jul 27 05:29:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	2118542	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4229547	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	5063453	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3978628	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

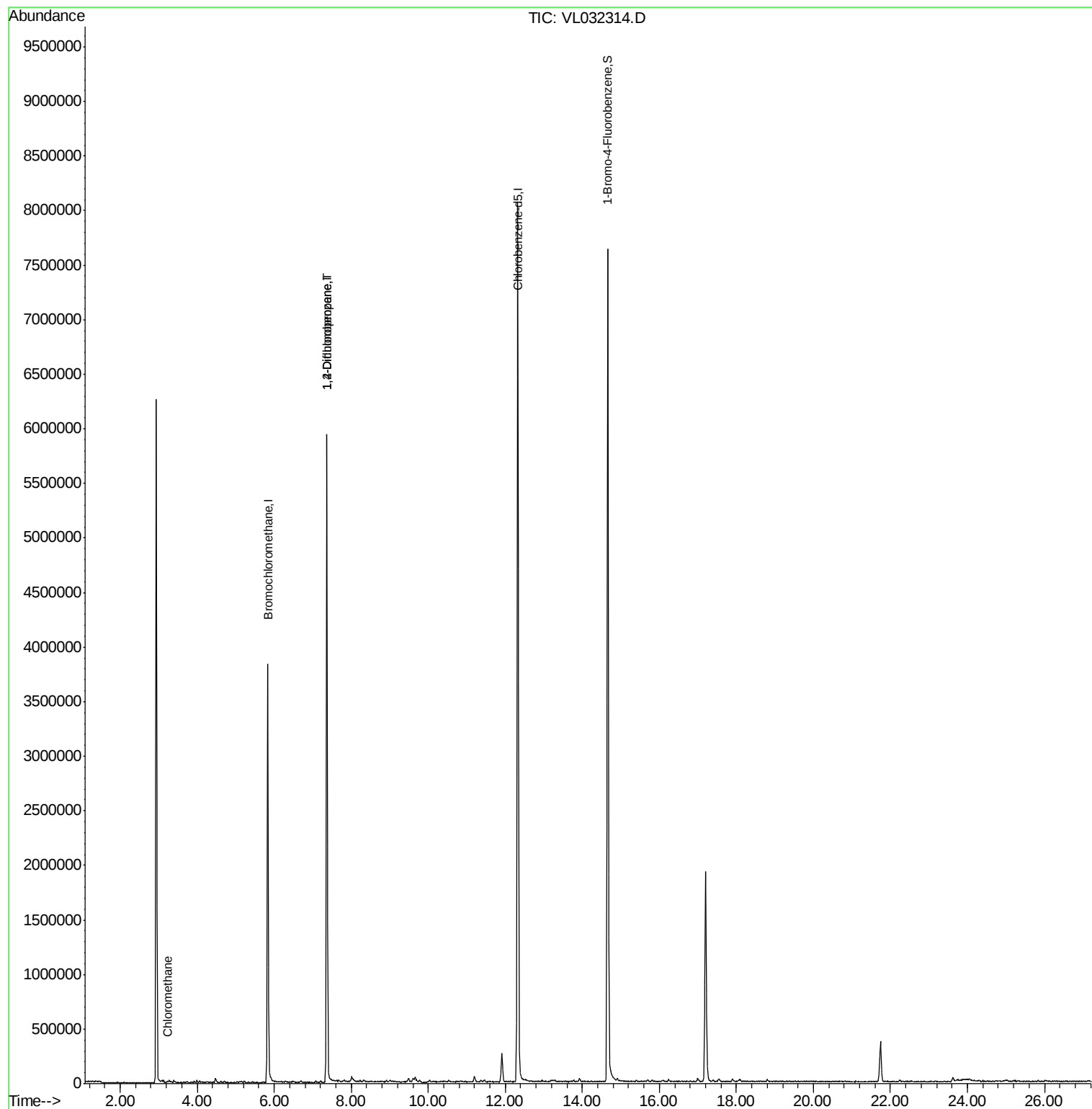
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.22	50	4992	0.036	ppbv	99
39) 1,2-Dichloropropane	7.37	63	1185211	6.872	ppbv #	27

