

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034246.D
 Acq On : 8 Oct 2019 9:53
 Operator : SY/AP
 Sample : K5225-02DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL2

Quant Time: Oct 10 20:50:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed 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	5.69	49	889823	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1599620	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1611737	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1390310	9.93	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

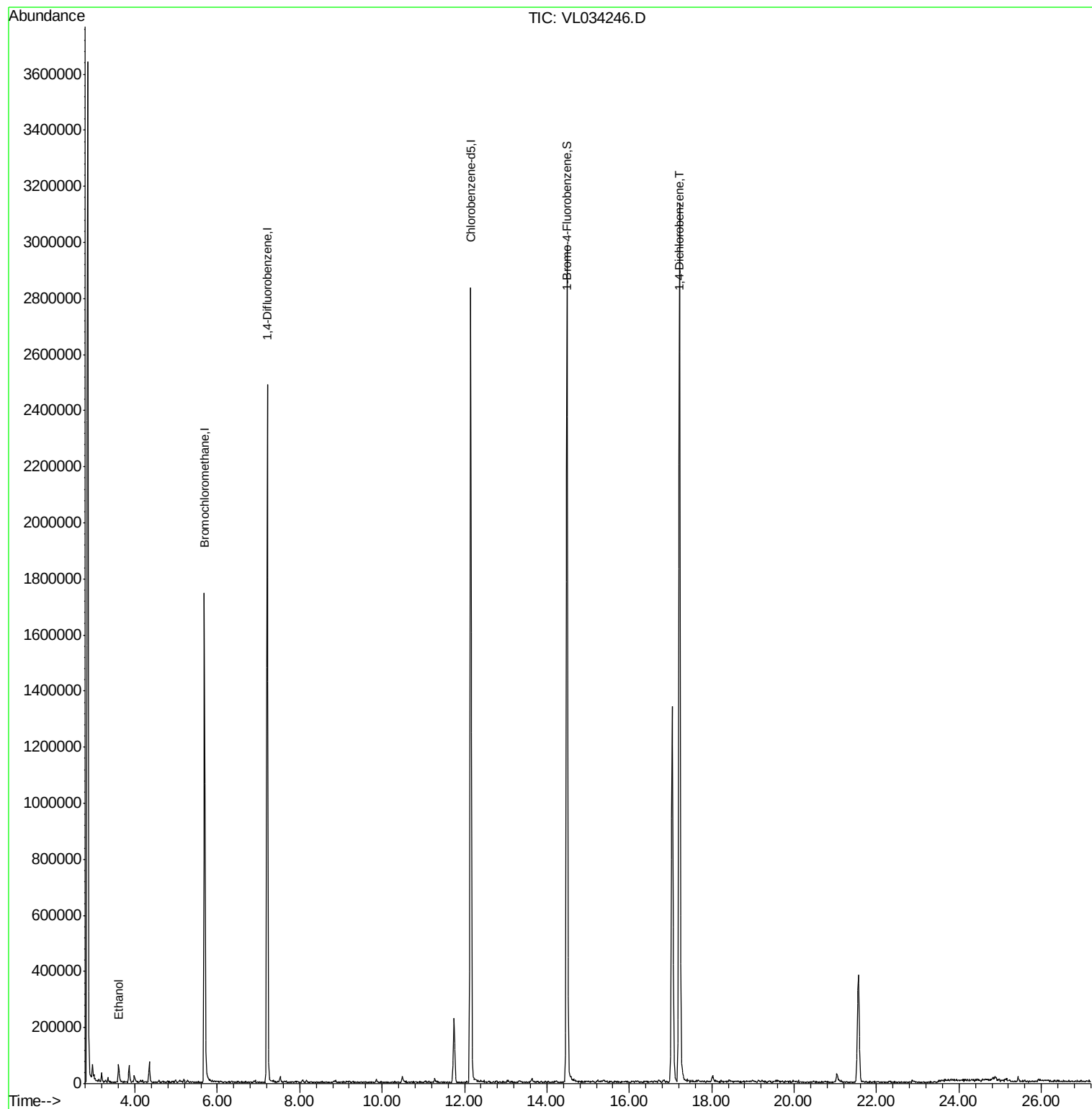
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.60	45	58767	4.715	ppbv	98
76) 1,4-Dichlorobenzene	17.22	146	1492993	10.885	ppbv	100

