

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033230.D
 Acq On : 15 Feb 2019 13:35
 Operator : SY/AP
 Sample : K1483-10DL2 200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 21 02:41:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019
 QLast Update : Wed Feb 20 06:00:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	675935	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1506441	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1574911	10.00	ppbv	0.00

System Monitoring Compounds

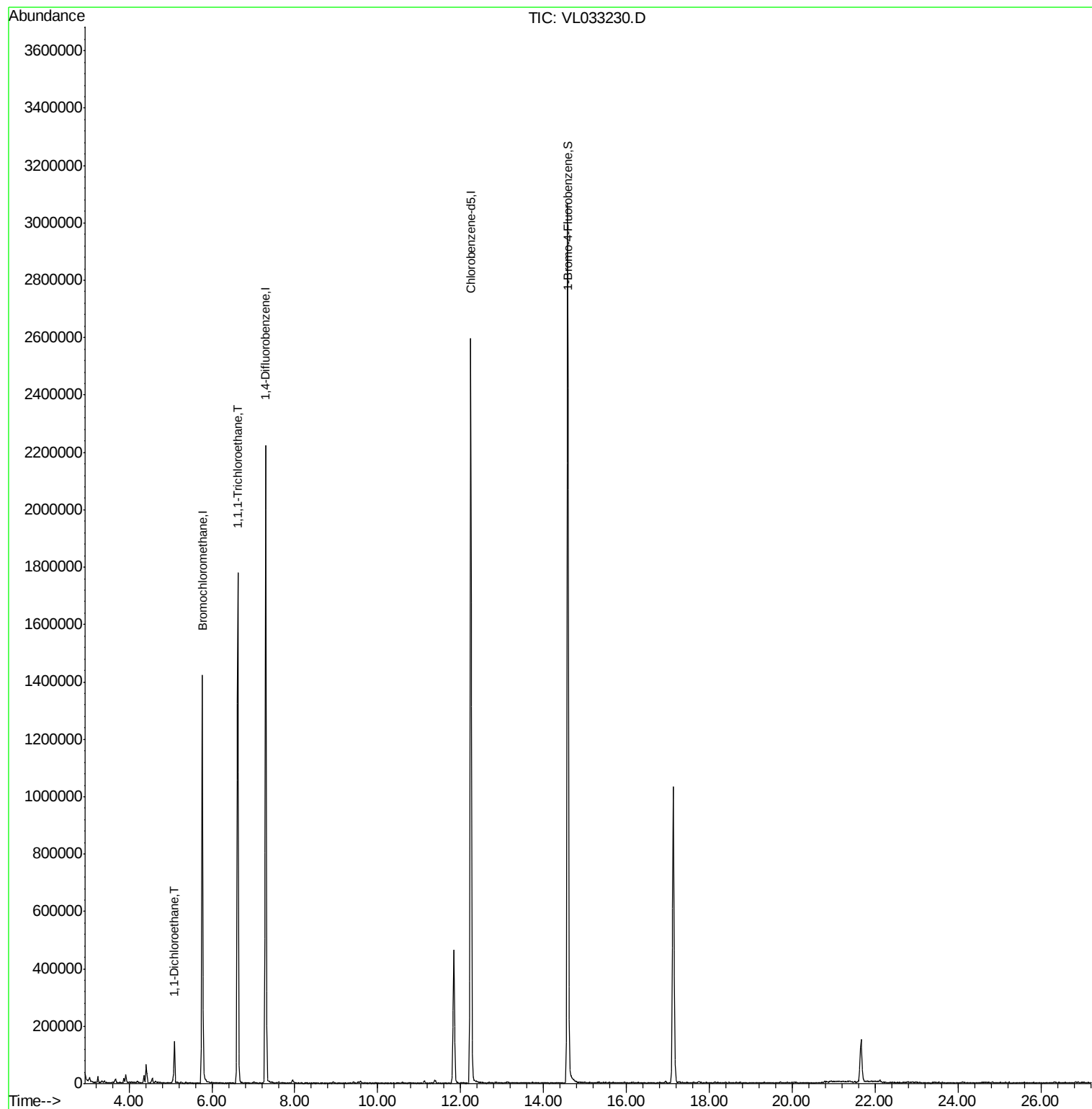
68) 1-Bromo-4-Fluorobenzene	14.58	95	1450540	11.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	118.20%