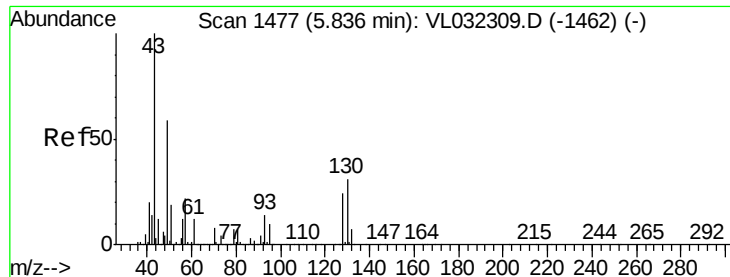
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 27 05:29:53 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.83 min Scan# 1475

Delta R.T. -0.01 min

Lab File: VL032314.D

Acq: 27 Jul 2018 3:56

Instrument :
MSVOA_L
ClientSampleId :

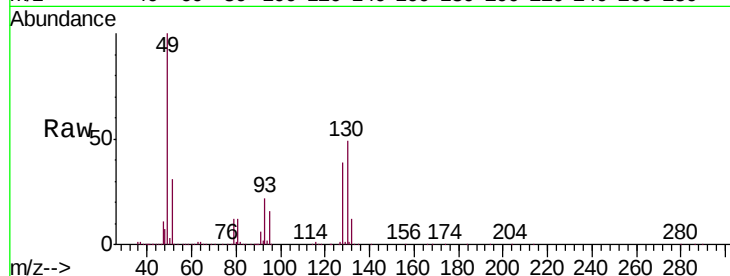
Tot Ion: 49 Resp: 2118542

Ion Ratio Lower Upper

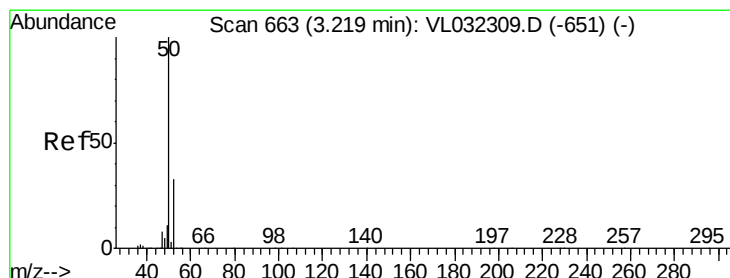
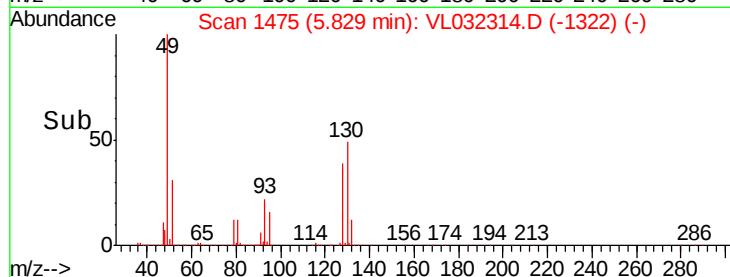
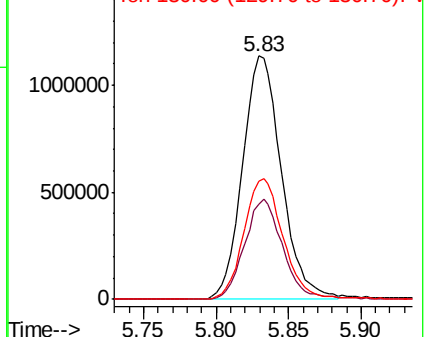
49 100