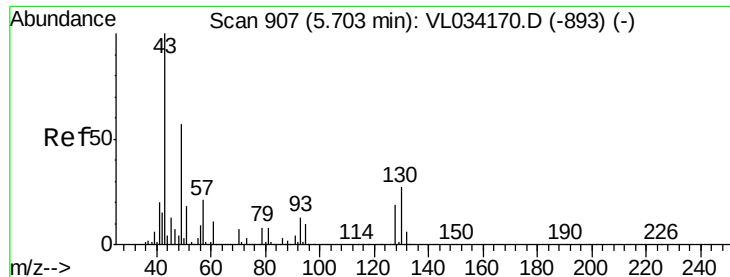
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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

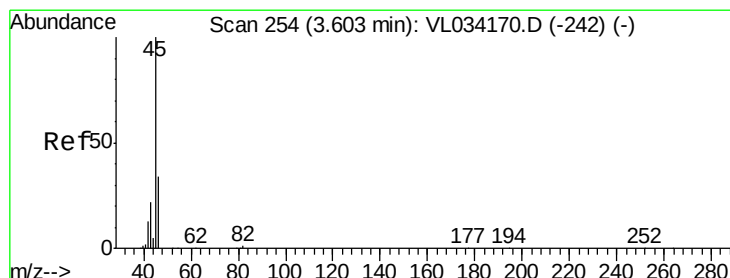
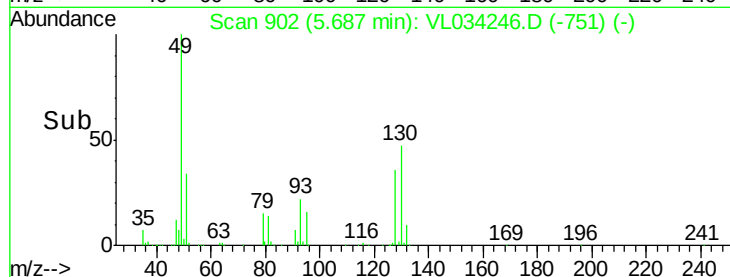
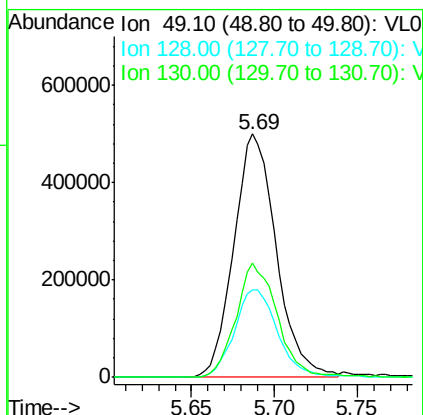
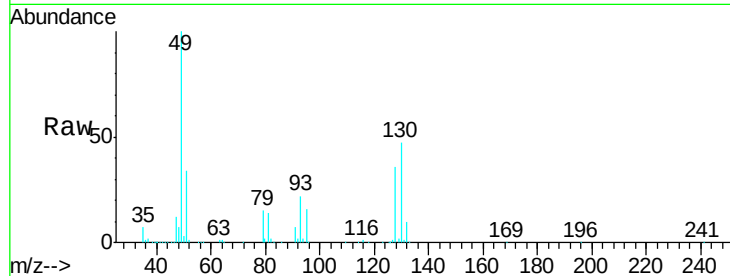




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69 min Scan# 902
 Delta R.T. -0.02 min
 Lab File: VL034246.D
 Acq: 8 Oct 2019 9:53