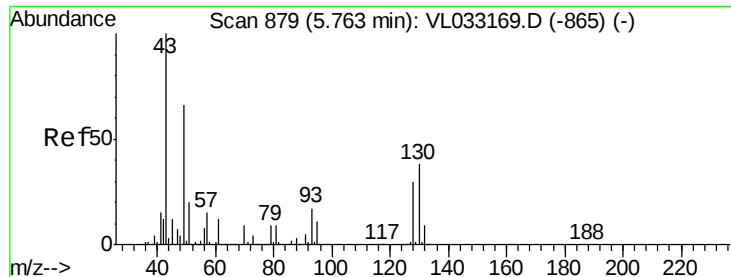
Target Compounds					Ovalue
24) 1,1-Dichloroethane	5.09	63	117517	1.259	ppbv 100
32) 1,1,1-Trichloroethane	6.62	97	1086051	8.007	ppbv 98

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033230.D

Acq: 15 Feb 2019 13:35

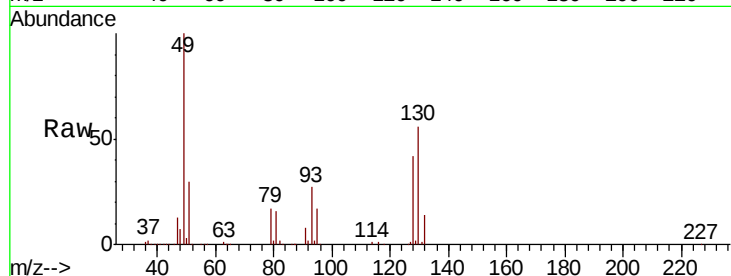
Tot Ion: 49 Resp: 675935

Ion Ratio Lower Upper

49 100

128 44.7 23.6 71.0

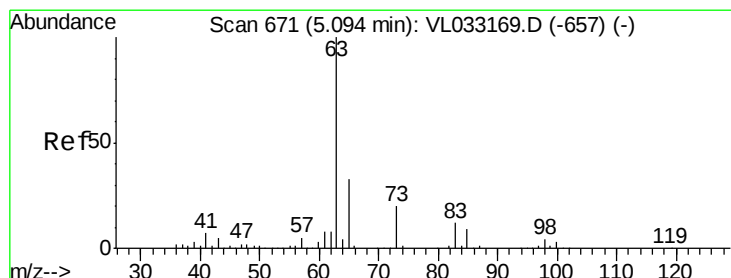
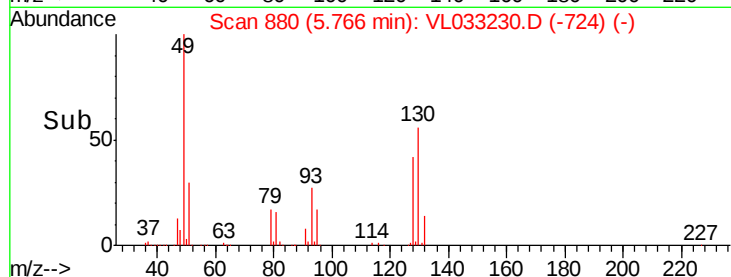
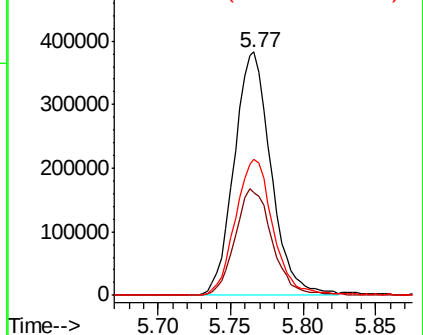
130 57.4 30.3 91.0