128 41.0 20.2 60.6

130 50.9 25.8 77.3



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



#4

Chloromethane

Concen: 0.036 ppbv

RT: 3.22 min Scan# 664

Delta R.T. 0.00 min

Lab File: VL032314.D

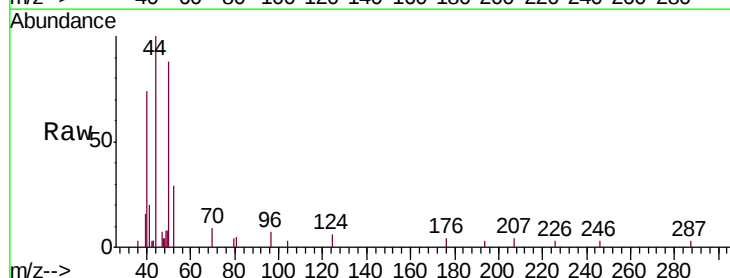
Acq: 27 Jul 2018 3:56

Tgt Ion: 50 Resp: 4992

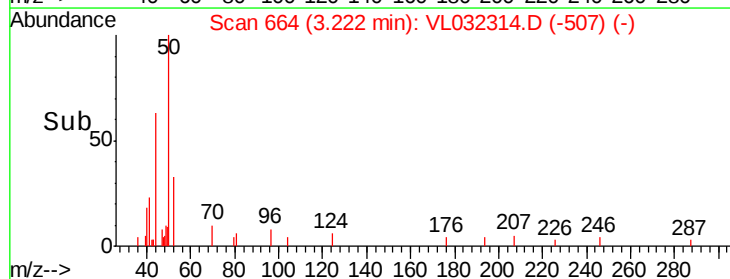
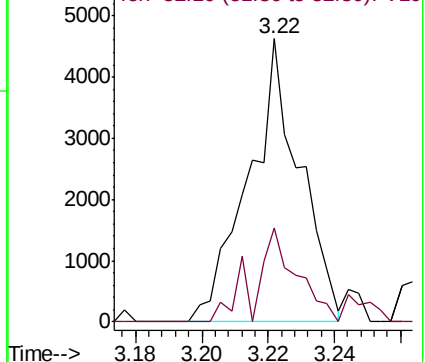
Ion Ratio Lower Upper

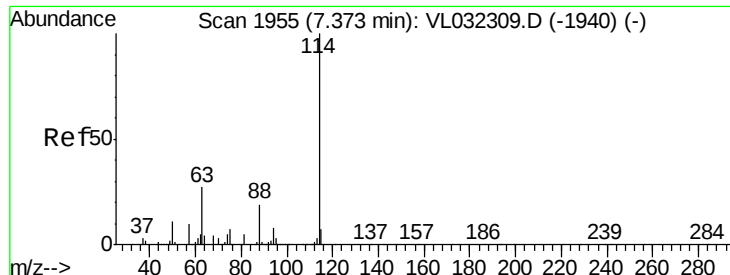
50 100

52 33.3 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0

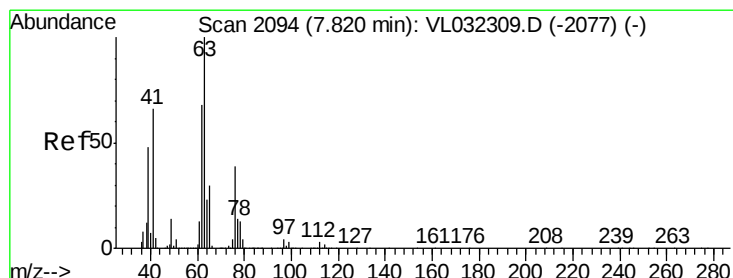
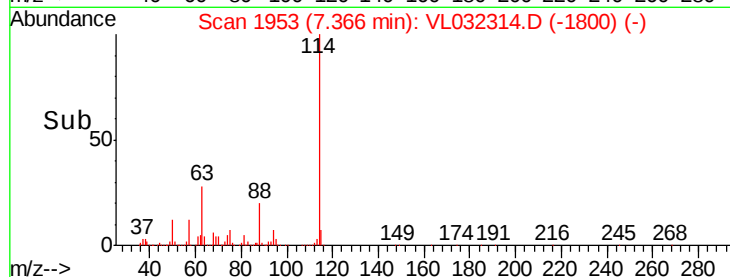
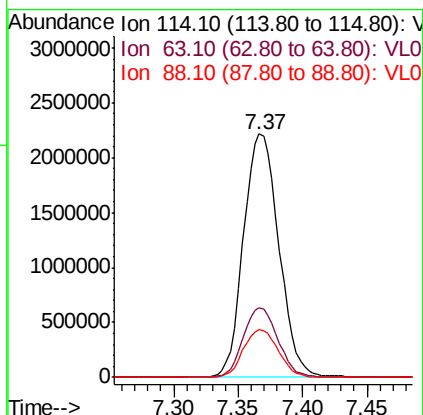
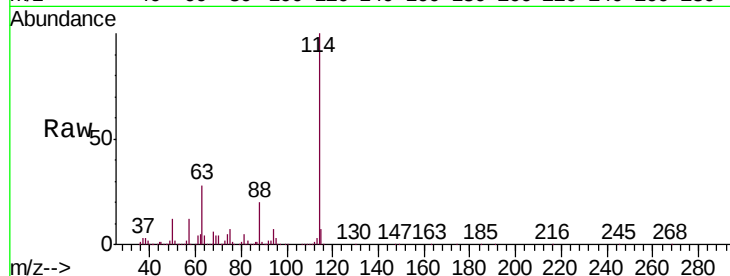