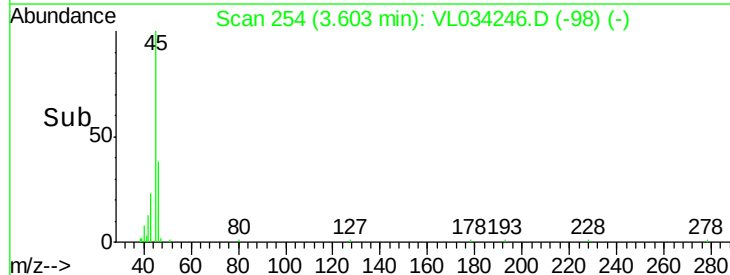
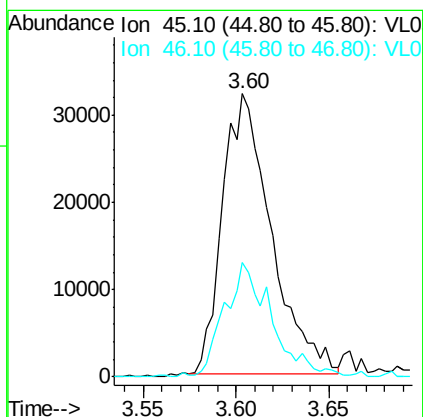
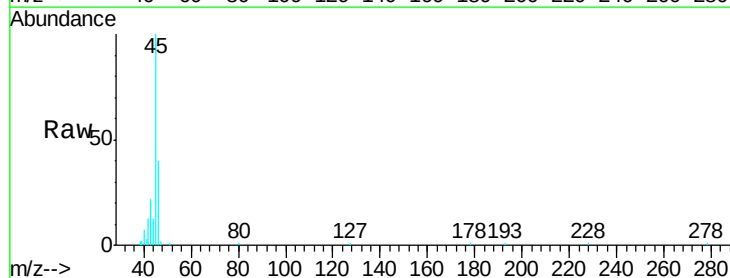
Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL2

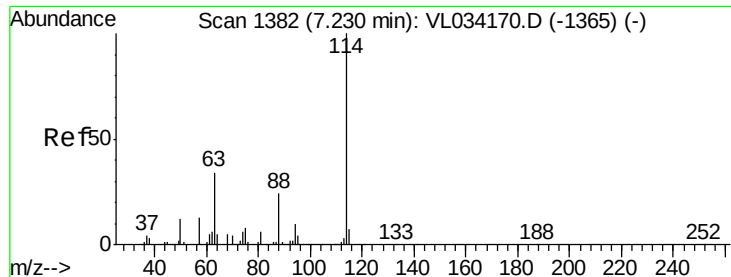
Tgt Ion: 49 Resp: 889823
 Ion Ratio Lower Upper
 49 100
 128 37.2 17.6 52.9
 130 46.4 22.3 66.9



#13
 Ethanol
 Concen: 4.715 ppbv
 RT: 3.60 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VL034246.D
 Acq: 8 Oct 2019 9:53