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



#24

1,1-Dichloroethane

Concen: 1.259 ppbv

RT: 5.09 min Scan# 671

Delta R.T. -0.00 min

Lab File: VL033230.D

Acq: 15 Feb 2019 13:35

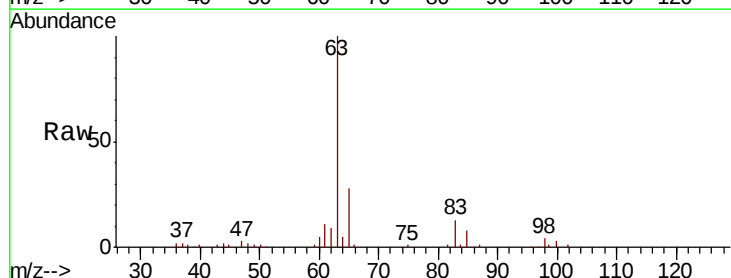
Tgt Ion: 63 Resp: 117517

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

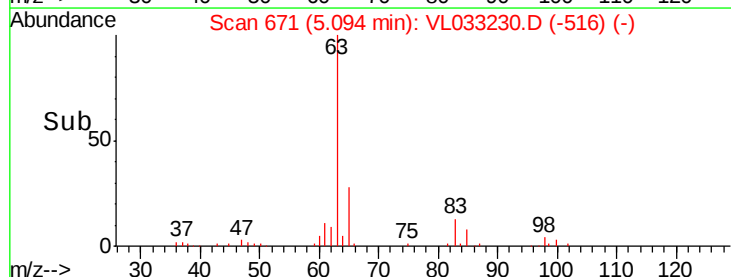
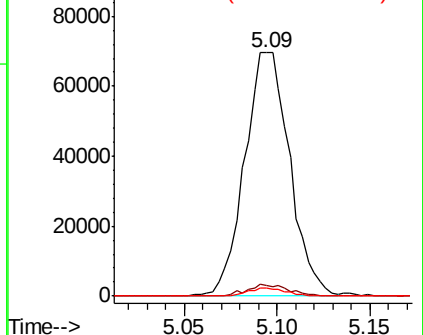
100 3.2 1.4 4.2