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.37 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VL032314.D
 Acq: 27 Jul 2018 3:56

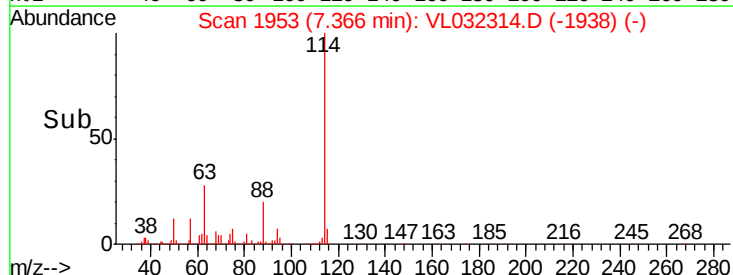
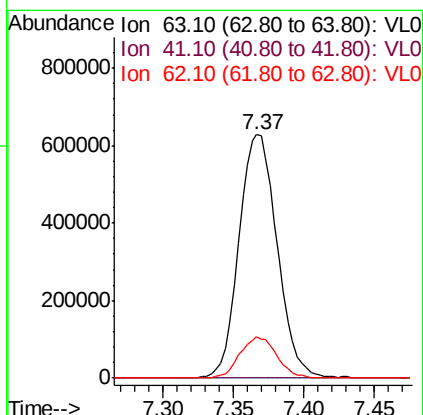
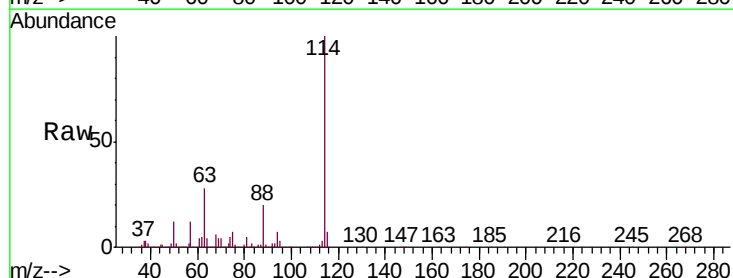
Instrument :
 MSVOA_L
 ClientSampled :

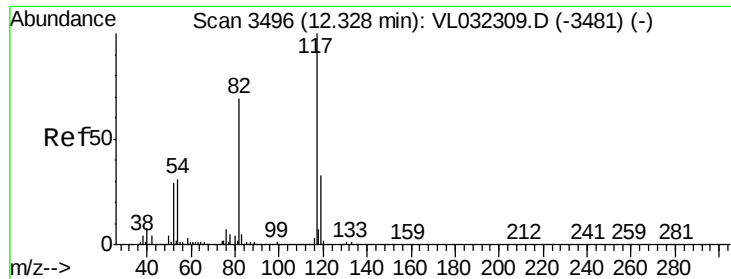
Tot Ion:114 Resp: 4229547
 Ion Ratio Lower Upper
 114 100
 63 28.2 22.4 33.6
 88 19.5 15.3 22.9