Tgt Ion: 45 Resp: 58767
 Ion Ratio Lower Upper
 45 100
 46 40.0 15.5 61.9

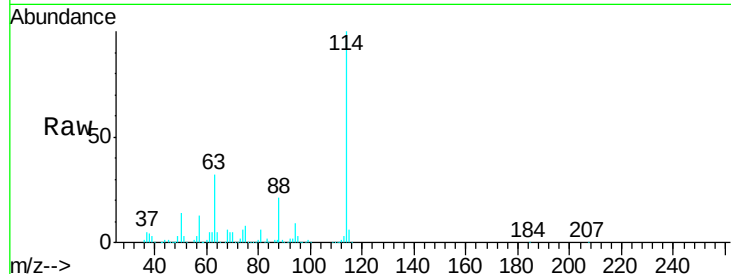




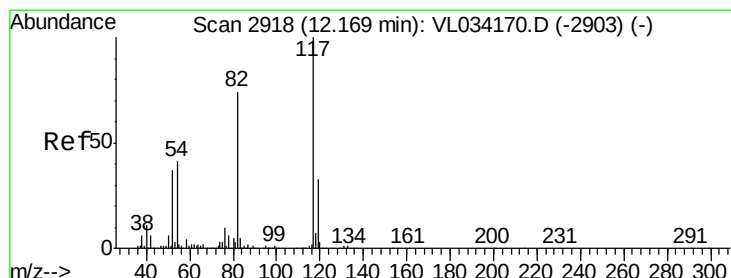
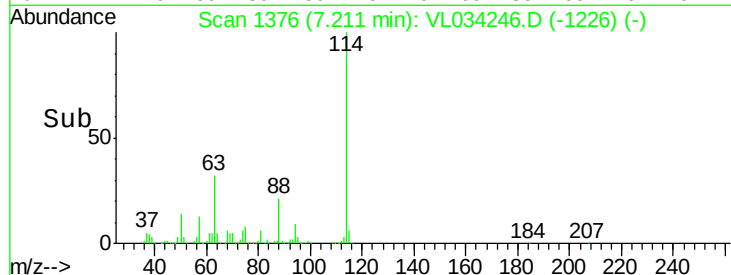
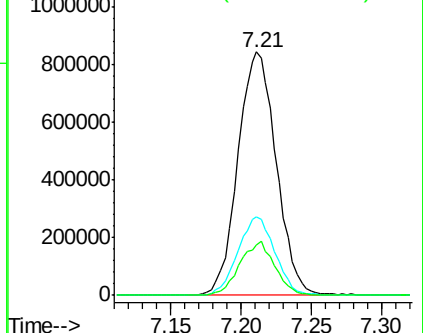
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VL034246.D
 Acq: 8 Oct 2019 9:53

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL2

Tgt Ion:114 Resp: 1599620
 Ion Ratio Lower Upper
 114 100
 63 31.5 27.8 41.6
 88 20.4 17.1 25.7

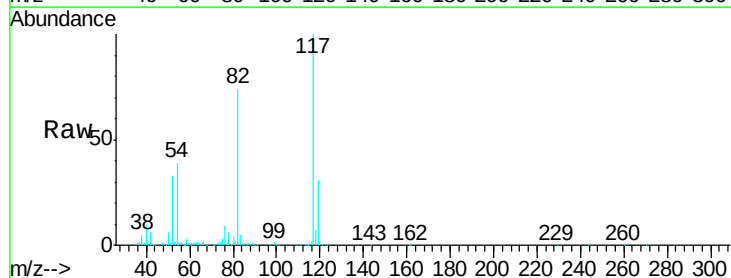


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

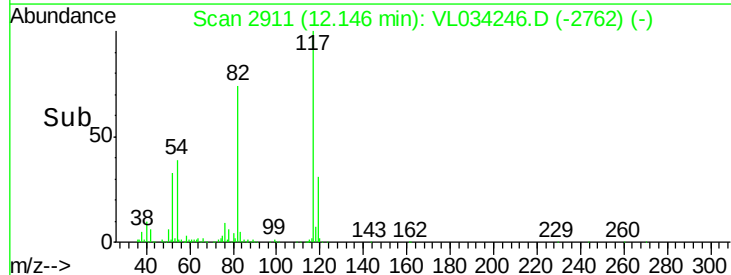
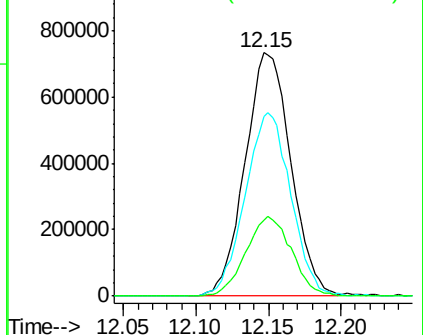


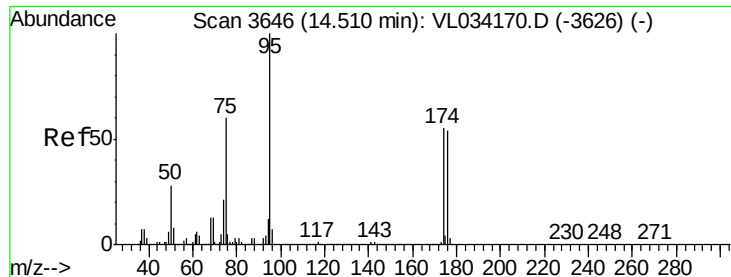
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.15 min Scan# 2911
 Delta R.T. -0.02 min
 Lab File: VL034246.D
 Acq: 8 Oct 2019 9:53