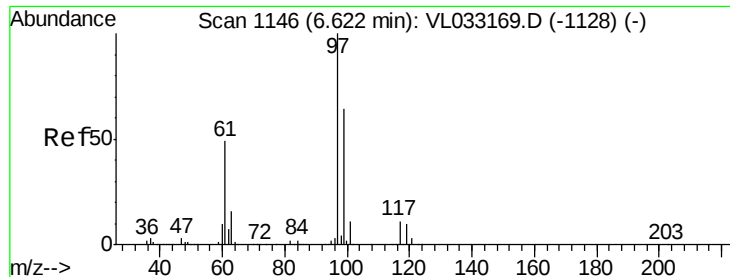


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#32

1,1,1-Trichloroethane

Concen: 8.007 ppbv

RT: 6.62 min Scan# 1146

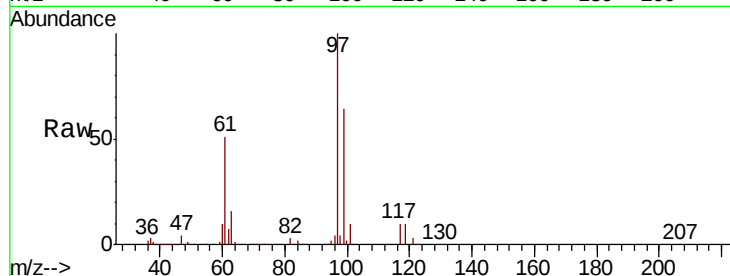
Delta R.T. -0.00 min

Lab File: VL033230.D

Acq: 15 Feb 2019 13:35

Tot Ion: 97 Resp: 1086051

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	51.7	38.8	58.2

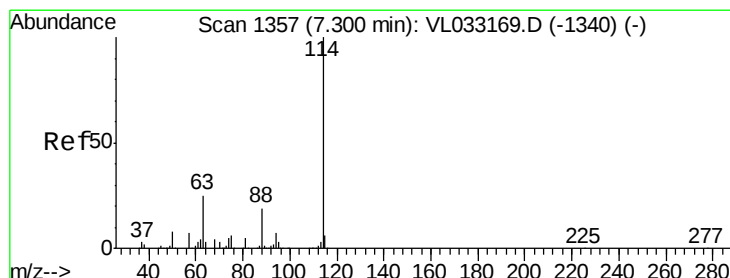
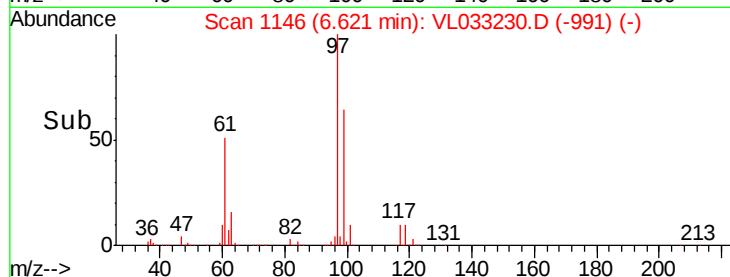
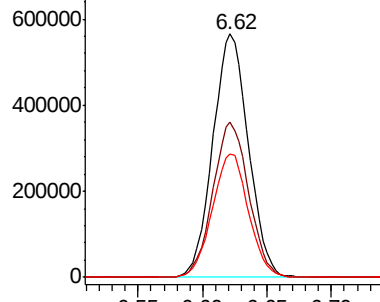


Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

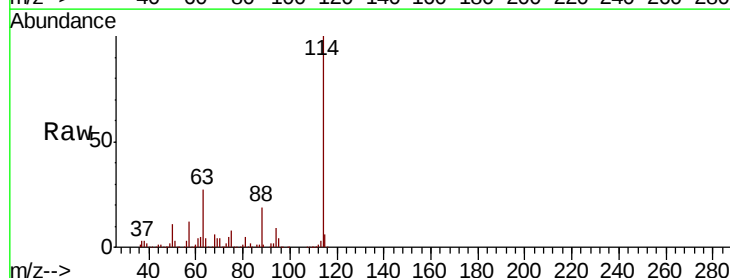
Delta R.T. -0.01 min

Lab File: VL033230.D

Acq: 15 Feb 2019 13:35

Tgt Ion: 114 Resp: 1506441

Ion	Ratio	Lower	Upper
114	100		
63	28.2	20.8	31.2
88	18.9	14.6	22.0

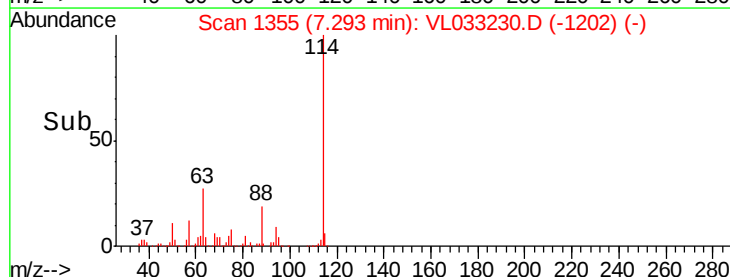
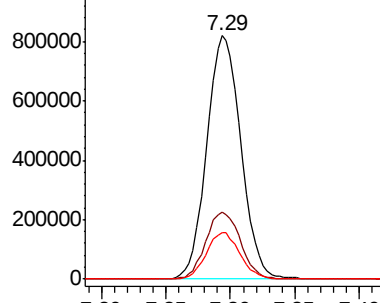