#39
 1,2-Dichloropropane
 Concen: 6.872 ppbv
 RT: 7.37 min Scan# 1953
 Delta R.T. -0.45 min
 Lab File: VL032314.D
 Acq: 27 Jul 2018 3:56

Tgt Ion: 63 Resp: 1185211
 Ion Ratio Lower Upper
 63 100
 41 0.1 52.5 78.7#
 62 17.1 54.6 81.8#

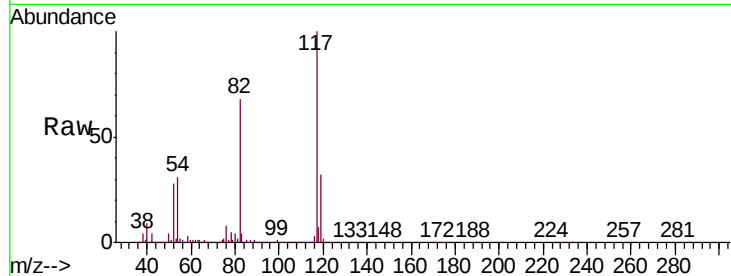




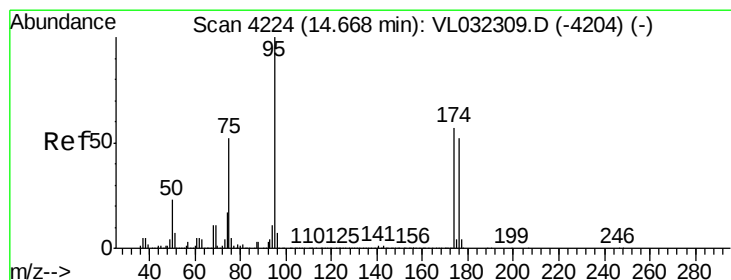
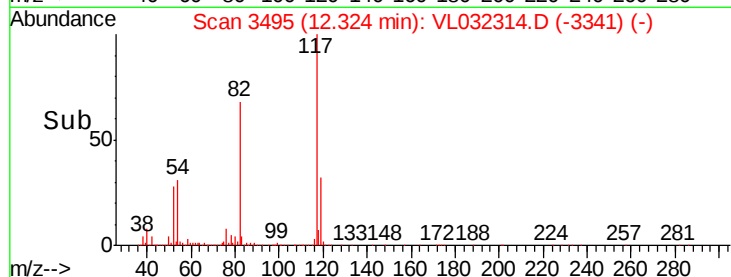
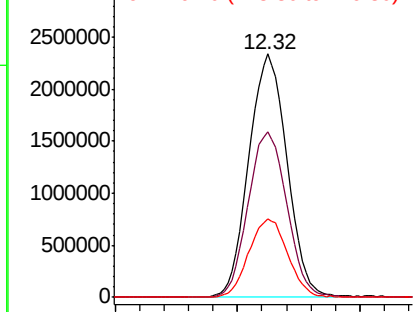
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.32 min Scan# 3495
Delta R.T. -0.00 min
Lab File: VL032314.D
Acq: 27 Jul 2018 3:56

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 5063453
Ion Ratio Lower Upper
117 100
82 69.5 52.6 78.8
119 32.9 25.7 38.5

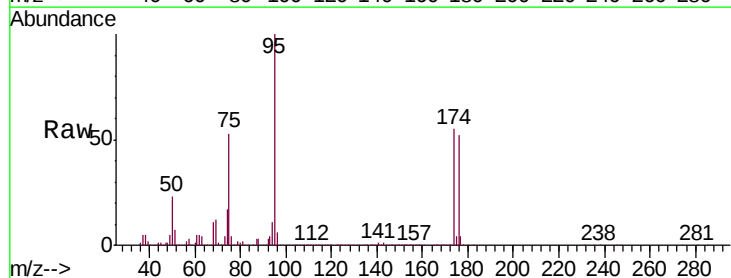


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.819 ppbv
RT: 14.66 min Scan# 4222
Delta R.T. -0.01 min
Lab File: VL032314.D
Acq: 27 Jul 2018 3:56

Tgt Ion: 95 Resp: 3978628
Ion Ratio Lower Upper
95 100
174 57.6 45.5 68.3
175 4.0 3.3 4.9



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