Tgt Ion:117 Resp: 1611737
 Ion Ratio Lower Upper
 117 100
 82 75.7 58.2 87.4
 119 32.7 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: 9.927 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. -0.03 min

Lab File: VL034246.D

Acq: 8 Oct 2019 9:53

Instrument :

MSVOA_L

ClientSampleId :

IA3DL2

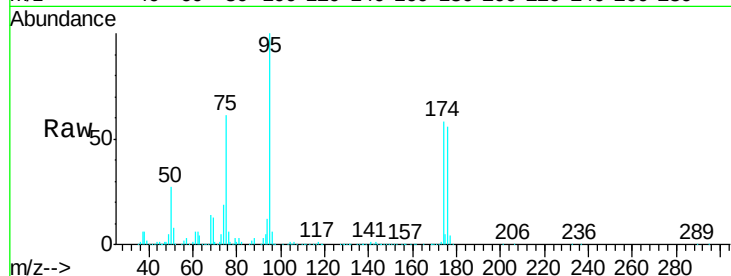
Tgt Ion: 95 Resp: 1390310

Ion Ratio Lower Upper

95 100

174 60.5 45.1 67.7

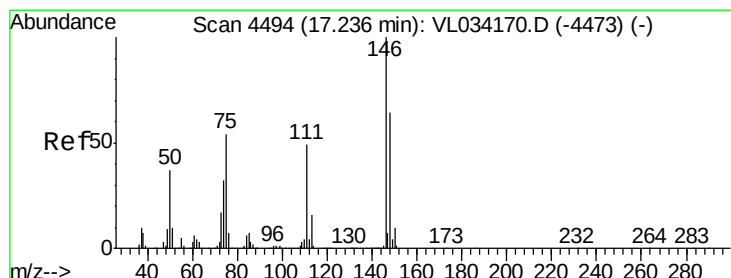
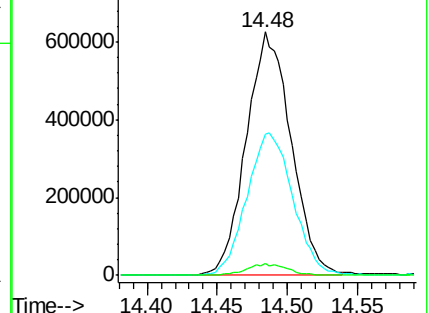
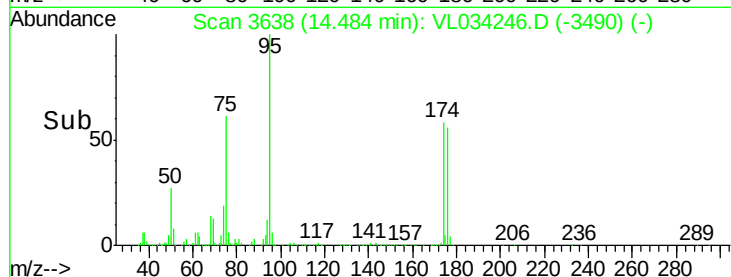
175 4.4 3.3 4.9



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



#76

1,4-Dichlorobenzene

Concen: 10.885 ppbv

RT: 17.22 min Scan# 4489

Delta R.T. -0.02 min

Lab File: VL034246.D

Acq: 8 Oct 2019 9:53

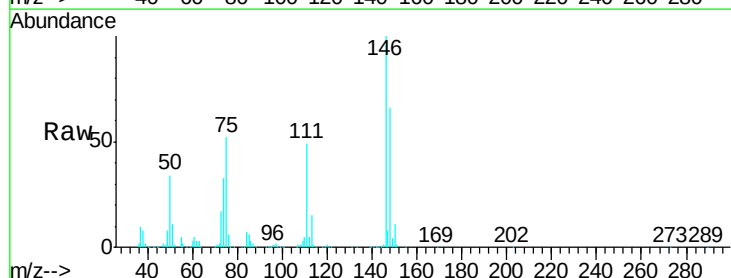
Tgt Ion: 146 Resp: 1492993

Ion Ratio Lower Upper

146 100

111 48.9 24.6 74.0

148 64.6 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