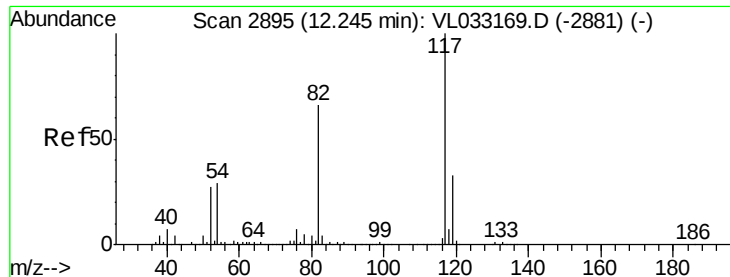
Abundance

Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

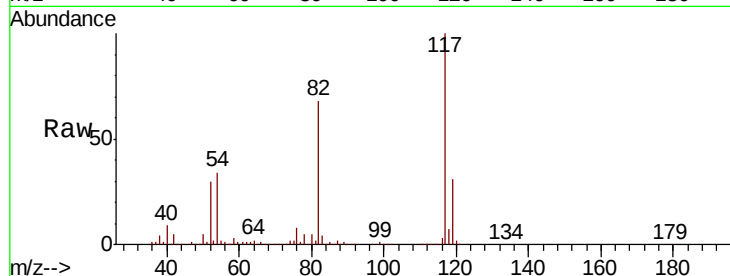
Ion 88.10 (87.80 to 88.80): VL0



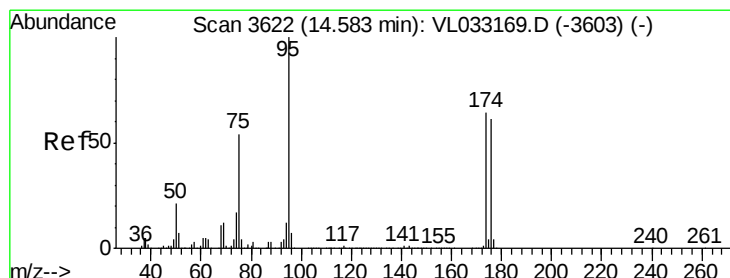
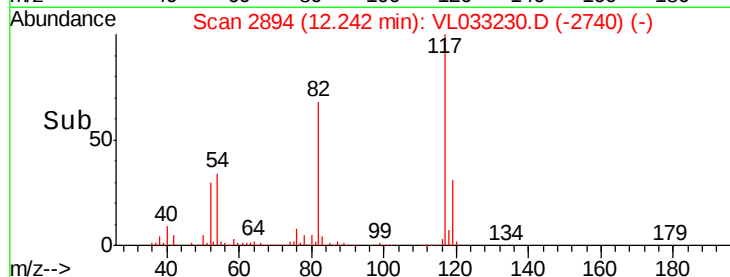
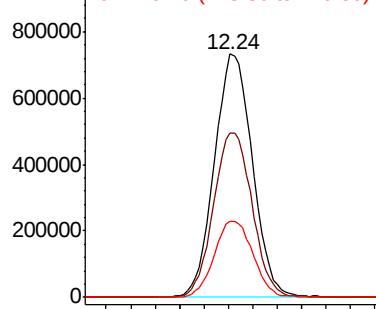


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033230.D
Acq: 15 Feb 2019 13:35

Tot Ion:117 Resp: 1574911
Ion Ratio Lower Upper
117 100
82 69.1 53.8 80.8
119 32.1 46.9 70.3#

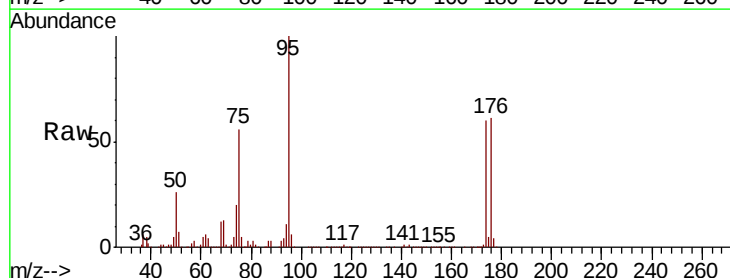


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 11.819 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033230.D
Acq: 15 Feb 2019 13:35

Tgt Ion: 95 Resp: 1450540
Ion Ratio Lower Upper
95 100
174 62.9 51.1 76.7
175 4.6 3.8 5.6



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

